

УТВЕРЖДАЮ

Проректор по научной деятельности
ФГАОУ ВО «КФУ им. В.И. Вернадского»


« 31 » августа 2016 г.
С.М. Федорин



Перечень научных публикаций ФГАОУ ВО «КФУ им. В.И. Вернадского» за 2012-2016 годы, индексируемых Scopus, для подачи заявок на назначение единовременных вознаграждений за цитируемость в 2016 году (по состоянию на 31.08.2016)

2016

1. Yagupov, S., Strugatsky, M., Seleznyova, K., Mogilenec, Y., Milyukova, E., Maksimova, E., Nauhatsky, I., Drovosekov, A., Kreines, N., Kliava, J.
Iron borate films: Synthesis and characterization
(2016) Journal of Magnetism and Magnetic Materials, 417, pp. 338-343.
2. Zakora, D.A.
On stabilization of solutions to incomplete second-order integrodifferential equations
(2016) Russian Mathematics, 60 (9), pp. 69-73.
3. Paczwa, M., Sapiga, A.A., Olszewski, M., Sergeev, N.A., Sapiga, A.V.
Proton Dipolar Spin–Lattice Relaxation in Nano-channels of Natrolite
(2016) Applied Magnetic Resonance, 47 (8), pp. 895-902.
4. Ivanov, M.O., Shostka, N.V.
Focusing of Gaussian beam passed under small angle to optical axis of uniaxial crystal
(2016) Journal of Optics (United Kingdom), 18 (7), art. no. 075603, .
5. Dzedolik, I.V., Lapayeva, S., Pereskokov, V.
Vortex lattice of surface plasmon polaritons
(2016) Journal of Optics (United Kingdom), 18 (7), art. no. 074007, .
6. Oberemok, V.V., Laikova, K.V., Zaitsev, A.S., Gushchin, V.A., Skorokhod, O.A.
The RING for gypsy moth control: Topical application of fragment of its nuclear polyhedrosis virus anti-apoptosis gene as insecticide
(2016) Pesticide Biochemistry and Physiology, 131, pp. 32-39.
7. Gobarenko, V.S., Murovskaya, A.V., Yegorova, T.P., Sheremet, E.E.
Collision processes at the northern margin of the Black Sea
(2016) Geotectonics, 50 (4), pp. 407-424.
8. Smekalova, T.N., Yatsishina, E.B., Garipov, A.S., Pasumanskii, A.E., Ketsko, R.S., Chudin, A.V.
Natural science methods in field archaeology, with the case study of Crimea
(2016) Crystallography Reports, 61 (4), pp. 533-542.
9. Prokopov, A.R., Vetoshko, P.M., Shumilov, A.G., Shaposhnikov, A.N., Kuz'michev, A.N., Koshlyakova, N.N., Berzhansky, V.N., Zvezdin, A.K., Belotelov, V.I.
Epitaxial Bi-Gd-Sc iron-garnet films for magnetophotonic applications
(2016) Journal of Alloys and Compounds, 671, pp. 403-407.
10. Kubyshkin, A.V., Aliev, L.L., Fomochkina, I.I., Kovalenko, Y.P., Litvinova, S.V., Filonenko, T.G., Lomakin, N.V., Kubyshkin, V.A., Karapetian, O.V.
Endometrial hyperplasia-related inflammation: its role in the development and progression of endometrial hyperplasia

- (2016) *Inflammation Research*, pp. 1-10. Article in Press.
11. Alexeyev, C.N., Lapin, B.P., Milione, G., Yavorsky, M.A.
Localized topological states in Bragg multihelical fibers with twist defects
(2016) *Physical Review A - Atomic, Molecular, and Optical Physics*, 93 (6), art. no. 063829, .
 12. Zuev, S.A., Kilessa, G.V., Asanov, E.E., Starostenko, V.V., Pokrova, S.V.
Dependence of the conductivity on the active-region thickness in GaAs thin-film Schottky diodes
(2016) *Semiconductors*, 50 (6), pp. 810-814.
 13. Nalivaychenko, E.V., Kirilchuk, S.P.
Improvement of the intellectual asset management in the information economy
(2016) *Journal of Applied Economic Sciences*, 11 (4), pp. 662-671.
 14. Oberemok, V.V., Laikova, K.V., Zaitsev, A.S., Gushchin, V.A., Skorokhod, O.A.
Data for increase of Lymantria dispar male survival after topical application of single-stranded RING domain fragment of IAP-3 gene of its nuclear polyhedrosis virus
(2016) *Data in Brief*, 7, pp. 514-517.
 15. Netreba, E.E., Shabanov, S.V., Velikozhon, A.A., Somov, N.V.
The novel dinuclear complex tetraaqua-hexakis(nitrato-O,O')bis(2,4,6,8-tetramethyl-2,4,6,8-tetraazabicyclo[3.3.0]octane-3,7-dione-O,O')dipraseodymium(III): Synthesis and crystal structure
(2016) *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, 42 (6), pp. 367-371.
 16. Khamidullin, A.F., Kotov, S.F., Vorob'ev, V.N.
Integrated effect of atmosphere pollution and cutting on seed production of dandelion (*Taraxacum officinale* Wigg.) urban populations
(2016) *International Journal of Pharmacy and Technology*, 8 (2), pp. 14634-14642.
 17. Mykhaylichenko, V.Y., Kubyshkin, A.V., Samarin, S.A., Fomochkina, I.I., Anisimova, L.V.
Experimental induction of reparative morphogenesis and adaptive reserves in the ischemic myocardium using multipotent mesenchymal bone marrow-derived stem cells
(2016) *Pathophysiology*, 23 (2), pp. 95-104.
 18. Chernov, A.I., Kozhaev, M.A., Vetoshko, P.M., Dodonov, D.V., Prokopov, A.R., Shumilov, A.G., Shaposhnikov, A.N., Berzhanskii, V.N., Zvezdin, A.K., Belotelov, V.I.
Local probing of magnetic films by optical excitation of magnetostatic waves
(2016) *Physics of the Solid State*, 58 (6), pp. 1128-1134.
 19. Dzedolik, I.V., Pereskokov, V.
Formation of vortices by interference of surface plasmon polaritons
(2016) *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, 33 (5), pp. 1004-1009.
 20. Netreba, E.E.
Crystal structure of a new complex bis(4,4,10,10-tetramethyl-1,3,7,9-tetraazospiro[5.5]undecane-2,8-dione-O)-diaquat-ris(nitrato-O,O')-lanthanum
(2016) *Journal of Structural Chemistry*, 57 (3), pp. 542-548.
 21. Alexeyev, C.N., Milodan, A.V., Alexeyeva, M.C., Yavorsky, M.A.
Inversion of the topological charge of optical vortices in a coil fiber resonator
(2016) *Optics Letters*, 41 (7), pp. 1526-1529.
 22. Milyukov, V.K., Vinogradov, M.P., Lagutkina, A.V., Mironov, A.P., Myasnikov, A.V., Perelygin, N.A., Pustovitenko, B.G., Boborykina, O.V., Volfman, Y.M., Nasonkin, V.A.
Observation of the Free Oscillations of the Earth by Laser Interferometer-Strain Meters
(2016) *Measurement Techniques*, pp. 1-8. Article in Press.
 23. Alexeyev, C.N., Lapin, B.P., Yavorsky, M.A.
Resonance optical activity in multihelical optical fibers
(2016) *Optics Letters*, 41 (5), pp. 962-965.
 24. Antypenko, L.M., Kovalenko, S.I., Karpenko, O.V., Katsev, A.M., Novikov, V.P., Fedyunina, N.S.

- 1-R-2-([1,2,4]triazolo[1,5-c]quinazoline-2-ylthio)etanon(ol)s: Synthesis, bioluminescence inhibition, molecular docking studies, antibacterial and antifungal activities
(2016) Current Computer-Aided Drug Design, 12 (1), pp. 29-41.
25. Seleznyova, K., Strugatsky, M., Kliava, J.
Modelling the magnetic dipole
(2016) European Journal of Physics, 37 (2), art. no. 025203, . Cited 1 time.
26. Shaposhnikov, A.N., Prokopov, A.R., Berzhansky, V.N., Mikhailova, T.V., Karavainikov, A.V., Kharchenko, M.F., Belotelov, V.I., Lukienko, I.M., Miloslavskaya, O.V., Kharchenko, Y.M.
Magneto-optics of single and microresonator iron-garnet films at low temperatures
(2016) Optical Materials, 52, pp. 21-25.
27. Zadnipyany, I.V., Tretyakova, O.S., Sataieva, T.P., Yermola, Y.A.
Morphological features of cardiomyocyte apoptosis in rats induced by perinatal nitrite hypoxia
(2016) New Armenian Medical Journal, 10 (2), pp. 14-19.
28. Maydanevich, P.N.
Assessing an enterprise's investment potential
(2016) Studies on Russian Economic Development, 27 (1), pp. 89-93.
29. Dzedolik, I.V.
Phonon-polaritons in nonlinear dielectric medium
(2016) Springer Series in Optical Sciences, 199, pp. 3-23.
30. Ezhov, V.V., Grigor'ev, P.E., Mizin, V.I., Andriyashek, Y.I., Gol'dberg, D.L., Olenchuk, A.V.
The development of the medical information system for the improvement of the quality of work of the Crimean spa and health resorts
(2016) Voprosy kurortologii, fizioterapii, i lechebnoy fizicheskoy kultury, 93 (1), pp. 48-51.
31. Efetov, K.A., Tarmann, G.M.
Pseudophacusa multidentata Efetov & Tarmann, a new genus and species of Procradini from Myanmar, China and Laos (Lepidoptera: Zygaenidae, procridinae)
(2016) SHILAP Revista de lepidopterologia, 44 (173), pp. 81-89.
32. Seleznyova, K., Strugatsky, M., Kliava, J.
Erratum: Modelling the magnetic dipole (2016 Eur. J. Phys. 37 025203)
(2016) European Journal of Physics, 37 (3), art. no. 039601.
33. Efetov, K.A., Tarmann, G.M.
A new Illiberis species: I. (Alterasvenia) kislovskiy (Lepidoptera: Zygaenidae, Procridinae) from Myanmar
(2016) Entomologist's Gazette, 67 (2), pp. 137-142.
34. Danilina, E.I., Chebotarev, V.E., Reznikova, O.S., Gorelov, D.V.
Increase of effectiveness of economy management in municipalities (Through the example of energy conservation)
(2016) International Review of Management and Marketing, 6 (5), pp. 197-205.
35. Ershova, Y., Karpenko, I.I., Kiselev, A.V.
Isospectrality for graph laplacians under the change of coupling at graph vertices: Necessary and sufficient conditions
(2016) Matematika, 62 (1), pp. 210-242.
36. Yanovskaya, T.B., Gobarenko, V.S., Yegorova, T.P.
Subcrustal structure of the black sea basin from seismological data
(2016) Izvestiya, Physics of the Solid Earth, 52 (1), pp. 14-28. Cited 1 time.
37. Avidzba, A.M., Kubyshkin, A.V., Guguchkina, T.I., Markosov, V.A., Katsev, A.M., Naumova, N.V., Shramko, Yu.L., Zaytsev, G.P., Chernousova, I.V., Ogay, Yu.A., Fomochkina, I.I.
The antioxidant activity of the products of processing of red grape of Cabernet Sauvignon, Merlot, Saperavi

(2016) *Voprosy Pitaniia*, 85 (1), pp. 99-109.

38. Subchev, M.A., Efetov, K.A., Toshova, T.B., Koshio, C.

Sex pheromones as isolating mechanisms in two closely related *Illiberis* species - 1. (*Primilliberis*) *rotundata* Jordan, 1907, and *I. (P.) pruni* Dyar, 1905 (Lepidoptera: Zygaenidae, Procridinae)

(2016) *Entomologist's Gazette*, 67 (1), pp. 51-57.

39. Rybalko, E.A., Baranova, N.V., Loupian, E.A., Tolpin, V.A., Kashnitskiy, A.V., Uvarov, I.A., Krashenninnikova, Yu.S., Ivanchenko, V.I.

Management of ground and remote sensing data for remote monitoring of vineyards

(2016) *Sovremennye Problemy Distsionnogo Zondirovaniya Zemli iz Kosmosa*, 13 (1), pp. 79-92.

40. Gvarliani, T.E., Khurda, E.Y., Khodyakova, O.V., Myagkova, Y.Y., Alikaeva, M.V.

Building of the system of risk-significant financial figures

(2016) *International Journal of Economics and Financial Issues*, 6 (1S), pp. 19-24.

41. Novosyolova, N.N., Novoselov, S.N., Tereshchenko, E.Y., Khasheva, Z.M., Lukyanova, A.Y.

Terms and need strategic cooperation mechanisms of social and economic systems of the region

(2016) *International Journal of Economics and Financial Issues*, 6 (1S), pp. 168-174.

2015

1. Alexeyev, C.N., Milione, G., Pogrebnaya, A.O., Yavorsky, M.A.

Propagation of light in a circular array of elliptical fibres

(2015) *Journal of Optics (United Kingdom)*, 18 (2), art. no. 025602.

2. Piletska, K.O., Domasevitch, K.V., Gusev, A.N., Shul'gin, V.F., Shtemenko, A.V.

fac-Tricarbonyl rhenium(I) complexes of triazole-based ligands: Synthesis, X-ray structure and luminescent properties

(2015) *Polyhedron*, 102, pp. 699-704.

3. Zamkovskaya, A., Maksimova, E.

Anisotropic thermal expansion in crystals of different categories

(2015) *Journal of Physics: Conference Series*, 661 (1), art. no. 012067.

4. Simchenko, N., Tsekhla, S., Murava-Sereda, A.

Institutional practices of economic experiments in the field of money circulation in Crimea (1783-1917)

(2015) *Indian Journal of Science and Technology*, 8 (Specialissue10), 8 p.

5. Evstaf'yeva, E.V., Evstaf'yeva, I.A., Zalata, O.A., Perekotii, E.V., Tymchenko, S.L., Chernyi, S.V.

Electrophysiological Indices in Sportsmen: Correlations with the Contents of Iron and Copper in the Organism

(2015) *Neurophysiology*, 47 (6), pp. 472-477.

6. Borodin, A.S., Tuzhilkin, D.A., Gudina, M.V., Vladimirovsky, B.M.

Phenomenological features of mortality and morbidity dynamics in Tomsk versus heliogeophysical activity

(2015) *Izvestiya - Atmospheric and Ocean Physics*, 51 (8), pp. 792-805.

7. Ryabchikova, T., Piskunov, N., Pakhomov, Y., Tsymbal, V., Titarenko, A., Sitnova, T., Alexeeva, S., Fossati, L., Mashonkina, L.

Accuracy of atmospheric parameters of FGK dwarfs determined by spectrum fitting

(2015) *Monthly Notices of the Royal Astronomical Society*, 456 (2), pp. 1221-1234.

8. Knyazev, S.A., Efetov, K.A., Ponomarev, K.B.

Zygaenidae (Lepidoptera) of Omsk Province

(2015) *Entomological Review*, 95 (8), pp. 1106-1111.

9. Oberemok, V.V., Zaitsev, A.S., Levchenko, N.N., Nyadar, P.M.

A brief review of most widely used modern insecticides and prospects for the creation of DNA insecticides

- (2015) Entomological Review, 95 (7), pp. 824-831.
10. Lelyakov, A.P.
Dynamics of a null string in the gravitational field of a closed null string of constant radius
(2015) Gravitation and Cosmology, 21 (4), pp. 309-318.
 11. Dzedolik, I.V.
Phonon-polaritons in nonlinear dielectric medium
(2015) Contemporary Optoelectronics: Materials, Metamaterials and Device Applications, pp. 3-23.
 12. Alexeyev, C.N., Lapin, B.P., Milione, G., Yavorsky, M.A.
Optical activity in multihelical optical fibers
(2015) Physical Review A - Atomic, Molecular, and Optical Physics, 92 (3), art. no. 033809.
 13. Seleznyova, K., Yagupov, S., Strugatsky, M., Kliava, J.
On the Dependence of the Electron Paramagnetic Resonance Line Intensities on the Microwave Field Orientation
(2015) Applied Magnetic Resonance, 46 (11), pp. 1323-1330.
 14. Yagupov, S., Strugatsky, M., Seleznyova, K., Maksimova, E., Nauhatsky, I., Yagupov, V., Milyukova, E., Kliava, J.
FexGa $1-x$ BO 3 single crystals: synthesis and characterization (2015) Applied Physics A: Materials Science and Processing, 121 (1), pp. 179-185.
 15. Bisio, C., Carniato, F., Palumbo, C., Safronyuk, S.L., Starodub, M.F., Katsev, A.M., Marchese, L., Guidotti, M.
Nanosized inorganic metal oxides as heterogeneous catalysts for the degradation of chemical warfare agents
(2015) Catalysis Today, . Article in Press.
 16. Strugatsky, M.B., Skibinsky, K.M.
Effective hexagonal magnetic anisotropy of hematite: Accounting for higher-order invariants
(2015) Physics of the Solid State, 57 (8), pp. 1524-1528.
 17. Yatsenko, A.V., Palatnikov, M.N., Sidorov, N.V., Pritulenko, A.S., Evdokimov, S.V.
Specific features of electrical conductivity of LiTaO 3 and LiNbO 3 crystals in the temperature range of 290–450 K
(2015) Physics of the Solid State, 57 (8), pp. 1547-1550.
 18. Gusev, A.N., Shul'gin, V.F., Efimov, N.N., Minin, V.V., Aleksandrov, G.G., Eremenko, I.L.
Coordination compounds of DyIII and NdIII with malonic and succinic acid bispicolylamidrazones
(2015) Russian Chemical Bulletin, 64 (8), pp. 1891-1895.
 19. Lelyakov, A.P.
Solution to the Einstein equations for a “spread” closed null string of constant radius
(2015) Gravitation and Cosmology, 21 (3), pp. 200-207.
 20. Mazinov, A., Shevchenko, A.
The offset of the quantum interband transitions in non-crystalline semiconductors
(2015) Optical and Quantum Electronics, 47 (7), pp. 1659-1669.
 21. Oberemok, V.V., Laikova, K.V., Gninenko, Y.I., Zaitsev, A.S., Nyadar, P.M., Adeyemi, T.A.
A short history of insecticides
(2015) Journal of Plant Protection Research, 55 (3), pp. 221-226.
 22. Semuk, E.Yu., Berzhansky, V.N., Prokopov, A.R., Shaposhnikov, A.N., Karavainikov, A.V., Salyuk, O.Yu., Golub, V.O.
Magnetic properties of epitaxial bismuth ferrite-garnet mono- and bilayers
(2015) Journal of Magnetism and Magnetic Materials, 394, art. no. 60320, pp. 92-95.
 23. Kopachevskii, N.D., Semkina, E.V.
Complete volterra integrodifferential equations of the second order unsolved with respect to the higher derivative
(2015) Ukrainian Mathematical Journal, 66 (11), art. no. A004, pp. 1665-1679.

24. Temur'yants, N.A., Kostyuk, A.S., Tumanyants, K.N.
Involvement of melatonin in changes in nociception in mollusks and mice in long-term electromagnetic screening
(2015) *Neuroscience and Behavioral Physiology*, 45 (6), art. no. A008, pp. 664-669.
25. Popov, V.V., Berzhansky, V.N., Gomonay, H.V., Qin, F.X.
Understanding of double-curvature shaped magnetoimpedance profiles in Joule-annealed and tensioned microwires at 8-12 GHz
(2015) *Journal of Applied Physics*, 117 (17), art. no. 17A322.
26. Pertel, S.S., Osélskaya, V.Y., Chirva, V.Y., Kakayan, E.S.
Influence of a δ -lactam-type cyclic protecting group on the reactivity of a 4-hydroxy glycosyl acceptor derivative of d-glucosamine
(2015) *Russian Chemical Bulletin*, 64 (5), pp. 1119-1124.
27. Kryuchkova, O.N., Itskova, E.A., Lutay, U.A., Turna, E.U., Kucherenko, T.V.
Improvement of amlodipine control efficacy over hypertension using fixed combination of perindopril arginine and amlodipine
(2015) *Russian Journal of Cardiology*, 121 (5), pp. 118-122.
28. Paczwa, M., Sapiga, A.A., Olszewski, M., Sergeev, N.A., Sapiga, A.V.
27Al NMR Study of the Structure and Dynamics of Natrolite
(2015) *Applied Magnetic Resonance*, 46 (5), pp. 583-592.
29. Gusev, A.N., Shul'gin, V.F., Zamnius, E.A., Ricci, M., Minin, V.V., Aleksandrov, G.G., Eremenko, I.L., Linert, W.
Copper(II) complexes with flexible polydentate bispicolylamidrazone ligands: Synthesis, structure and magnetic studies
(2015) *Inorganica Chimica Acta*, 430, pp. 120-124.
30. Anthony, B.P., Shestackova, E.
Do Global Indicators of Protected Area Management Effectiveness Make Sense? A Case Study from Siberia
(2015) *Environmental Management*, 56 (1), pp. 176-192.
31. Kopachevsky, N.D., Sitshayeva, Z.Z.
On the spectral criterion of stability in the problem of small motions of an ideal capillary fluid with disconnected free surface
(2015) *Journal of Mathematical Sciences (United States)*, 206 (1), pp. 39-57.
32. Barshak, E.V., Alexeyev, C.N., Lapin, B.P., Yavorsky, M.A.
Twisted anisotropic fibers for robust orbital-angular-momentum-based information transmission
(2015) *Physical Review A - Atomic, Molecular, and Optical Physics*, 91 (3), art. no. 033833.
33. Khokhlov, N.E., Prokopov, A.R., Shaposhnikov, A.N., Berzhansky, V.N., Kozhaev, M.A., Andreev, S.N., Ravishankar, A.P., Achanta, V.G., Bykov, D.A., Zvezdin, A.K., Belotelov, V.I.
Photonic crystals with plasmonic patterns: Novel type of the heterostructures for enhanced magneto-optical activity
(2015) *Journal of Physics D: Applied Physics*, 48 (9), art. no. 095001.
34. Gazheva, I.A.
On the Natural Oscillations of a System of Thin Layers of Rotating Ideal Liquid
(2015) *Journal of Mathematical Sciences (United States)*, 205 (6), pp. 757-767.
35. Pritulenko, A.S., Yatsenko, A.V., Yevdokimov, S.V.
Analysis of the nature of electrical conductivity in nominally undoped LiNbO₃ crystals
(2015) *Crystallography Reports*, 60 (2), pp. 267-272.
36. Kopachevskii, N.D., Sitshaeva, Z.Z.
On the Equilibrium and Stability of a Capillary Liquid with Disconnected Free Surface in an Open Vessel
(2015) *Journal of Mathematical Sciences (United States)*, 205 (6), pp. 777-790.
37. Chekhov, V.N., Zakora, S.V.

- Stresses in a Shallow Spherical Shell Loaded by Two Tangential Forces Via Rigid Circular Inclusions
(2015) Journal of Mathematical Sciences (United States), 205 (4), pp. 554-566.
38. Mazinov, A.S., Shevchenko, A.I., Terukov, E.I.
The influence of defects on the energetic spectrum of noncrystalline semiconductors
(2015) Journal of Nanoelectronics and Optoelectronics, 9 (6), pp. 778-782.
39. Kopylova, T.N., Degtyarenko, K.M., Samsonova, L.G., Gadirov, R.M., Gusev, A.N., Shul'gin, V.F., Meshkova, S.B.
Spectral and Electroluminescent Properties of Binuclear Zinc Complexes with Halogen-Substituted Derivatives of 1,2,4-Triazole
(2015) Russian Physics Journal, 57 (11), pp. 1525-1531.
40. Kosmachev, O.A., Fridman, Y.A., Galkina, E.G., Ivanov, B.A.
Dynamic properties of magnets with spin $S = 3/2$ and non-Heisenberg isotropic interaction
(2015) Journal of Experimental and Theoretical Physics, 120 (2), pp. 281-295.
41. Gusev, A.N., Shul'gin, V.F., Beyjyev, E., Alexandrov, G.G., Eremenko, I.L., Linert, W.
Anion-triggered coordination mode of the new chelating ligand 1,3-bis[5-(2-pyrimidinyl)-1,2,4-triazol-3-yl]propane
(2015) Polyhedron, 85, pp. 525-529.
42. Kryuchkova, O.N., Itskova, E.A., Lutay, Y.A., Turna, E.Y., Kostyukova, E.A.
Achievement of arterial hypertension control via application of perindopril arginine and amlodipine combination
(2015) Russian Journal of Cardiology, 12 (128), pp. 102-106.
43. Shevchenko, O.K.
Archaeology of power: Eastern galicia in the ethnic discourses of the yalta conference
(2015) Rusin, 42 (4), pp. 168-184.
44. Vishnevskii, V.G., Berzhansky, V.N., Lugovskoy, N.L., Prokopov, A.R., Pankov, F.N.
Features of linear defects eddy current images obtained with use of ferrite garnet films
(2015) Solid State Phenomena, 230, pp. 273-278.
45. Stonyakin, F.S.
Applications of anticomact sets to analogs of denjoy-young-saks and lebesgue theorems
(2015) Eurasian Mathematical Journal, 6 (1), pp. 115-122.
46. Netreba, E.E.
Synthesis and crystal structure of the new complex bis(4,4,10,10-tetramethyl-1,3,7,9-tetraazospiro[5.5]undecane-2,8-Dione-O')diaquatrakis(nitrato-O,O')cerium(III)
(2015) Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 41 (11), pp. 765-771.
47. Nepomniaschiy, A.A., Zarubin, V.G.
A new contribution to the history of the Civil war
(2015) Rossiiskaia Istoria, 2015-January (1), pp. 160-184.
48. Birkun, A.A., Kubyshkin, A.V., Novikov, N.Y., Krivorutchenko, Y.L., Fedosov, M.I., Postnikova, O.N., Snitser, A.A.
Joint Intratracheal Surfactant-Antibacterial Therapy in Experimental Pseudomonas-Induced Pneumonia
(2015) Journal of Aerosol Medicine and Pulmonary Drug Delivery, 28 (4), pp. 299-307.
49. Batyr, E.I., Kopachevsky, N.D.
Small motions and normal oscillations in systems of connected gyrostats
(2015) Journal of Mathematical Sciences (United States), 211 (4), pp. 441-530.
50. Orlov, I.V., Khalilova, Z.I.
Compact subdifferentials in banach spaces and their applications to variational functionals
(2015) Journal of Mathematical Sciences (United States), 211 (4), pp. 542-578.
51. Temnenko V.

Physics of currents and potentials II. Classical singlet-triplet electroweak theory with non-point particles

(2015) Electronic Journal of Theoretical Physics, 12 (32), pp. 179-294.

52. Mangileva, T.A.

Growth hormone and insulin-like growth factor in adults with arterial hypertension

(2015) Russian Journal of Cardiology, 120 (4), pp. 43-48.

53. Shevchenko, O.K., Vernadsky, V.I.

The historical destiny of Rusins and the question of the un at the Crimean Conference of 1945 (historical metodologii)

(2015) Rusin, 40 (2), pp. 174-188.

54. Netreba, E.E.

Synthesis and crystal structure of the new binuclear complex of cerium(III) nitrate with 4,4,10,10-tetramethyl-1,3,7,9-tetraazospiro[5.5]undecane-2,8-dione and the change in the periodical properties in isostructural series of lanthanide complexes with this ligand

(2015) Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 41 (1), pp. 51-57.

55. Gordienko, A.I.

Levels of serum antibodies to enterobacterial lipopolysaccharides and their relationship with concentration of C-reactive protein in diabetes mellitus patients

(2015) Ukrainian Biochemical Journal, 87 (3), pp. 98-106.

56. Oberemok, V.V., Nyadar, P.M.

Investigation of mode of action of DNA insecticides on the basis of LDMNPV IAP-3 gene

(2015) Turkish Journal of Biology, 39 (2), pp. 258-264.

57. Kulichenko, A.M., Dyagileva (Fokina), Y.O., Kolotilova, O.I., Pavlenko, V.B.

Correlations between Brainstem Monoaminergic Neuron Activity and the Spectral Power of EEG Rhythms in Conscious Cats

(2015) Neuroscience and Behavioral Physiology, 45 (1), pp. 84-90.

58. Nepomnyashchiy, A.A.

From the history of preparation Crimean Encyclopedia: Unknown project

(2015) Modern History of Russia, (2), pp. 142-151.

59. Tsekhla, S.Yu., Simchenko, N.A., Polishchuk, E.A.

Structural development of health resort staff in the Republic of Crimea

(2015) Economy of Region, (3), pp. 149-160.

60. Berzhansky, V.N., Karavainikov, A.V., Mikhailova, T.V., Prokopov, A.R., Shaposhnikov, A.N., Kharchenko, M.F., Lukienko, I.M., Miloslavskaya, O.V., Kharchenko, Y.M.

Temperature dependence of Faraday rotation in microcavity 1D-MPCS containing magneto-optical layers with a compensation temperature (2015) Solid State Phenomena, 230, pp. 247-252.

61. Paczwa, M., Sapiga, A.A., Olszewski, M., Sergeev, N., Sapiga, A.V.

^{23}Na nuclear magnetic resonance study of the structure and dynamic of natrolite

(2015) Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, 70 (4), pp. 295-300.

62. Zaitsev, A.S., Omel'chenko, O.V., Nyadar, P.M., Oberemok, V.V.

Influence of DNA oligonucleotides used as insecticides on biochemical parameters of *Quercus robur* and *Malus domestica*

(2015) Bulletin of the Transilvania University of Brasov, Series II: Forestry, Wood Industry, Agricultural Food Engineering, 8 (2), pp. 37-46.

63. Efetov, K.A., Parshkova, E.V., Tarasova, L.G., Tarmann, G.M.

The karyotypes of Procrinae (Lepidoptera: Zygaenidae), with the first record of the karyotype of *Pollanisus communi* Tarmann, 2004, a representative of the tribe artonini

(2015) Entomologist's Gazette, 66 (2), pp. 121-125.

64. Orlov, I.V., Smirnova, S.I.

Invertibility of multivalued sublinear operators

(2015) Eurasian Mathematical Journal, 6 (4), pp. 44-58.

65. Samoilenko, A.M., Belan, E.P.
Periodic modes of the phenomenological spin combustion equation
(2015) *Differential Equations*, 51 (2), pp. 214-231.
66. Minina, E.N., Faynzilberg, L.S.
Analysis of functional state of cardiovascular system by collection of the signs of phasic portrait in single channel ECG
(2015) *Russian Journal of Cardiology*, 12 (128), pp. 7-13.
67. Afanasiev, D., Razdolski, I., Bolotin, D., Yagupov, S.V., Strugatsky, M.B., Kirilyuk, A., Rasing, T., Kimel, A.V.
Lattice-mediated optical control of magnetic anisotropy in FeBO₃
(2015) *Springer Proceedings in Physics*, 159, pp. 255-257.
68. Orlov, I.O., Tsygankova, A.V.
Multidimensional variational functionals with subsmooth integrands
(2015) *Eurasian Mathematical Journal*, 6 (3), pp. 54-75.
69. Yatsenko, A.V., Pritulenko, A.S., Yevdokimov, S.V., Sugak, D.Y., Syvorotka, I.I., Suhak, Y.D., Solskii, I.M., Vakiv, M.M.
The influence of annealing in saturated water vapor on LiNbO₃ crystals optical and electrical properties
(2015) *Solid State Phenomena*, 230, pp. 233-237.
70. Pobachenko, S.V., Grigoriev, P.E., Sokolov, M.V., Shitov, A.V.
The influence of natural magnetic field inhomogeneity areas of active geological faults on the dynamics of functional state of human brain
(2015) *Proceedings of SPIE - The International Society for Optical Engineering*, 9680, art. no. 96805O.
71. Seleznyova, K., Sergeev, N.A., Olszewski, M., Stępień, P., Yagupov, S.V., Strugatsky, M.B., Kliava, J.
¹¹B MAS NMR study of Ga_{1-x}Fe_xBO₃ mixed crystals
(2015) *Solid State Nuclear Magnetic Resonance*, 70, pp. 38-42.
72. Kosykh, T.B., Prosyakov, A.S., Pyatakov, A.P., Shaposhnikov, A.N., Prokopov, A.R., Sharay, I.V.
Surface properties of nanoscale iron garnet films (2015) *Solid State Phenomena*, 233-234, pp. 678-681.
73. Ramachandran, R., Prakash, G., Selvamurugan, S., Viswanathamurthi, P., Malecki, J.G., Linert, W., Gusev, A.
Ruthenium(II) complexes containing a phosphine-functionalized thiosemicarbazone ligand: Synthesis, structures and catalytic C-N bond formation reactions via N-alkylation
(2015) *RSC Advances*, 5 (15), pp. 11405-11422.
74. Knyazev, S.A., Efetov, K.A., Ponomaryov, K.B.
Zygaenidae (lepidoptera) from Omsk region
(2015) *Zoologicheskii Zhurnal*, 94 (11), pp. 1297-1302.
75. Yakovishin, L.A., Grishkovets, V.I., Korzh, E.N., Vetrova, E.V., Borisenko, N.I.
Physico-chemical characteristic and biological activity of the supramolecular complex of glycyram with β-cyclodextrin
(2015) *Macroheterocycles*, 8 (1), pp. 94-98.
76. Berzhansky, V.N., Mikhailova, T.V., Karavainikov, A.V., Prokopov, A.R., Shaposhnikov, A.N., Kharchenko, Y.M., Lukienko, I.M., Miloslavskaya, O.V., Kharchenko, M.F., Belotelov, V.I., Golub, V.O.
Microcavity one-dimensional magnetophotonic crystals with double layer bi-substituted iron garnet films: Optical and magneto-optical responses in transmission and reflection
(2015) *Solid State Phenomena*, 230, pp. 241-246.
77. Kovblyuk, M.M., Kastrygina, Z.A., Omelko, M.M.

New *Lathys simon*, 1884 species from Crimea (Aranei: Dictynidae)

(2015) *Arthropoda Selecta*, 23 (2), pp. 195-198.

78. Oberemok, V.V., Laikova, K.V., Zaitsev, A.S., Nyadar, P.M., Shumskykh, M.N., Gninenko, Y.I.

DNA insecticides based on *iap3* gene fragments of cabbage looper and gypsy moth nuclear polyhedrosis viruses show selectivity for non-target insects

(2015) *Archives of Biological Sciences*, 67 (3), pp. 785-792.

2014

1. Dzedolik, I.V.

Surface plasmon-polariton solitons and cnoidal waves at the boundary of dielectric crystal and metal

(2014) *Journal of Optics (United Kingdom)*, 16 (12), art. no. 125002.

2. Éismont, E.V., Pritchenko, O.V., Pavlenko, V.B.

Peculiarities of the Pattern of EEG Activity in Institutionalized Children

(2014) *Neurophysiology*, 46 (5), pp. 415-421.

3. Mazinov, A., Shevchenko, A.

The offset of the quantum interband transitions in non-crystalline semiconductors

(2014) *Optical and Quantum Electronics*, 11 p. Article in Press.

4. Gubenko, G.

Crimean doctors: Victims of Holocaust and heroes of resistance

(2014) *Jewish Medical Resistance in the Holocaust*, pp. 254-260.

5. Efetov, K.A., Knyazev, S.A.

New records of *Jordanita* (*Roccia*) *volgensis* (Möschler, 1862) (Lepidoptera: Zygaenidae, Procridinae) from Siberia (Russia) and Ukraine

(2014) *Entomologist's Gazette*, 65 (3), pp. 175-178.

6. Efetov, K.A., Tarmann, G.M.

A new European species, *Adscita dujardini* sp. nov. (Lepidoptera: Zygaenidae, Procridinae), confirmed by DNA analysis

(2014) *Entomologist's Gazette*, 65 (3), pp. 179-200.

7. Gusev, A.N., Nemec, I., Herchel, R., Bayjyyev, E., Nyshchimenko, G.A., Alexandrov, G.G., Eremenko, I.L., Trávníček, Z., Hasegawa, M., Linert, W.

Versatile coordination modes of bis[5-(2-pyridine-2-yl)-1,2,4-triazole-3-yl]alkanes in Cu(II) complexes

(2014) *Dalton Transactions*, 43 (19), pp. 7153-7165.

8. Afanasiev, D., Razdolski, I., Skibinsky, K.M., Bolotin, D., Yagupov, S.V., Strugatsky, M.B., Kirilyuk, A., Rasing, T., Kimel, A.V.

Laser excitation of lattice-driven anharmonic magnetization dynamics in dielectric FeBO₃

(2014) *Physical Review Letters*, 112 (14), art. no. 147403.

9. Fadeyeva, T.A., Rubass, A.F., Aleksandrov, R.V., Volyar, A.V.

Does the optical angular momentum change smoothly in fractional-charged vortex beams?

(2014) *Journal of the Optical Society of America B: Optical Physics*, 31 (4), pp. 798-805.

10. Gusev, A.N., Hasegawa, M., Shul'Gin, V.F., Nishchymenko, G., Linert, W.

Photophysical studies on ternary mixed ligand europium complexes containing pyridyltriazolylmethane and 1,3-diketone ligands

(2014) *Inorganica Chimica Acta*, 414, pp. 71-77.

11. Butkovskaya, V., Plachinda, S., Baklanova, D., Butkovskiy, V.

Spectropolarimetric study of the classical Cepheid η Aql: Pulsation and magnetic field

(2014) *Proceedings of the International Astronomical Union*, 9 (S301), pp. 393-394.

12. Guggenberger, E., Shulyak, D., Tsymbal, V., Kolenberg, K.

Bisector analysis of RR Lyrae: Atmosphere dynamics at different phases

- (2014) Proceedings of the International Astronomical Union, 9 (S301), pp. 261-264.
13. Goldin, P., Startsev, D.
Brandtocetus, a new genus of baleen whales (Cetacea, Cetotheriidae) from the late Miocene of Crimea, Ukraine
(2014) Journal of Vertebrate Paleontology, 34 (2), pp. 419-433.
 14. Soldatov, A.A., Parfyonova, I.A.
Stoichiometry of cytochromes and oxygen tension in skeletal muscles of marine fish
(2014) Ukrain'skyi Biokhimichnyi Zhurnal, 86 (2), pp. 60-67.
 15. Tkachenko, A., Degroote, P., Aerts, C., Pavlovski, K., Southworth, J., Pápics, P.I., Moravveji, E., Kolbas, V., Tsymbal, V., Deboscher, J., Clémer, K.
The eccentric massive binary V380 Cyg: Revised orbital elements and interpretation of the intrinsic variability of the primary component
(2014) Monthly Notices of the Royal Astronomical Society, 438 (4), art. no. stt2421, pp. 3093-3110.
 16. Shulgin, V.F., Pevzner, N.S., Konnik, O.V., Konshina, O.I., Aleksandrov, G.G., Eremenko, I.L., Bogomyakov, A.S.
Coordination compounds of some 3d metals with 3-methyl-1-phenyl-4- formylpyrazol-5-one
(2014) Russian Journal of Inorganic Chemistry, 59 (2), pp. 58-62.
 17. Efetov, K.A., Tarmann, G.M.
Illiberis (Alterasvenia) banmauka sp. nov. (Lepidoptera: Zygaenidae, Procridinae) from China and Myanmar
(2014) Entomologist's Gazette, 65 (1), pp. 62-70.
 18. Zakora, D.A.
The operator approach to Il'yushin's models of viscoelastic media under the isothermal processes of deformation
(2014) Journal of Mathematical Sciences (United States), pp. 1-16. Article in Press.
 19. Qin, F.X., Tang, J., Popov, V.V., Liu, J.S., Peng, H.X., Brosseau, C.
Influence of direct bias current on the electromagnetic properties of melt-extracted microwires and their composites
(2014) Applied Physics Letters, 104 (1), art. no. 012901.
 20. Muratova, E.
Islamic groups of crimea: Discourses and politics
(2014) Anthropology and Archeology of Eurasia, 53 (3), pp. 9-24.
 21. Temnenko, V.
Physics of currents and potentials I. Classical electrodynamics with non-point charge
(2014) Electronic Journal of Theoretical Physics, 11 (31), pp. 221-256
 22. Kastygina, Z.A., Kovblyuk, M.M.
The spider genus Pulchellodromus Wunderlich, 2012 in the Crimea (Aranei: Philodromidae)
(2014) Arthropoda Selecta, 23 (3), pp. 279-283.
 23. Krivtsova, A.V., Meleshko, A.G., Gorelikov, G.A., Fridman, Yu.A.
Influence of the mechanic boundary conditions on the dynamic and static properties of the ferromagnet with competing anisotropies
(2014) Journal of Magnetism and Magnetic Materials, 361, pp. 50-56.
 24. Butrim, V.I.
Relaxation of nonequilibrium states of a uniaxial ferromagnet
(2014) Technical Physics Letters, 40 (6), pp. 479-481.
 25. Lebedev, K.A.
Marketing technologies in stimulation of recreation and tourism potential of regions
(2014) Actual Problems of Economics, 161 (11), pp. 186-190.
 26. Gol'din, P.
Naming an Innominate: Pelvis and Hindlimbs of Miocene Whales Give an Insight into Evolution and Homology of Cetacean Pelvic Girdle

(2014) *Evolutionary Biology*, 41 (3), pp. 473-479.

27. Vishnevskii, V., Berzhansky, V., Lugovs'kiy, N., Prokopov, A., Pankov, F.
Features of magneto-optic eddy current images obtained with use of garnet films

(2014) *International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE 2014 - Book of Conference Proceedings*, art. no. 6912427, pp. 234-235.

28. Netreba, E.E.

Synthesis and molecular and crystal structure of the coordination metallopolymer of scandium(III) nitrate with 4,4,10,10-tetramethyl-1,3,7,9,- tetraazospiro[5.5]undecane-2,8-dione

(2014) *Russian Journal of Inorganic Chemistry*, 59 (4), pp. 315-321.

29. Efetov, K.A., Hofmann, A., Tarmann, G.M.

Application of two molecular approaches (use of sex attractants and DNA barcoding) allowed to rediscover *Zygaenoprocris eberti* (Alberti, 1968) (Lepidoptera, Zygaenidae, Procridinae), hitherto known only from the female holotype

(2014) *Nota Lepidopterologica*, 37 (2), pp. 151-160.

30. Kondrashova, G.P.

Essence and models of Islamic mortgage

(2014) *Actual Problems of Economics*, 154 (4), pp. 401-408.

31. Kondrashova, G.P.

Formation and development of islamic mortgage

(2014) *Actual Problems of Economics*, 158 (8), pp. 290-297.

32. Lukyanova, E.A.

On a homomorphism of a component petri net

(2014) *Cybernetics and Systems Analysis*, 50 (1), pp. 31-37.

33. Polietaiev, D.A., Starostenko, V.V., Shadrin, A.A.

Microwave resonator measuring converter in the diagnosis of semiconductor plates

(2014) *CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings*, art. no. 6959691, pp. 914-915.

34. Dzedolik, I.V., Pereskokov, V.

Variation of spectral properties of dielectric ionic crystal in the terahertz range due to the polariton absorption

(2014) *Applied Optics*, (15), pp. 3318-3327.

35. Gorelikov, G.A., Meleshko, A.G., Fridman, Y.A.

Dynamic and static properties of rigidly fixed ultrathin ferromagnetic films with $S = 1$ and competing anisotropies

(2014) *Low Temperature Physics*, 40 (5), pp. 423-434.

36. Gladilina, E.V., Gol'Din, P.E.

New prey fishes in diet of black sea bottlenose dolphins, *tursiops truncatus* (mammalia, cetacea)

(2014) *Vestnik Zoologii*, 48 (1), pp. 83-92.

37. Taran, E.P., Pokrova, S.V., Starostenko, V.V., Zuev, S.A.

Simulation model of the development of irreversible processes in film conductive structures under the influence of powerful microwave radiation

(2014) *CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings*, art. no. 6959669, pp. 868-869.

38. Arsenichev, S.P., Grigor'Ev, E.V., Zuev, S.A., Starostenko, V.V., Taran, E.P.

Features of development of the degradation processes in the nanometer film structures under the influence of high-power electromagnetic fields

(2014) *CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings*, art. no. 6959668, pp. 866-867.

39. Ivanov, M., Shostka, N.

Beam propagation in a uniaxial crystal under small angle to the optical axis and arrays of bottle beams

- (2014) Proceedings of SPIE - The International Society for Optical Engineering, 9194, art. no. 91941C, . Cited 1 time.
40. Butrim, V.I.
Magnetic resonance frequencies of ferromagnets with partially frozen orbital momentum
(2014) Low Temperature Physics, 40 (6), pp. 508-512.
41. Orlov, I.V., Khalilova, Z.I.
Compact Subdifferentials in Banach Cones
(2014) Journal of Mathematical Sciences (United States), 198 (4), pp. 438-456.
42. Kouts, N., Muratova, E.
The past, present, and future of the Crimean Tatars in the discourse of the Muslim community of crimea
(2014) Anthropology and Archeology of Eurasia, 53 (3), pp. 25-65.
43. Babanin, A.A., Kubyshkin, A.V., Ermola Yu., A., Chegodar, D.V., Yurkova, I.N., Fedosov, M.I.
Changes of nonspecific proteinases and free-radical oxidation processes in treatment of experimental peritonitis with the nanobiosilver solution
(2014) New Armenian Medical Journal, 8 (1), pp. 46-51.
44. Efetov, K.A., Parshkova, E.V., Baevsky, M.Y., Poddubov, A.I.
Sec-butyl ester of dodecenoate: Synthesis and attractive properties
(2014) Ukrain'skyi Biokhimichnyi Zhurnal, 86 (6), pp. 175-182.
45. Gusev, A.N., Shul'Gin, V.F., Ugolkova, E.A., Efimov, N.N., Aleksandrov, G.G., Minin, V.V., Eremenko, I.L.
Binuclear copper(II) complexes of functionalized 1,2,4-triazoles: Synthesis, structure, and magnetic properties
(2014) Russian Journal of Inorganic Chemistry, 59 (7), pp. 699-705.
46. Sapiga, A.A., Olszewski, M., Paczwa, M., Sapiga, A.V., Sergeev, N.A.
NMR study of gallosilicate natrolite
(2014) Functional Materials, 21 (2), pp. 181-185.
47. Butkovskaya, V., Plachinda, S., Baklanova, D., Butkovskiy, V.
Magnetic field of the classical Cepheid η Aql: New results
(2014) Proceedings of the International Astronomical Union, 9 (S302), pp. 381-382.
48. Yagupov, S., Maksimova, E., Nayhatsky, I., Yagupov, V., Milyukova, E., Seleznyova, K., Strugatsky, M.
Iron borate based monocrystals for research in magneto-ordered state physics
(2014) International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE 2014 - Book of Conference Proceedings, art. no. 6912415, pp. 207-208.
49. Sataieva, T., Zukow, W.
The respective effects of ethyl alcohol and grape polyphenols upon the morphological index of rat kidneys
(2014) Central European Journal of Medicine, 9 (6), pp. 866-869.
50. Soldatov, A.A., Parfenova, I.A.
Hemoglobin system of golden mullet (*Liza aurata*, Risso) at adaptation to conditions of outer hypoxia
(2014) Journal of Evolutionary Biochemistry and Physiology, 50 (1), pp. 81-87.
51. Mazinov, A., Shevchenko, A., Bahov, V.
Quantum interactions of optical radiation with the defect centres in the tails of the forbidden band of amorphous materials
(2014) Optica Applicata, 44 (2), pp. 327-335.
52. Yatsenko, A.V., Palatnikov, M.N., Sidorov, N.V., Yevdokimov, S.V.
Reinvestigation of electrical properties of congruently grown LiTaO_3 single crystals

- (2014) International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE 2014 - Book of Conference Proceedings, art. no. 6912402, pp. 183-184.
53. Pershina, E.D., Kazdobin, K.A.
On the transformation of trichloroacetic acid in aqueous media
(2014) Journal of Water Chemistry and Technology, 36 (5), pp. 211-216.
54. Romanenko, N.I., Rak, T.N., Pakhomova, O.A., Ivanchenko, D.G., Mylova, A.A.
Synthesis and physicochemical properties of imidazo[1,2-f]xanthine derivatives
(2014) Chemistry of Natural Compounds, 50 (1), pp. 80-82.
55. Skibinsky, K.M., Strugatsky, M.B., Yagupov, S.V., Yevstafyev, A.I., Preobrazensky, V.L., Berzansky, V.N.
Features of acoustic resonance in iron borate
(2014) Functional Materials, 21 (1), pp. 59-63.
56. Fateryga, A.V., Kovblyuk, M.M.
Nesting ecology of the wasp *Sceliphron destillatorium* (Illiger, 1807) (Hymenoptera, Sphecidae) in the Crimea
(2014) Entomological Review, 94 (3), pp. 330-336.
57. Oberemok, V.V., Skorokhod, O.A.
Single-stranded DNA fragments of insect-specific nuclear polyhedrosis virus act as selective DNA insecticides for gypsy moth control
(2014) Pesticide Biochemistry and Physiology, 113 (1), pp. 1-7.
58. Zemlyakov, A.E., Tsikalova, V.N., Zemlyakov, S.A., Chirva, V.Ya., Khilya, V.P.
Synthesis of N-acetylglucosaminides of Isoflavone Derivatives
(2014) Chemistry of Natural Compounds, 49 (6), pp. 1011-1014.
59. Netreba, E.E., Papayanina, E.S.
Study of new molecular and crystal structures of 4,4,10,10-tetramethyl-1,3,7,9-tetraazospiro[5.5]undecane-2,8-dione and its salts: Monochloride, mononitrate, and tetraiodotellurate
(2014) Journal of Structural Chemistry, 55 (4), pp. 722-730.
60. Berzhansky, V.N., Karavainikov, A.V., Mikhailova, T.V., Prokopov, A.R., Shaposhnikov, A.N., Kharchenko, M.F., Lukienko, I.M., Miloslavskaya, O.V., Kharchenko, Y.M.
Temperature dependence of Faraday rotation in microcavity 1D-MPC with compensation temperature
(2014) International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE 2014 - Book of Conference Proceedings, art. no. 6912417, pp. 215-216.
61. Taran, E.P., Gordienko, Yu.E., Slipchenko, N.I.
Dynamics of development of thermal processes in semiconductor structures at the local effects of microwave radiation
(2014) CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings, art. no. 6959674, pp. 878-879.
62. Azizova, L.R., Kulik, T.V., Palianytsia, B.B., Zemlyakov, A.E., Tsikalova, V.N., Chirva, V.Y.
Investigation of chemical transformations of thiophenylglycoside of muramyl dipeptide on the fumed silica surface using TPD-MS, FTIR spectroscopy and ES IT MS
(2014) Nanoscale Research Letters, 9 (1), pp. 1-9.
63. Belalov, V.V., Dyagileva, Y.O., Pavlenko, V.B., Kochukhova, O.M.
Neurophysiological analysis of speech perception in 2.5 to 3.5-year-old orphans and children raised in a family
(2014) Neurophysiology, 46 (1), pp. 79-87.
64. Romanenko, N.I., Nazarenko, M.V., Ivanchenko, D.G., Cherchesova, A.Yu., Aleksandrova, E.V.

- Synthesis and physicochemical properties of 8-bromo-7-[2-hydroxy-3-(4-tert-butyl)phenoxypropyl-1]-3-methylxanthine derivatives
(2014) Chemistry of Natural Compounds, 50 (3), pp. 511-514.
65. Turbin, V.A., Sokolov, A.S., Kosterna, E., Rosa, R.
Effect of plant density on the growth, development and yield of brussels sprouts (*Brassica oleracea* L. var. *gemmifera* L.)
(2014) Acta Agrobotanica, 67 (4), pp. 51-58.
66. Zemlyakov, A.E., Tsikalova, V.N., Makarus', S.G., Chirva, V.Ya., Khilya, V.P.
Synthesis of muramyl dipeptide isoflavone glycoside
(2014) Chemistry of Natural Compounds, 49 (6), pp. 1015-1018.
67. Kilessa, G.V., Asanov, E.E., Zuyev, S.A., Starostenko, V.V., Slipchenko, N.I.
Selection of kinetic parameters for the transfer current in GaAs
(2014) Telecommunications and Radio Engineering (English translation of *Elektrosvyaz* and *Radiotekhnika*), 73 (14), pp. 1273-1292.
68. Dolomatov, S.I., Kubyshkin, A.V., Zukow, W.A., Kutia, S.A., Cieslicka, M., Muszkieta, R., Napierala, M.
Prospects for the replenishment of a feed protein deficit in aquaculture
(2014) Russian Journal of Marine Biology, 40 (4), pp. 233-240.
69. Arsenichev, S.P., Bendeberya, G.N., Grigoryev, Ye.V., Zuyev, S.A., Slipchenko, N.I., Starostenko, V.V., Taran, Ye.P.
Experimental research of diffraction properties of thin conducting films in a waveguide
(2014) Telecommunications and Radio Engineering (English translation of *Elektrosvyaz* and *Radiotekhnika*), 73 (14), pp. 1241-1250.
70. Nosulenko, I.S., Voskoboynik, Y.U., Berest, G.G., Safronyuk, S.L., Kovalenko, S.I., Kamysnyi, O.M., Polishchuk, N.M., Sinyak, R.S., Katsev, A.V.
Synthesis and antimicrobial activity of 6-Thioxo-6,7-dihydro-2H-[1,2,4]triazino [2,3-c]-quinazolin-2-one derivatives
(2014) Scientia Pharmaceutica, 82 (3), pp. 483-500.
71. Gusev, A.N., Shul'Gin, V.F., Linert, W., Hasegawa, M., Aleksandrov, G.G., Eremenko, I.L.
Adducts of lanthanide acetylacetonates with 5-phenyl-2-(2-pyridyl)-7,8-benzo-6,5-dihydro-1,3,6-triazaindolizine: Structure and photoluminescence
(2014) Russian Chemical Bulletin, 63 (7), pp. 1493-1497.
72. Konnik, O.V., Shul'Gin, V.F., Abkhairova, S.V., Meshkova, S.B., Rusanov, E.B., Minin, V.V.
Heteroligand complexes of lanthanides with 4-formyl-3-methyl-1-phenylpyrazol-5-one and 1,10-phenanthroline
(2014) Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 40 (1), pp. 28-33.
73. Shul'Gin, V.F., Bekirova, Z.Z., Konnik, O.V., Meshkova, S.B., Kiriya, A.V., Aleksandrov, G.G., Eremenko, I.L.
Coordination compounds of samarium with acyldihydrazones of saturated dicarboxylic acids and 3-methyl-1-phenyl-4-formylpyrazol-5-one
(2014) Russian Journal of Inorganic Chemistry, 59 (5), pp. 441-445.
74. Martynova, K.V., Fateryga, A.V.
Omalus sculpticollis as the main enemy of *psenulus fuscipennis* (hymenoptera: Chrysididae, crabronidae) in the crimea, ukraine
(2014) Vestnik Zoologii, 48 (1), pp. 11-26.
75. Salnitskaya, M.A., Pasiuga, V.N., Magda, I.Y., Yakovishin, L.A., Grishkovets, V.I., Shckorbatov, Y.G.
Effect of some triterpene glycosides applied in vitro on chromatin state in human cells
(2014) Current Bioactive Compounds, 10 (1), pp. 37-43.
76. Seleznyova, K., Strugatsky, M., Yagupov, S., Postivey, N., Artemenko, A., Kliava, J.

- Iron-doped gallium borate crystals: Synthesis and ESR study of local disorder
(2014) International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE 2014 - Book of Conference Proceedings, art. no. 6912414, pp. 205-206.
77. Yatsenko, A.V., Yevdokimov, S.V., Sugak, D.Y., Solskii, I.M.
Investigation of the defect complexes in highly Mg-doped LiNbO_3 crystals by ^{93}Nb NMR method
(2014) Functional Materials, 21 (1), pp. 31-35.
78. Kazdobin, K.A., Pershina, K.D., Kokhanenko, V.V., Maslyuk, L.N., Zapol'skii, A.K.
Nature of the conductivity of kaolin under hydration and mechanochemical activation
(2014) Surface Engineering and Applied Electrochemistry, 50 (1), pp. 95-100.
79. Yatsenko, A.V., Pritulenko, A.S., Yevdokimov, S.V., Sugak, D.Y., Syvorotka, I.I., Suhak, Y.D., Solskii, I.M., Vakiv, M.M.
The influence of annealing in saturated water vapor on LiNbO_3 crystals optical and electrical properties
(2014) International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE 2014 - Book of Conference Proceedings, art. no. 6912403, pp. 185-186.
80. Popiołek-Masajada, A., Sokolenko, B., Augustyniak, I., Masajada, J., Khoroshun, A., Bacia, M.
Optical Vortex Scanning in an aperture limited system
(2014) Optics and Lasers in Engineering, 55, pp. 105-112.
81. Berzhansky, V.N., Mikhailova, T.V., Karavainikov, A.V., Prokopov, A.R., Shaposhnikov, A.N., Kharchenko, Y.M., Lukienko, I.M., Miloslavskaya, O.V., Kharchenko, M.F., Golub, V.O.
Optical and magneto-optical responses of 1D-MPC with double layer iron garnet films in transmission and reflection
(2014) International Conference on Oxide Materials for Electronic Engineering - Fabrication, Properties and Applications, OMEE 2014 - Book of Conference Proceedings, art. no. 6912411, pp. 199-200.
82. Shul'Gin, V.F., Bekirova, Z.Z., Konnik, O.V., Meshkova, S.B., Kiriya, A.V., Aleksandrov, G.G., Eremenko, I.L.
Coordination compounds of neodymium(III) with acyldihydrazones of saturated dicarboxylic acids and 3-methyl-1-phenyl-4-formylpyrazol-5-one
(2014) Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 40 (6), pp. 396-400.
83. Efetov, K.A., Hofmann, A., Tarmann, G.M., Tremewam, W.G.
Taxonomic comments on the treatment of the Zygaenidae (Lepidoptera) in volume 3 of Moths of Europe, Zygaenids, Pyralids 1 and Brachodids (2012)
(2014) Nota Lepidopterologica, 37 (2), pp. 123-133.
84. Fateryga, A.V., Amolin, A.V.
Nesting and biology of *Jucancistrocerus caspicus* (hymenoptera, vespidae, eumeninae)
(2014) Entomological Review, 94 (1), pp. 73-78.
85. Gol'Din, P., Startsev, D., Krakhmalnaya, T.
The anatomy of the late miocene baleen whale *Cetotherium riabinini* from Ukraine
(2014) Acta Palaeontologica Polonica, 59 (4), pp. 795-814.
86. Seleznyova, K., Strugatsky, M., Yagupov, S., Postivey, N., Artemenko, A., Kliava, J.
Electron paramagnetic resonance of Fe^{3+} in gallium borate: Superposition model analysis
(2014) Physica Status Solidi (B) Basic Research, 251 (7), pp. 1393-1400.
87. Galkina, E.G., Ivanova, B.A., Butrim, V.I.
Longitudinal spin dynamics in nickel fluorosilicate
(2014) Low Temperature Physics, 40 (7), pp. 635-640.

88. Gusev, A.N., Shul'Gin, V.F., Meshkova, S.B., Smola, S.S., Linert, W.
A novel triazole-based fluorescent chemosensor for Zinc ions
(2014) *Journal of Luminescence*, 155, pp. 311-316.
89. Gol'din, P., Zvonok, E., Rekovets, L., Kovalchuk, A., Krakhmalnaya, T.
Basilotritus (Cetacea: Pelagiceti) from the Eocene of Nagornoye (Ukraine): New data on anatomy, ontogeny and feeding of early basilosaurids
(2014) *Comptes Rendus - Palevol*, 13 (4), pp. 267-276.
90. Starodub, N.F., Shavanova, K.E., Taran, M.V., Katsev, A.M., Safronyuk, S.L., Sonko, R.V., Bisio, C., Guidotti, M.
Nanomaterials: Biological effects and some aspects of applications in ecology and agriculture
(2014) *Proceedings of SPIE - The International Society for Optical Engineering*, 9421, art. no. 942106.
91. Konnik, O.V., Bekirova, Z.Z., Shul'Gin, V.F., Meshkova, S.B., Doga, P.G., Smola, S.S., Aleksandrov, G.G., Eremenko, I.L.
Coordination compounds of neodymium, samarium, and europium with acyldihydrazones of imino-, oxo-, and thiodiacetic acids and 3-methyl-1-phenyl-4-formylpyrazol-5-one
(2014) *Russian Journal of Inorganic Chemistry*, 59 (4), pp. 308-314.
92. Yakovishin, L.A., Grishkovets, V.I., Klimenko, A.V., Degtyar, A.D., Kuchmenko, E.B.
Molecular complexes of ivy and licorice triterpene glycosides with doxorubicin
(2014) *Pharmaceutical Chemistry Journal*, 48 (6), pp. 391-394.
93. Yakovishin, L.A., Lekar, A.V., Vetrova, E.V., Borisenko, N.I., Borisenko, S.N., Grishkovets, V.I.
Molecular complexes of Ivy and licorice saponins with sildenafil citrate (Viagra) and their biological activity
(2014) *Russian Journal of Bioorganic Chemistry*, 40 (7), pp. 737-741.
94. Yakunin, I., Wade, G., Bohlender, D., Kochukhov, O., Tsymbal, V.
Magnetic doppler imaging of he-strong star HD 184927
(2014) *Proceedings of the International Astronomical Union*, 9 (S302), pp. 306-308.
95. Shaposhnikov, A.N., Prokopov, A.R., Karavainikov, A.V., Berzhansky, V.N., Mikhailova, T.V., Kotov, V.A., Balabanov, D.E., Sharay, I.V., Salyuk, O.Y., Vasiliev, M., Golub, V.O.
Modification of Bi:YIG film properties by substrate surface ion pre-treatment
(2014) *Materials Research Bulletin*, 55, pp. 19-25.
96. Polosukhina, N., Shulyak, D., Shavrina, A., Lyashko, D., Drake, N.A., Glagolevski, Y., Kudryavtsev, D., Smirnova, M.
RoAp stars: Surface lithium abundance distribution and magnetic field configuration
(2014) *Proceedings of the International Astronomical Union*, 9 (S302), pp. 309-310.
97. Shavrina, A.V., Khalack, V., Glagolevskij, Y., Lyashko, D., Landstreet, J., Leone, F., Giarrusso, M.
The analysis of Li i 6708A line through the rotational period of HD166473 taking into account Paschen-Back magnetic splitting
(2014) *Proceedings of the International Astronomical Union*, 9 (S302), pp. 274-275.
98. Fossati, L., Kolenberg, K., Shulyak, D.V., Elmasli, A., Tsymbal, V., Barnes, T.G., Guggenberger, E., Kochukhov, O.
An in-depth spectroscopic analysis of RR lyr variations over the pulsation cycle
(2014) *Monthly Notices of the Royal Astronomical Society*, 445 (4), pp. 4094-4104.
99. Yakunin, I., Wade, G., Bohlender, D., Kochukhov, O., Marcolino, W., Shultz, M., Monin, D., Grunhut, J., Sitnova, T., Tsymbal, V.
The surface magnetic field and chemical abundance distributions of the B2V helium-strong star HD 184927
(2014) *Monthly Notices of the Royal Astronomical Society*, 447 (2), pp. 1418-1438.
100. Calabrese, J.R., Frye, M.A., Yang, R., Ketter, T.A., Khan, A., D'Souza, B., Gruener, D., Yuryev-Golger, I., Weisler, R.H., Harper, L., Alam, M., Brown, D., Dibuono, M., Downing,

M., Patterson, W., Ross, J., Walling, D., Bortnic, B., Hatti, S., Santana, C., Cifuentes, E., Banov, M., Camacho, A., Johnson-Quijada, S., Shrivastava, R.K., Patel, A., Whalen, J., Flaherty, D., Mehra, V., Atkinson, S.D., Johnson, M.R., Viajupura, A., Habib, A., Corral, R., Bonetto, G.G., Mosca, D., Lamaison, H., George, T., Getev, D., Krastev, G., Hranov, L., Abbar, M., Markowicz-Deja, D., Cwiakala, M., Strzelec, J., Jasovic-Gasic, M., Dejanovic, S.D., Diligenski, V., Kazakova, S., Moroz, S., Serebrennikova, O., Skrypnikov, A., Verbenko, V., Ranjan, R., Sokolski, K.N., Dempsey, G.M., Vallanat, A., Philips, N., Fairbairn, R., Latimer, P., Lehman, R., Gaonkar, S., Kunovac, J., Baber, R., De Dios Perrino, C., Vieta, E., Quintero, J., Gandia, R., Mateva, T., Cenpia, L.G., Toledo, C., Miljatovic, A., Nenadovic, M.

Efficacy and safety of adjunctive armodafinil in adults with major depressive episodes associated with bipolar i disorder: A randomized, double-blind, placebo-controlled, multicenter trial (2014) *Journal of Clinical Psychiatry*, 75 (10), pp. 1054-1061.

2013

1. Kilessa, G.V., Asanov, E.E., Zuev, S.A., Starostenko, V.V.

The influence of the coefficient of nonparabolicity on the distribution of the scattering angles in GaAs

(2013) *CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology*, Conference Proceedings, art. no. 6652756, pp. 133-134.

2. Asanov, E.E., Kilessa, G.V., Zuev, S.A., Slipchenko, N.I.

Dependence of CVC of planar Schottky diode on thickness of active regions

(2013) *CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology*, Conference Proceedings, art. no. 6652763, pp. 147-148.

3. Polietaiev, D.A., Starostenko, V.V., Shadrin, A.A.

Moisture sensor based on coaxial resonator with below-cutoff part

(2013) *CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology*, Conference Proceedings, art. no. 6653155, pp. 982-983.

4. Kilessa, G.V., Asanov, E.E., Zuev, S.A., Slipchenko, N.I.

Determination of kinetic parameters of gaas by monte carlo simulation of semiconductor plasma

(2013) *CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology*, Conference Proceedings, art. no. 6652755, pp. 131-132.

5. Taran, E.P., Slipchenko, N.I., Starostenko, V.V., Arsenichev, S.P.

The model of diffraction of the electromagnetic fields on spatially-heterogeneous film structures in a waveguide

(2013) *CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology*, Conference Proceedings, art. no. 6653125, pp. 918-919.

6. Taran, E.P., Slipchenko, N.I., Starostenko, V.V., Arsenichev, S.P.

Model of thermal processes in spatial-heterogeneous film structures at influence of electromagnetic microwave radiation

(2013) *CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology*, Conference Proceedings, art. no. 6653126, pp. 920-921.

7. Gordienko, Yu.E., Slipchenko, N.I., Taran, E.P.

Model of high-intensity local influence of microwave radiation on semiconductor layered structures

(2013) *CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology*, Conference Proceedings, art. no. 6653124, pp. 916-917.

8. Shul'gin, V.F., Konnik, O.V., Gusev, A.N., Boča, R., Dlháň, L., Rusanov, E.B., Alexandrov, G.G., Eremenko, I.L., Linert, W.

Spacer-armed copper(ii) complexes with benzenecarboxylic acids and trifluoroacetylacetone aroylhydrazones

(2013) *Dalton Transactions*, 42 (48), pp. 16878-16886.

9. Edirippulige, S., Levandovskaya, M., Prishutov, A.

A qualitative study of the use of Syte for psychotherapy consultations in the Ukraine

(2013) *Journal of Telemedicine and Telecare*, 19 (7), pp. 376-378.

10. Doga, P.G., Meshkova, S.B., Shul'Gin, V.F., Gusev, A.N., Lobko, E.V., Kozak, N.V., Smola, S.S.

Synthesis and luminescent properties of europium(III) and Terbium(III) complexes with acylated derivatives of 2-aminobenzoic acid

(2013) *Russian Journal of Inorganic Chemistry*, 58 (11), pp. 1341-1348.

11. Alexeyev, C.N., Alexeyev, A.N., Lapin, B.P., Milione, G., Yavorsky, M.A.

Spin-orbit-interaction-induced generation of optical vortices in multihelicoidal fibers

(2013) *Physical Review A - Atomic, Molecular, and Optical Physics*, 88 (6), art. no. 063814

12. Natreba, E.E.

Synthesis and molecular and crystal structures of binuclear complexes of Sm(III), Eu(III), Gd(III), Tb(III), and Dy(III) nitrates with 4,4,10,10-tetramethyl-1,3,7,9-tetraazospiro[5.5]undecane-2,8-dione

(2013) *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, 39 (10), pp. 723-737.

13. Basiladze, G.D., Berzhansky, V.N., Dolgov, A.I.

Faraday rotator for the optical switch of a two-wave light flux in fiber-optic networks

(2013) *Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL*, art. no. 6657562, pp. 155-157.

14. Bogadelnikov, I., Verem'Eva, R.E., Vyaltseva, Y.

The effectiveness of enoant in the treatment of bronchitis in children

(2013) *NATO Science for Peace and Security Series A: Chemistry and Biology*, pp. 247-252.

15. Pikula, M.O., Shimko, K.V.

Research of the time of the transverse relaxation using the incoherent NMR-spectrometer

(2013) *Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL*, art. no. 6657646, pp. 384-385.

16. Boiko, V.A., Ponomarenko, V.I.

Custom types of waves spatially periodic structure of microwires

(2013) *Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL*, art. no. 6657588, pp. 227-228.

17. Alexeyev, C.N., Barshak, E.V., Yavorsky, M.A.

Optical vortices in anisotropic optical fibers with torsional stress

(2013) *Optics and Spectroscopy (English translation of Optika i Spektroskopiya)*, 115 (6), pp. 889-897.

18. Barshak, E.V., Alexeyev, C.N., Yavorsky, M.A.

Broadband generation of azimuthally and radially polarized beams with twisted low-birefringent optical fibres

(2013) *Journal of Optics (United Kingdom)*, 15 (12), art. no. 125707.

19. Alexeyev, C.N., Fridman, Yu.A., Lapin, B.P., Yavorsky, M.A.

Orbital angular momentum control by a multihelicoidal fibre with a twist defect

(2013) *Journal of Optics (United Kingdom)*, 15 (12), art. no. 125401.

20. Shlapak, M., Rybalko, S.Y.

The changes in catalytic activity of membrane-bound acetylcholinesterase of human erythrocytes due to chronic exposure to electromagnetic radiation of mobile devices

(2013) *Biology and Communication in the Information Age*, pp. 1-4.

21. Kilessa, G., Khorseva, N., Grigoryev, P., Glivenko, A.

Architecture of the software for the complex psychophysiological monitoring

(2013) *Biology and Communication in the Information Age*, pp. 105-110.

22. Berzhansky, V.N., Shaposhnikov, A.N., Mikhailova, T.V., Prokopov, A.R., Karavainikov, A.V., Kharchenko, Yu.M., Lukienko, I.M., Miloslavskaya, O.V., Kharchenko, M.F.

- Magneto-optical spectra of microcavity one-dimensional magnetophotonic crystals with double layer bismuth-substituted iron garnet
(2013) Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL, art. no. 6657535, pp. 82-84.
23. Kerem, D., Kent, R., Roditi-Elasar, M., Goffman, O., Scheinin, A., Gol'Din, P.
Early physical maturation of female common bottlenose dolphin *Tursiops truncatus* in the eastern Levantine Basin
(2013) Israel Journal of Ecology and Evolution, 59 (3), pp. 154-162.
24. Yakovishin, L.A., Grishkovets, V.I., Lekar, A.B., Vetrova, E.V., Borisenko, N.I., Borisenko, S.N.
Molecular complexation of α -hederin with hederasaponin C
(2013) Russian Journal of Bioorganic Chemistry, 39 (7), pp. 707-711.
25. Cunha, M.S., Alentiev, D., Brandão, I.M., Perraut, K.
Testing excitation models of rapidly oscillating Ap stars with interferometry
(2013) Monthly Notices of the Royal Astronomical Society, 436 (2), pp. 1639-1647.
26. Fateryga, A.V., Ryff, L.E., Nikiforov, A.R., Svirin, S.A.
Rediscovery of the endemic *Scrophularia exilis* (Scrophulariaceae) in the Crimean Mountains and comments on its taxonomic status
(2013) Willdenowia, 43 (2), pp. 251-256.
27. Iezhov, V.V., Mizin, V.I., Yalaneckyy, A.Y.
Bioactive compounds of crimean wines countering the stress experienced by personnel
(2013) NATO Science for Peace and Security Series A: Chemistry and Biology, pp. 271-276.
28. Taran, M.V., Starodub, N.F., Katsev, A.M., Guidotti, M., Khranovskyy, V.D., Babanin, A.A., Melnychuk, M.D.
Biocidal effects of silver and zinc oxide nanoparticles on the bioluminescent bacteria
(2013) Progress in Biomedical Optics and Imaging - Proceedings of SPIE, 9032, art. no. 90320I.
29. Tkachenko, A., Van Reeth, T., Tsymbal, V., Aerts, C., Kochukhov, O., Debusscher, J.
Denoising spectroscopic data by means of the improved least-squares deconvolution method
(2013) Astronomy and Astrophysics, 560, art. no. A37, . Cited 7 times.
30. Bykov, M.A., Zuyev, S.A., Slipchenko, N.I., Shadrin, A.A.
A description of carrier current flow transport model in thin photoconverting a-Si:H film
(2013) Telecommunications and Radio Engineering (English translation of *Elektrosvyaz* and *Radiotekhnika*), 72 (20), pp. 1881-1892.
31. Subchev, M., Koshio, C., Toshova, T., Efetov, K., Francke, W.
(2R)-butyl (7Z)-dodecenoate, a main sex pheromone component of *Illiberis* (*Primilliberis*) *pruni* dyar (Lepidoptera: Zygaenidae: Procrinae)?
(2013) Acta Zoologica Bulgarica, 65 (3), pp. 391-396.
32. Antypenko, O.M., Antypenko, L.M., Kovalenko, S.I., Katsev, A.M., Achkasova, O.M.
Potential of N-aryl(benzyl,heteryl)-2-(tetrazolo[1,5-c]quinazolin-5-ylthio)acetamides as anticancer and antimicrobial agents
(2013) Arabian Journal of Chemistry, . Article in Press.
33. Sviridenko, A.V., Shcherbina, O.A.
Block local elimination algorithms for sparse discrete optimization problems
(2013) Cybernetics and Systems Analysis, 49 (6), pp. 932-935.
34. Romanenko, N.I., Pakhomova, O.A., Vasyuk, S.A., Borodina, N.I.
Synthesis and physicochemical properties of derivatives of 7- β -hydroxyethyl-3-methylxanthinyl-8-aminoalkanoic acids
(2013) Chemistry of Natural Compounds, 49 (5), pp. 907-909.
35. Bar'yakhtar, V.G., Butrim, V.I., Ivanov, B.A.
Exchange relaxation as a mechanism of the ultrafast reorientation of spins in a two-sublattice ferrimagnet
(2013) JETP Letters, 98 (5), pp. 289-293.

36. Romanenko, N.I., Nazarenko, M.V., Kornienko, V.I., Rak, T.N., Samura, B.A., Ivanchenko, D.G.
Synthesis and physicochemical and biological properties of heteroannelated 3-methylxanthine derivatives
(2013) Chemistry of Natural Compounds, 49 (5), pp. 892-896.
37. Shimkus, Yu.Yu., Sapegin, I.D.
The effect of betahistine on histological changes in rabbit brain in model of whole body wide-frequency vibration
(2013) Eksperimental'naya i Klinicheskaya Farmakologiya, 76 (6), pp. 14-17.
38. Galkina, E.G., Butrim, V.I., Fridman, Y.A., Ivanov, B.A., Nori, F.
Longitudinal magnetization reversal in ferromagnets with Heisenberg exchange and strong single-ion anisotropy
(2013) Physical Review B - Condensed Matter and Materials Physics, 88 (14), art. no. 144420.
39. Marusik, Y.M., Nadolny, A.A., Omelko, M.M.
A survey of east palaearctic lycosidae (araneae). 10. Three new pardosa species from the mountains of central Asia
(2013) Zootaxa, 3722 (2), pp. 204-218.
40. Fateryga, A.V., Ivanov, S.P.
Nesting biology of *Paravespa rex* (von Schulthess 1924) (Hymenoptera: Vespidae: Eumeninae) in the Crimea, Ukraine
(2013) Zootaxa, 3721 (6), pp. 589-600.
41. Klevets, P.N., Kosmachev, O.A., Fridman, Y.A.
Supersolid magnetic phase realization in strongly anisotropic easy-plane antiferromagnet with Ising-like exchange interaction in the transverse magnetic field
(2013) Journal of Magnetism and Magnetic Materials, 348, pp. 68-74.
42. Gol'din, P.E., Marareskul, V.A.
Miocene toothed whales (cetacea, odontoceti) from the dniester valley: The first record of sperm whales (physeteroidea) from the Eastern Europe
(2013) Vestnik Zoologii, 47 (5).
43. Fateryga, A.V.
On the nest structure in two species of the genus *Leptochilus* (hymenoptera, vespidae, eumeninae)
(2013) Vestnik Zoologii, 47 (5).
44. Glagolevskij, Y.V., Shavrina, A.V., Chuntanov, G.A., Lyashko, D.A.
Features of calcium and strontium distribution on the surface of CP star HD49976
(2013) Astrophysical Bulletin, 68 (4), pp. 454-460.
45. Mazinov, A.S., Shevchenko, A.I.
Analysis of model approaches for description of a near-surface p-n junction
(2013) Telecommunications and Radio Engineering (English translation of *Elektrosvyaz* and *Radiotekhnika*), 72 (17), pp. 1601-1611.
46. Asanov, E.E., Zuyev, S.A., Kilessa, G.V., Slipchenko, N.I.
Numerical model for metal-semiconductor contact
(2013) Telecommunications and Radio Engineering (English translation of *Elektrosvyaz* and *Radiotekhnika*), 72 (17), pp. 1575-1587.
47. Volyar Alexander, V.
Do optical quarks exist in the free space? A scalar treatment
(2013) Ukrainian Journal of Physical Optics, 14 (1), pp. 31-43.
48. Berzhansky, V., Mikhailova, T., Shaposhnikov, A., Prokopov, A., Karavainikov, A., Kotov, V., Balabanov, D., Burkov, V.
Magneto-optics of nanoscale Bi:YIG films
(2013) Applied Optics, 52 (26), pp. 6599-6606.
49. Dzedolik, I.V., Karakchieva, O.
Control of polariton spectrum in bigyrotropic medium

- (2013) *Applied Optics*, 52 (25), pp. 6112-6118.
50. Kastygina, Z.A., Kovblyuk, M.M.
A review of the spider genus *Thanatus* C.L. Koch, 1837 in Crimea (Aranei: Philodromidae)
(2013) *Arthropoda Selecta*, 22 (3), pp. 239-254.
51. Natreba, E.E.
Study of the molecular and crystal structure of a new coordination polymer of copper(II) nitrate with 4,4,10,10-tetramethyl-1,3,7,9-tetraazospiro[5.5] undecane-2,8-dione
(2013) *Journal of Structural Chemistry*, 54 (5), pp. 944-951.
52. Kovblyuk, M.M., Kastygina, Z.A.
Two interesting species of the genus *Harpactea* from Crimea (Aranei: Dysderidae)
(2013) *Arthropoda Selecta*, 22 (3), pp. 233-238.
53. Ivanov, S.P., Fateryga, A.V., Kobetskaya, M.A.
The nesting biology of the bee, *Osmia dimidiata* Morawitz, 1870 (Hymenoptera, Megachilidae) in the Crimea
(2013) *Entomological Review*, 93 (6), pp. 675-694.
54. Papkov, S.O., Chekhov, V.N.
Limiting limitants in dynamic problems for a rectangular prism
(2013) *International Applied Mechanics*, 49 (5), pp. 555-569.
55. Gol'din, P.E., Vishnyakova, K.A.
Africanacetus from the sub-Antarctic region: The southernmost record of fossil beaked whales
(2013) *Acta Palaeontologica Polonica*, 58 (3), pp. 445-452.
56. Yavorsky, M.A.
All-fiber polarization-dependent optical vortex beams generation via flexural acoustic wave
(2013) *Optics Letters*, 38 (16), pp. 3151-3153.
57. Efetov, K.A., Tarmann, G.M.
Chrysartona (*Chrystarmanna*) *mineti* sp. nov. (Lepidoptera: Zygaenidae, Procrinae) from northern Vietnam
(2013) *Entomologist's Gazette*, 64 (3), pp. 197-206.
58. Suleimenov, I.E., Gabrielyan, O., Shaltykova, D., Negim, E.S.M., Obukhova, P., Suleymenova, K.
Current global crisis as a crisis of civilization meta-projects
(2013) *World Applied Sciences Journal*, 23 (11), pp. 1455-1464.
59. Kovblyuk, M.M., Kastygina, Z.A., Marusik, Y.M., Omelko, M.M.
Redescription of the spider *haplodrassus caspius ponomarev* & belosludtsev, 2008, with the first description of the male (Araneae: Gnaphosidae)
(2013) *Zoology in the Middle East*, 59 (1), pp. 66-69.
60. Tkachenko, A., Aerts, C., Yakushechkin, A., Debusscher, J., Degroote, P., Bloemen, S., Pápics, P.I., De Vries, B.L., Lombaert, R., Hrudkova, M., Frémat, Y., Raskin, G., Van Winckel, H.
Detection of a large sample of γ Doradus stars from Kepler space photometry and high-resolution ground-based spectroscopy (2013) *Astronomy and Astrophysics*, 556, art. no. A52.
61. Baryshnikov, G.V., Minaev, B.F., Korop, A.A., Minaeva, V.A., Gusev, A.N.
Structure of zinc complexes with 3-(pyridin-2-yl)-5-(arylideneiminophenyl)-1H-1,2,4-triazoles in different tautomeric forms: DFT and QTAIM study
(2013) *Russian Journal of Inorganic Chemistry*, 58 (8), pp. 928-934.
62. Masajada, J., Popiolek-Masajada, A., Augustyniak, I., Sokolenko, B.
Towards superresolution imaging with optical vortex scanning microscope
(2013) *Proceedings of SPIE - The International Society for Optical Engineering*, 8788, art. no. 87882V.
63. Kuryanov, V.O., Luschtshyk, A.A., Chupakhina, T.A.
Glycosylated derivatives of substituted hydroxylamine. II. the phase transfer synthesis and the study of the glycosyl transfer reaction of glucosaminides of substituted hydroxylamine

- (2013) Russian Journal of Bioorganic Chemistry, 39 (4), pp. 426-433.
64. Gaziev, E.L., Kopachevsky, N.D.
Small motions and eigenoscillations of a "fluid-barotropic gas" hydrosystem
(2013) Journal of Mathematical Sciences (United States), 192 (4), pp. 389-416.
65. Voytitsky, V.I.
On the spectral Stefan-Florin problem with classical boundary condition
(2013) Journal of Mathematical Sciences (United States), 192 (4), pp. 474-484.
66. Alexeyev, C.N., Lapin, B.P., Volyar, A.V., Yavorsky, M.A.
Helical-core fiber analog of a quarter-wave plate for orbital angular momentum
(2013) Optics Letters, 38 (13), pp. 2277-2279.
67. Gorelikov, G.A., Fridman, Y.A.
Effect of mechanical boundary conditions on the dynamic and static properties of a strongly anisotropic ferromagnet
(2013) Journal of Experimental and Theoretical Physics, 117 (1), pp. 126-138.
68. Fateryga, A.V.
The nest structure in four wasp species of the genus *Euodynerus* Dalla Torre (Hymenoptera, Vespidae: Eumeninae)
(2013) Entomological Review, 93 (4), pp. 412-421.
69. Pershina, E.D., Burda, V.E., Kazdobin, K.A., Kokhanenko, V.V.
Identification of the sugars content in the production of champagne by the electrochemical impedance spectroscopy method
(2013) Surface Engineering and Applied Electrochemistry, 49 (4), pp. 348-354.
70. Bairachnyi, B.I., Fedorenko, A.A., Tul'skii, G.G., Borsuk, O.N., Bairachnyi, B.B.
Resource-saving electrochemical processes in manufacture of pigment titanium dioxide
(2013) Russian Journal of Applied Chemistry, 86 (7), pp. 1001-1005.
71. Kovblyuk, M.M., Kastygina, Z.A., Marusik, Y.M.
A new genus *Shaitan elchini* gen. et sp.n. (Aranei: Gnaphosidae) from Azerbaijan and Kazakhstan
(2013) Arthropoda Selecta, 22 (2), pp. 145-151.
72. Netreba, E.E., Fedorenko, A.M.
Coordination polymer of uranyl nitrate with 4,4,10,10-Tetramethyl-1,3,7,9-Tetraazaspiro[5.5]undecane-2,8-dione (Spirocarbone, Sk): Synthesis and study of molecular and crystal structures
(2013) Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 39 (2), pp. 214-218.
73. Bar'Yakhtar, V.G., Butrim, V.I., Kolezhuk, A.K., Ivanov, B.A.
Dynamics and relaxation in spin nematics
(2013) Physical Review B - Condensed Matter and Materials Physics, 87 (22), art. no. 224407.
74. Gusev, A.N., Hasegawa, M., Shimizu, T., Fukawa, T., Sakurai, S., Nishchymenko, G.A., Shul'gin, V.F., Meshkova, S.B., Linert, W.
Synthesis, structure and luminescence studies of Eu(III), Tb(III), Sm(III), Dy(III) cationic complexes with acetylacetone and bis(5-(pyridine-2-yl)-1, 2, 4-triazol-3-yl)propane
(2013) Inorganica Chimica Acta, 406, pp. 279-284.
75. Kovalenko, S.I., Nosulenko, I.S., Voskoboynik, A.Yu., Berest, G.G., Antipenko, L.N., Antipenko, A.N., Katsev, A.M.
Novel N-aryl(alkaryl)-2-[(3-R-2-oxo-2H-[1,2,4]triazino[2,3-c]quinazoline-6-yl)thio]acetamides: Synthesis, cytotoxicity, anticancer activity, COMPARE analysis and docking
(2013) Medicinal Chemistry Research, 22 (6), pp. 2610-2632.
76. Fateryga, A.V.
The nest structure in four species of solitary wasps of the subfamily Eumeninae (Hymenoptera, Vespidae)
(2013) Entomological Review, 93 (3), pp. 281-292.
77. Ponomarenko, V.I., Popov, V.V., Qin, F.

- Microwire-based analog of a quarter-wavelength radioabsorber
(2013) *Radioelectronics and Communications Systems*, 56 (6), pp. 285-289.
78. Belan, E.P., Samoilenko, A.M.
Dynamics of periodic modes for the phenomenological equation of spin combustion
(2013) *Ukrainian Mathematical Journal*, 65 (1), pp. 21-46.
79. Gusev, A.N., Shul'Gin, V.F., Nishchimenko, G.A., Meshkova, S.B., Kiriya, A.V., Aleksandrov, G.G., Eremenko, I.L.
Heteroligand complexes of Nd(III), Yb(III), and Er(III) dibenzoyl methanates with bis(5-pyridin-2-yl-1,2,4-triazol-3-yl)methane
(2013) *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, 39 (6), pp. 432-436.
80. Shul'Gin, V.F., Abkhairova, S.V., Konnik, O.V., Meshkova, S.B., Topilova, Z.M., Rusanov, E.B., Aleksandrov, G.G., Eremenko, I.L.
Anionic lanthanide complexes with 3-methyl-4-formyl-1-phenyl-5-pyrazolone
(2013) *Russian Journal of Inorganic Chemistry*, 58 (6), pp. 678-683.
81. Efetov, K.A., Savchuk, V.V.
Newly discovered morphs of *Zygaena dorycnii* Ochsenheimer, 1808 (Lepidoptera: Zygaenidae, Zygaeninae) in the Crimea, Ukraine
(2013) *Entomologist's Gazette*, 64 (2), pp. 111-115.
82. Shul'Gin, V.F., Konnik, O.V., Abkhairova, S.V., Gusev, A.N., Meshkova, S.B., Kiriya, A.V., Rusanov, E.B., Hasegawa, M., Linert, W.
Anionic lanthanide complexes with 3-methyl-1-phenyl-4-formylpyrazole-5-one and hydroxonium as counter ion
(2013) *Inorganica Chimica Acta*, 402, pp. 33-38.
83. Popov, V.V., Berzhansky, V.N., Gomonay, H.V., Qin, F.X.
Stress-induced magnetic hysteresis in amorphous microwires probed by microwave giant magnetoimpedance measurements
(2013) *Journal of Applied Physics*, 113 (17), art. no. 17A326.
84. Gusev, A.N., Hasegawa, M., Nishchymenko, G.A., Shul'Gin, V.F., Meshkova, S.B., Doga, P., Linert, W.
Ln(III) complexes of a bis(5-(pyridine-2-yl)-1,2,4-triazol-3-yl)methane ligand: Synthesis, structure and fluorescent properties
(2013) *Dalton Transactions*, 42 (19), pp. 6936-6943.
85. Kochkin, D.V., Kachala, V.V., Shashkov, A.S., Chizhov, A.O., Chirva, V.Y., Nosov, A.M.
Malonyl-ginsenoside content of a cell-suspension culture of *Panax japonicus* var. *repens*
(2013) *Phytochemistry*, 93, pp. 18-26.
86. Konareva, I.N.
Locus of subjective control: Peculiarities of the coherence of EEG activity in the resting state
(2013) *Neurophysiology*, 45 (3), pp. 258-265.
87. Chupakhina, T.A., Astrakhanseva, A.A., Kuryanov, V.O.
Specific features of phase transfer catalytic glycosylation of aromatic hydroxy acids
(2013) *Russian Journal of Bioorganic Chemistry*, 39 (3), pp. 306-311.
88. Dzedolik, I.V., Karakchieva, O.
Polariton spectrum in nonlinear dielectric medium
(2013) *Applied Optics*, 52 (13), pp. 3073-3078.
89. Alexeyev, C.N., Lapin, B.P., Yavorsky, M.A.
Generation of optical vortices in multihelical optical fibers
(2013) *Optics and Spectroscopy (English translation of Optika i Spektroskopiya)*, 114 (5), pp. 778-783.
90. Titarenko, A.P., Ryabchikova, T.A., Kochukhov, O.P., Tsymbal, V.V.
Chemical composition and evolutionary status of the Ap star HD 138633

- (2013) *Astronomy Letters*, 39 (5), pp. 347-356.
91. Kochukhov, O., Alentiev, D., Ryabchikova, T., Boyko, S., Cunha, M., Tsymbal, V., Weiss, W.
Discovery of new rapidly oscillating ap pulsators in the UVES survey of cool magnetic ap stars
(2013) *Monthly Notices of the Royal Astronomical Society*, 431 (3), pp. 2808-2819.
 92. Kosmachev, O.A., Fridman, Y.A.
Specific features of the formation of phase states in a non-Heisenberg magnet with $S = 2$
(2013) *Physics of the Solid State*, 55 (4), pp. 737-742.
 93. Fadeyeva, T.A.
Hidden chains of optical vortices generated using a corner of phase wedge
(2013) *Ukrainian Journal of Physical Optics*, 14 (2), pp. 57-69.
 94. Khasanov, O., Smirnova, T., Fedotova, O., Rusetsky, G., Volyar, A.
Powerful femtosecond singular pulses in the Kerr media with dispersion
(2013) *Ukrainian Journal of Physical Optics*, 14 (2), pp. 74-84.
 95. Alexeyev, C.N.
Spin angular momentum tunnelling in coupled anisotropic optical fibres
(2013) *Journal of Optics (United Kingdom)*, 15 (4), art. no. 044015.
 96. Dzedolik, I.V., Karakchieva, O.
Transformation of the surface plasmon-polariton pulse to bright and dark solitons at the first and second harmonics
(2013) *Journal of Optics (United Kingdom)*, 15 (4), art. no. 044019.
 97. Fadeyeva, T.A., Rubass, A.F., Valkov, I.S., Volyar, A.V.
Fractional optical vortices in a uniaxial crystal
(2013) *Journal of Optics (United Kingdom)*, 15 (4), art. no. 044020.
 98. Desyatnikov, A.S., Fadeyeva, T.A., Dennis, M.R.
Special issue on singular optics
(2013) *Journal of Optics (United Kingdom)*, 15 (4), art. no. 040201.
 99. Bliokh, K.Y., Izdebskaya, Y.V., Nori, F.
Transverse relativistic effects in paraxial wave interference
(2013) *Journal of Optics (United Kingdom)*, 15 (4), art. no. 044003.
 100. Antypenko, L.M., Kovalenko, S.I., Antypenko, O.M., Katsev, A.M., Achkasova, O.M.
Design and evaluation of novel antimicrobial and anticancer agents among tetrazolo[1,5-c]quinazoline-5-thione S-derivatives
(2013) *Scientia Pharmaceutica*, 81 (1), pp. 15-42.
 101. Lisetskii, F.N., Stolba, V.F., Ergina, E.I., Rodionova, M.E., Terekhin, E.A.
Post-agrogenic evolution of soils in ancient Greek land use areas in the Herakleian Peninsula, southwestern Crimea
(2013) *Holocene*, 23 (4), pp. 504-514.
 102. Natreba, E.E., Fedorenko, A.M.
Investigation of the crystal and molecular structure of a novel coordination polymer formed by manganese(II) nitrate and 4,4,10,10-tetramethyl- 1,3,7,9-tetraazospiro[5.5]undecan-2,8-dione
(2013) *Journal of Structural Chemistry*, 54 (2), pp. 373-376.
 103. Shlapak, M., Rybalko, S.Y.
Electromagnetic radiation of mobile devices causes the changes in catalytic activity of membrane-bound acetylcholinesterase of human erythrocytes (yt-antigen) during the adaptation to chronic exposure of electromagnetic radiation
(2013) *New Steps in Physical Chemistry, Chemical Physics and Biochemical Physics*, pp. 91-94.
 104. Kilessa, G., Khorseva, N., Grigoryev, P., Glivenko, A.
Architecture of the software for the complex psychophysiological monitoring
(2013) *New Steps in Physical Chemistry, Chemical Physics and Biochemical Physics*, pp. 171-176.
 105. Gol'Din, P., Zvonok, E.

Basilotritus uheni, a New Cetacean (Cetacea, Basilosauridae) from the Late Middle Eocene of Eastern Europe

(2013) Journal of Paleontology, 87 (2), pp. 254-268.

106. Chilin, V.I., Muratov, M.A.

Comparison of topologies on $\ast$ -algebras of locally measurable operators

(2013) Positivity, 17 (1), pp. 111-132.

107. Klevets, Ph.N., Kosmachev, O.A., Fridman, Yu.A.

Phase transitions in $S=1$ antiferromagnet with Ising-like exchange interaction and strong easy-plane single-ion anisotropy

(2013) Journal of Magnetism and Magnetic Materials, 330, pp. 91-95.

108. Kovblyuk, M.M., Kastrygina, Z.A., Marusik, Y.M., Ponomarev, A.V.

The spider genus *pireneitega kishicla*, 1955 in the caucasus (Aranei: Agelenidae: Coelotinae)

(2013) Arthropoda Selecta, 22 (1), pp. 59-73.

109. Korobov, V.I., Pavlichkov, S.S., Schmidt, W.H.

Global positional synthesis and stabilization in finite time of MIMO generalized triangular systems by means of the controllability function method

(2013) Journal of Mathematical Sciences (United States), 189 (5), pp. 795-804.

110. Efetov, K.A., Tarmann, G.M.

Illiberis (Alterasvenia) cernyi sp. nov. (Lepidoptera: Zygaenidae, Procridae) from northern Thailand

(2013) Entomologist's Gazette, 64 (1), pp. 33-39. Cited 5 times.

111. Ukrainets, I.V., Golik, N.Yu., Chernenok, I.N., Shishkina, S.V., Parshikov, V.A.

4-Hydroxy-2-quinolones. 220*. Bromination of ethyl 7-hydroxy-5-oxo-2,3-dihydro-1H,5H-pyrido[3,2,1-ij]quinoline-6-carboxylate

(2013) Chemistry of Heterocyclic Compounds, 48 (11), pp. 1665-1669.

112. Gusev, A.N., Shul'gin, V.F., Nishimenko, G., Hasegawa, M., Linert, W.

Photo- and electroluminescent properties europium complexes using bistriazole ligands

(2013) Synthetic Metals, 164 (1), pp. 17-21.

113. Alexeyev, C.N.

Narrowband reflective generation of higher-order optical vortices in Bragg spun optical fibers

(2013) Applied Optics, 52 (3), pp. 433-438.

114. Kovalyova, A., Markovskyy, A., Fadeyeva, T., Rubass, A.

Generation of fractional optical vortices at the edge of the phase wedge

(2013) Proceedings of SPIE - The International Society for Optical Engineering, 9066, art. no. 90660G, .

115. Egorov, Yu.A., Konovalenko, V.L., Zinovev, A.O., Anischenko, P.M., Glumova, M.V.

Propagation optical quarks after an uniaxial crystal: The experiment

(2013) Proceedings of SPIE - The International Society for Optical Engineering, 9066, art. no. 90660B, .

116. Shvets, Y.Y.

Methodical approaches to management of structuring and integration of innovative subjects

(2013) Actual Problems of Economics, 143 (5), pp. 168-175.

117. Dzedolik, I.V., Karakchieva, O.S.

Properties of polaritons in nonlinear dielectric medium

(2013) Workshop Proceedings - 2nd International Workshop "Nonlinear Photonics", NLP 2013, art. no. 6646379, pp. 27-29.

118. Fadeyeva, T., Ivanov, M., Borysova, K., Borysov, A., Rubass, A.

Evolution of symmetric and asymmetric optical beam arrays passing along optical axis of uniaxial crystal

(2013) Proceedings of SPIE - The International Society for Optical Engineering, 9066, art. no. 90660D.

119. Shvets, Y.Y.

Organizational and methodological aspects of an integrated system of innovative development management

(2013) Actual Problems of Economics, 141 (3), pp. 96-101.

120. Zabolotnov, V.A., Kobets, T.V., Rybalka, A.N., Yakovenko, V.V.

Menstrual function in obese adolescent girls

(2013) Giornale Italiano di Ostetricia e Ginecologia, 35 (1), pp. 368-369.

121. Khodakov, G.V.

Triterpene and steroidal glycosides of the genus *Melilotus* and their genins. VI. Melilotoside A₂ and adzukisaponin v from the roots of *M. tauricus*

(2013) Chemistry of Natural Compounds, 48 (6), pp. 1024-1026.

122. Dzedolik, I.V., Karakchieva, O.

Nonlinear vector and scalar polariton waves in dielectric medium

(2013) Journal of the Optical Society of America B: Optical Physics, 30 (4), pp. 843-850.

123. Vishnevskii, V., Berzhansky, V., Mikhailov, V., Pankov, F., Nedviga, A., Nesteruk, A.

Magneto-optic eddy current microscopy based on garnet films

(2013) Solid State Phenomena, 200, pp. 245-249.

124. Fedosov, M.I., Kubyshkin, A.V., Zhukova, A.A., Fomochkina, I.I.

Use of proteinase inhibitors and antioxidants for pharmacological correction of experimental reperfusion syndrome

(2013) New Armenian Medical Journal, 7 (2), pp. 60-65.

125. Sokolenko, B.V., Rubass, A.F., Lapaeva, S.N., Glymova, M.V., Volyar, A.V.

The evolution of light spin-orbital momentum within the rotated uniaxial crystal near the perpendicular to its optical axis

(2013) Proceedings of SPIE - The International Society for Optical Engineering, 9066, art. no. 90660E.

126. Egorov, Y., Konovalenko, V., Zinovev, A., Nesterova, M., Glumova, M.

Algebra of optical quarks: An experiment

(2013) Proceedings of SPIE - The International Society for Optical Engineering, 9066, art. no. 90660C.

127. Shvets, Y.Y.

Strategic directions in improvement of innovative development management

(2013) Actual Problems of Economics, 145 (7), pp. 65-71.

128. Samokhvalov, V.P., Samokhvalova, O.E., Verbenko, V.A., Verbenko, G.N.

Antipsychotic polypharmacy in czech republic and in ukraine

(2013) Polypharmacy in Psychiatry Practice Volume II: Use of Polypharmacy in the "real world", pp. 31-42.

129. Kostandov, Yu.A., Makarov, P.V., Eremin, M.O., Smolin, I.Yu., Shipovskii, I.E.

Fracture of Compressed Brittle Bodies with a Crack

(2013) International Applied Mechanics, 49 (1), pp. 95-101.

130. Ahramovich, M.V., Chilin, V.I., Muratov, M.A.

Fuglede-Putnam theorem in the algebra of locally measurable operators

(2013) Indian Journal of Mathematics, 55, pp. 13-20.

131. Kovalyova, A., Markovsky, A., Fadeyeva, T., Rubass, A.

Generation of fractional optical vortices at the edge of the phase wedge

(2013) Workshop Proceedings - 2nd International Workshop "Nonlinear Photonics", NLP 2013, art. no. 6646386, pp. 46-47.

132. Fridman, Yu.A., Kosmachev, O.A., Klevets, Ph.N.

Spin nematic and orthogonal nematic states in S=1 non-Heisenberg magnet

(2013) Journal of Magnetism and Magnetic Materials, 325, pp. 125-129.

133. Muratov, M., Pashkova, J., Rubshtein, B.-Z.

Order convergence ergodic theorems in rearrangement invariant spaces

(2013) Operator Theory: Advances and Applications, 227, pp. 123-142.

134. Shvedov, V.G., Hnatovsky, C., Shostka, N., Krolikowski, W.
Generation of vector bottle beams with a uniaxial crystal
(2013) Journal of the Optical Society of America B: Optical Physics, 30 (1), pp. 1-6.
135. Yatsenko, A.V., Pritulenko, A.S., Yevdokimov, S.V., Sugak, D.Y., Solskii, I.M.
The peculiarities of the electrical conductivity of LiNbO_3 crystals, reduced in hydrogen
(2013) Solid State Phenomena, 200, pp. 193-198.
136. Gladilina, E.V., Kovtun, O.A., Kondakov, A.A., Syomik, A.M., Pronin, K.K., Gol'din, P.E.
Grey seal *Halichoerus grypus* in the Black Sea: The first case of long-term survival of an exotic pinniped
(2013) Marine Biodiversity Records, 6, art. no. e33, .
137. Izdebskaya, Y.V., Desyatnikov, A.S., Assanto, G., Kivshar, Y.S.
Deflection of nematicons through interaction with dielectric particles
(2013) Journal of the Optical Society of America B: Optical Physics, 30 (6), pp. 1432-1437.
138. Fateryga, A.V., Amolin, A.V.
Nesting and biology of *Jucancistrocerus caspicus* (Hymenoptera, Vespidae, Eumeninae)
(2013) Zoologicheskii Zhurnal, 92 (8), pp. 935-940.
139. Berzhansky, V.N., Shaposhnikov, A.N., Karavainikov, A.V., Prokopov, A.R., Mikhailova, T.V., Kharchenko, N.F., Lukienko, I.N., Kharchenko, Y.N., Miloslavskaya, O.V., Kotov, V.A., Belotelov, V.I.
The effect of Faraday rotation enhancement in nanolayered structures of Bi - Substituted iron garnets
(2013) Solid State Phenomena, 200, pp. 233-238.
140. Kovblyuk, M., Marusik, Y., Omelko, M.
On four poorly known species of spiders (Araneae: Gnaphosidae and Lycosidae) described by t. thorell from crimea
(2013) Acta Zoologica Bulgarica, 65 (4), pp. 423-427.

2012

1. Alexeyev, C.N.
Circular array of anisotropic fibers: A discrete analog of a q plate
(2012) Physical Review A - Atomic, Molecular, and Optical Physics, 86 (6), art. no. 063830.
2. Kovalenko, S.I., Nosulenko, I.S., Alexey, Y., Berest, G.G., Antypenko, L.N., Antypenko, A.N., Katsev, A.M.
Substituted 2-[(2-Oxo-2H-[1,2,4]triazino [2,3-c]quinazolin-6-yl)thio]acetamides with thiazole and thiadiazole fragments: Synthesis, physicochemical properties, cytotoxicity, and anticancer activity
(2012) Scientia Pharmaceutica, 80 (4), pp. 837-865.
3. Aliyeva, T.A., Éismont, E.V., Pavlenko, V.B.
Ontogenetic modifications of evoked EEG activity in 6- to 16-year-old children and teenagers
(2012) Neurophysiology, 44 (6), pp. 479-486.
4. Zalata, O.A.
Correlations of the characteristics of event-related potentials with the contents of some chemical elements in the organism of urban teenager residents (According to a Longitudinal Observation)
(2012) Neurophysiology, 44 (6), pp. 496-498.
5. Lemtyuzhnikova, D., Sviridenko, A., Shcherbina, O.
On local elimination algorithms for sparse discrete optimization problems
(2012) 2012 4th International Conference "Problems of Cybernetics and Informatics", PCI 2012 - Proceedings, art. no. 6486427.
6. Zakora, D.
A symmetric model of viscous relaxing fluid. An evolution problem
(2012) Journal of Mathematical Physics, Analysis, Geometry, 8 (2), pp. 190-206.
7. Temur'yants, N.A., Demtsun, N.A., Kostyuk, A.S., Yarmolyuk, N.S.

Specific features of the planarian *Dugesia tigrina* regeneration and mollusk *Helix albescens* nociception under weak electromagnetic shielding

(2012) *Izvestiya - Atmospheric and Ocean Physics*, 48 (7), pp. 761-770.

8. Sitshayeva, L.

Features of development of corporate taxation in Europe

(2012) *World Applied Sciences Journal*, 18 (SPL.ISSUE. 18), pp. 118-127.

9. Vishnevskii, V., Berzhansky, V., Mikhailov, V., Pankov, F., Nedviga, A., Nesteruk, A.

Magneto-optic eddy current introscopy based on garnet films

(2012) *International Conference on Oxide Materials for Electronic Engineering, OMEE 2012*, art. no. 6464734, pp. 259-260.

10. Vladimirsky, B.M.

Grand minima of solar activity and sociodynamics of culture

(2012) *Izvestiya - Atmospheric and Ocean Physics*, 48 (7), pp. 738-746.

11. Pekhimenko, G.V., Kuchmerovska, T.M.

Peculiarities of secondary structure of serum albumin of some representatives of the animal kingdom

(2012) *Ukrain'skyi Biokhimichnyi Zhurnal*, 84 (3), pp. 65-75.

12. Fridman, Yu.A., Klevets, F.N., Gorelikov, G.A., Meleshko, A.G.

Phase states of a 2D easy-plane ferromagnet with strong inclined anisotropy

(2012) *Journal of Experimental and Theoretical Physics*, 115 (6), pp. 1012-1019.

13. Berzhansky, V., Shaposhnikov, A., Karavainikov, A., Prokopov, A., Mikhailova, T., Lukienko, I., Kharchenko, Y., Miloslavskaya, O., Kharchenko, N.

The effect of FR enhancement in reactive ion beam sputtered Bi, Gd, Al-substituted iron-garnets: $\text{Bi}_{2-x}\text{O}_3$ nanocomposite films (2012) *International Conference on Oxide Materials for Electronic Engineering, OMEE 2012*, art. no. 6464735, pp. 257-258.

14. Lekar', A.V., Vetrova, E.V., Borisenko, N.I., Yakovishin, L.A., Grishkovets, V.I.

Mass spectrometric study on plant glycosides molecular complexation with streptocid (sulfanylamide)

(2012) *Russian Journal of Bioorganic Chemistry*, 38 (7), pp. 749-752.

15. Yatsenko, A.V., Pritulenko, A.S., Yevdokimov, S.V., Sugak, D.Y., Sol'skii, I.M.

The peculiarities of the electrical conductivity of LiNbO_3 crystals, reduced in hydrogen

(2012) *International Conference on Oxide Materials for Electronic Engineering, OMEE 2012*, art. no. 6464807, pp. 157-158.

16. Kovblyuk, M.K., Otto, S., Marusik, Y.M., Ponomarev, A.V.

Redescription of the Caucasian species *Geolycosa charitonovi* (Mcheidze, 1997) (Araneae: Lycosidae), with the first description of the male

(2012) *Bulletin of the British Arachnological Society*, 15 (8), pp. 245-252.

17. Yevdokimov, S.V., Yatsenko, A.V., Sugak, D.Y., Sol'skii, I.M.

^{93}Nb NMR investigation and computer simulation of the Mg ion localization in LiNbO_3

(2012) *International Conference on Oxide Materials for Electronic Engineering, OMEE 2012*, art. no. 6464806, pp. 159-160.

18. Kovblyuk, M.M., Marusik, Y.M.

First description of the female of the theridiid spider *Robertus golovatchi* (Araneae: Theridiidae)

(2012) *Arachnologische Mitteilungen*, (44), pp. 17-19.

19. Arsenitchev, S.P., Ahramovich, L.N., Glumova, M.V., Grigoriev, E.V., Poletaev, D.A., Taran, E.P.

Metal-dielectric plate waveguide filter

(2012) *CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings*, art. no. 6336087, pp. 541-542.

20. Asanov, E.E., Kilessa, G.V., Zuev, S.A., Slipchenko, N.I.

Model of ohmic contact in mesfet with large particle calculation method

- (2012) CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings, art. no. 6335925, pp. 155-156.
21. Arsenichev, S.P., Ahramovich, L.N., Glumova, M.V., Poletaev, D.A., Starostenko, V.V., Taran, Y.P.
Distribution of currents at diffraction on metal dielectric structures in a waveguide
(2012) CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings, art. no. 6336077, pp. 518-519.
22. Mazinov, A.C., Bahov, V.A., Karavainikov, A.V.
Influence of the thickness of nanosized silicon nitride films on a stoichiometric composition
(2012) CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings, art. no. 6336152, pp. 695-696.
23. Lukyanova, E.A., Derezaa, A.V.
Investigating single-type structural elements of a component Petri net during component modeling and analysis of a complex system with parallelism
(2012) Cybernetics and Systems Analysis, 48 (6), pp. 823-831.
24. Meshkova, S.B., Kiriya, A.V., Gusev, A.N., Nischimenko, G.A., Shul'gin, V.F.
IR luminescence of mixed-ligand complexes of Nd(III), Yb(III), and Er(III) with dibenzoylmethane and 1,2,4-triazoles
(2012) Journal of Applied Spectroscopy, 79 (5), pp. 708-713.
25. Yatsenko, A.V., Yevdokimov, S.V., Pritulenko, A.S., Sugak, D.Y., Solskii, I.M.
Electrical properties of LiNbO_3 crystals reduced in a hydrogen atmosphere
(2012) Physics of the Solid State, 54 (11), pp. 2231-2235.
26. Dolomatov, S.I., Zukow, W., Novikov, N.Y., Muszkiet, R., Bulatowicz, I., Dzierzanowski, M., Kazmierczak, U., Strojek, K.
The regulation of osmotic and ionic balance in fish reproduction and in the early stages of ontogeny
(2012) Russian Journal of Marine Biology, 38 (5), pp. 365-374.
27. Vlasova, A.N.
The management of river basins and the Black Sea coastal zone by landscape planning instruments (The Crimea, the Voron river basin as an example)
(2012) Turkish Journal of Fisheries and Aquatic Sciences, 12 (SPL.ISS.12), pp. 535-537.
28. Gol'din, E.
Biologically active microalgae and cyanobacteria in nature and marine biotechnology
(2012) Turkish Journal of Fisheries and Aquatic Sciences, 12 (SPL.ISS.12), pp. 423-427.
29. Edelman, I., Malakhovskii, A., Sokolov, A., Sukhachev, A., Zabluda, V., Yagupov, S., Strugatsky, M., Postivey, N., Seleznyova, K.
Optical and magneto-optical properties of $\text{Fe}_x\text{Ga}_{1-x}\text{B}_3$ crystals
(2012) Functional Materials, 19 (2), pp. 163-166
30. Efetov, K.A.
On the type series of *Zygaena* (*Agrumenia*) *ferganae* Sheljuzhko, 1941 Lepidoptera: Zygaenidae, Zygaeninae
(2012) Entomologist's Gazette, 63 (4), pp. 241-245.
31. Gusev, A.N., Shul'gin, V.F., Meshkova, S.B., Hasegawa, M., Alexandrov, G.G., Eremenko, I.L., Linert, W.
Structural and photophysical studies on ternary Sm(III), Nd(III), Yb(III), Er(III) complexes containing pyridyltriazole ligands
(2012) Polyhedron, 47 (1), pp. 37-45.
32. Izdebskaya, Ya.V., Rebling, J., Desyatnikov, A.S., Assanto, G., Kivshar, Yu.S.
All-optical switching of a signal by a pair of interacting nematicons
(2012) Optics Express, 20 (22), pp. 24701-24707.
33. Asanov, E.E., Zuyev, S.A., Kilessa, G.V., Slipchenko, N.I.
The influence of bias current upon the frequency characteristics and stability of metal-Schottky gate field-effect transistors(MS-GFET)

(2012) Telecommunications and Radio Engineering (English translation of *Elektrosvyaz and Radiotekhnika*), 71 (15), pp. 1361-1370.

34. Konareva, I.N.

"Coronary" Type of Personality: Peculiarities of the Coherence of Ongoing EEG

(2012) *Neurophysiology*, pp. 1-8. Article in Press.

35. Gusev, A.N., Shulgin, V.F., Meshkova, S.B., Kiryak, A.V., Aleksandrov, G.G., Eremenko, I.L.

Coordination compounds of europium(III) and samarium(III) dibenzoylmethanates with 5-Phenyl-2-(2'-Pyridyl)-7,8-Benzo-6,5-Dihydro-1,3,6-Triaza-indolizine

(2012) *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, 38 (10), pp. 683-686.

36. Preobrazhensky, V., Yevstafyev, O., Pernod, P., Bou Matar, O., Berzhansky, V.

Supercritical dynamics of magnetoelastic wave triad in a solid

(2012) *Physics of Wave Phenomena*, 20 (4), pp. 256-263.

37. Ostapenko, N.V.

Essence and structure of institutional & economic mechanism for support of small business

(2012) *Actual Problems of Economics*, 133 (7), pp. 86-93.

38. Ibragimov, E.E.

The role of intellectual capital in efficient activity of an enterprise

(2012) *Actual Problems of Economics*, 133 (7), pp. 110-117.

39. Yavorsky, M., Brasselet, E.

Polarization and topological charge conversion of exact optical vortex beams at normal incidence on planar dielectric interfaces

(2012) *Optics Letters*, 37 (18), pp. 3810-3812.

40. Lukianova, G., Barsukov, N., Filonenko, T., Vitkus, A., Lasiene, K.

The influence of strongylidae infection on morphological changes of intestinal tissues in horses

(2012) *Veterinarija ir Zootechnika*, 57 (79), pp. 44-48.

41. Konareva, I.N.

"Coronary" type of personality: Peculiarities of the coherence of ongoing EEG

(2012) *Neurophysiology*, 44 (4), pp. 314-321.

42. Alexeyev, C.N.

Generation of optical vortices in spun multihelicoidal optical fibers

(2012) *Applied Optics*, 51 (25), pp. 6125-6129.

43. Nadolny, A.A., Ponomarev, A.V., Kovblyuk, M.M., Dvadenko, K.V.

New data on *Pisaura novicia* (Aranei: Pisauridae) from eastern Europe

(2012) *Arthropoda Selecta*, 21 (3), pp. 255-267.

44. Sviridenko, A., Shcherbina, O.

Benchmarking ordering techniques for nonserial dynamic programming

(2012) *Memetic Computing*, 4 (3), pp. 201-208.

45. Tchemeris, A.N., Kovblyuk, M.M.

A new species of the genus *Giljarovia* Kratochvil, 1959 (Arachnida: Opiliones: Nemastomatidae) from the Crimea

(2012) *Arthropoda Selecta*, 21 (3), pp. 243-246.

46. Popov, V.V., Gomonay, H.V., Berzhansky, V.N.

The effect of elastic stresses on super-high-frequency magnetic impedance of amorphous magnetic microwires

(2012) *Technical Physics Letters*, 38 (8), pp. 719-722.

47. Kovblyuk, M.M., Marusik, Y.M., Omelko, M.M.

A survey of Transcaucasian *Diplocephalus* sensu lato (Aranei: Theridiidae) with a description of new species

(2012) *Arthropoda Selecta*, 21 (3), pp. 247-254.

48. Runovski, K., Schmeisser, H.-J.

- Smoothness and function spaces generated by homogeneous multipliers
(2012) *Journal of Function Spaces and Applications*, art. no. 643135.
49. Alexeyev, C.N.
Are optical vortices robust in twisted fibres?
(2012) *Journal of Optics (United Kingdom)*, 14 (8), art. no. 085702.
50. Novikov, N., Dolomatov, S., Zukow, W., Volyanskaya, A., Napierala, M., Hagner-Derengowska, M., Kazmierczak, U., Skaliy, A.
Pathogenetic mechanisms of posttraumatic fibrosis of the uterus of white rats
(2012) *Central European Journal of Medicine*, 7 (4), pp. 503-510.
51. Butrim, V.I., Moiseyenko, D.D.
Magnon damping in spin nematic state near antiferromagnetic critical point
(2012) *Functional Materials*, 19 (2), pp. 260-265.
52. Pertel, S.S., Kononov, L.O., Zinin, A.I., Chirva, V.J., Kakayan, E.S.
Synthesis of some 2-alkoxy glyco-[2,1-d]-2-oxazolines and evaluation of their glycosylation reactivity
(2012) *Carbohydrate Research*, 356, pp. 172-179.
53. Chupakhina, T.A., Katsev, A.M., Kur'yanov, V.O.
Synthesis and investigation of antimicrobial activity of 8-hydroxyquinoline glucosaminides
(2012) *Russian Journal of Bioorganic Chemistry*, 38 (4), pp. 422-427.
54. Butrim, V.I., Ivanov, B.A., Kosmachev, O.A., Fridman, Y.A.
Temperature dependence of static and dynamic properties of an anisotropic ferrimagnet
(2012) *Physics of the Solid State*, 54 (7), pp. 1363-1369.
55. Kovblyuk, M.M., Kastrygina, Z.A., Omelko, M.M.
A review of the spider genus *Haplodrassus* Chamberlin, 1922 in Crimea (Ukraine) and adjacent areas (Araneae, Gnaphosidae)
(2012) *ZooKeys*, 205, pp. 59-89.
56. Britavskiy, N.E., Andrievsky, S.M., Tsymbal, V.V., Korotin, S.A., Martin, P., Andrievska, A.S.
Chemical composition of semi-regular variable giants. III.
(2012) *Astronomy and Astrophysics*, 542, art. no. A104.
57. Khimich, N.V., Gordienko, A.I.
Avidity and competitive inhibition of binding native and chaotropically modified immunoglobulins with protein and glycolipid antigens
(2012) *Ukrain'skyi Biokhimichnyi Zhurnal*, 84 (3), pp. 26-30.
58. Michez, D., Kuhlmann, M., Ivanov, S.P., Radchenko, V.G.
Description of four new species in the bee genus *Melitta* Kirby, 1802 (Hymenoptera: Melittidae)
(2012) *Zootaxa*, (3337), pp. 57-67.
59. Cheretayev, I.V., Korenyuk, I.I., Khusainov, D.R., Katyushina, O.V., Gamma, T.V., Kolotilova, O.I.
Mechanisms underlying the effects of salicylic acid and its salts on *Helix* neurons
(2012) *Neurophysiology*, 44 (2), pp. 153-156.
60. Kovblyuk, M.M., Kastrygina, Z.A.
Redescription of little-known gnaphosid spider *Talanites strandi* Spassky, 1940 (Aranei: Gnaphosidae) from Crimea
(2012) *Arthropoda Selecta*, 21 (2), pp. 187-190.
61. Konareva, I.N.
Peculiarities of the coherence of resting-state EEG activity in subjects with different levels of aggressiveness
(2012) *Neurophysiology*, 44 (2), pp. 144-152.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0>
62. Shvedov, V.G., Hnatovsky, C., Shostka, N., Rode, A.V., Krolikowski, W.
Optical manipulation of particle ensembles in air

- (2012) Optics Letters, 37 (11), pp. 1934-1936.
63. Shaposhnikov, A.N., Karavainikov, A.V., Prokopov, A.R., Berzhansky, V.N., Salyuk, O.Y.
Bi-substituted iron garnet films for one-dimensional magneto-phonic crystals: Synthesis and properties
(2012) Materials Research Bulletin, 47 (6), pp. 1407-1411.
64. Slipchenko, N.I., Starostenko, V.V., Taran, E.P., Glumova, M.V.
Irreversible processes in conducting films of metaldielectric structures subjected to the influence of strong electromagnetic fields
(2012) Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika), 71 (7), pp. 667-675.
65. Cheretayev, I.V., Korenyuk, I.I., Khusainov, D.R., Katyushina, O.V., Gamma, T.V., Kolotilova, O.I.
Mechanisms Underlying the Effects of Salicylic Acid and Its Salts on Helix Neurons - Proceedings of V Congress of the Ukrainian Neuroscience Society (Kyiv, June 6-10, 2011)
(2012) Neurophysiology, pp. 1-4. Article in Press.
66. Konareva, I.N.
Peculiarities of the Coherence of Resting-State EEG Activity in Subjects with Different Levels of Aggressiveness
(2012) Neurophysiology, pp. 1-9. Article in Press.
67. Butrim, V.I., Ivanov, B.A., Fridman, Y.A.
Sublattice magnetization in a two-sublattice ferrimagnetic with single-ion anisotropy in one of the sublattices
(2012) Low Temperature Physics, 38 (5), pp. 395-398.
68. Gusev, A.N., Shul'Gin, V.F., Meshkova, S.B., Doga, P.G., Hasegawa, M., Aleksandrov, G.G., Eremenko, I.L., Linert, W.
Structural and photophysical studies of europium complexes containing triazole ligands
(2012) Inorganica Chimica Acta, 387, pp. 321-326.
69. Tolkacheva, N.V., Shashkov, A.S., Chirva, V.Y.
Steroidal glycosides from *Allium cyrillii* bulbs
(2012) Chemistry of Natural Compounds, pp. 1-4. Article in Press.
70. Efetov, K.A.
Adscita (Procriterna) pligori sp. nov. (Lepidoptera: Zygaenidae, Procridinae) from Afghanistan
(2012) Entomologist's Gazette, 63 (2), pp. 99-105.
71. Fadeyeva, T., Alexeyev, C., Rubass, A., Volyar, A.
Vector erf-Gaussian beams: Fractional optical vortices and asymmetric TE and TM modes
(2012) Optics Letters, 37 (9), pp. 1397-1399.
72. Tolkacheva, N.V., Shashkov, A.S., Chirva, V.Ya.
Steroidal glycosides from *Allium cyrillii* Bulbs
(2012) Chemistry of Natural Compounds, 48 (2), pp. 272-275.
73. Fridman, Yu.A., Klevets, F.N., Gorelikov, G.A.
Effect of tilted anisotropy on Spin states of strongly anisotropic 2D film
(2012) Journal of Experimental and Theoretical Physics, 114 (4), pp. 654-661.
74. Alexeyev, C.N., Fadeyeva, T.A., Lapin, B.P., Yavorsky, M.A.
Topological activity in Bragg elliptical twisted fibers
(2012) Applied Optics, 51 (10).
75. Evstaf'yeva, E.V., Zalata, O.A., Tribat, A.G., Baraban, Yu.A.
Peculiarities of EEG activity under conditions of rhythmic phono- and photostimulation and contents of lead, strontium, and calcium in children living in environmentally disadvantaged areas of Ukraine
(2012) Neurophysiology, 44 (1), pp. 68-75.

76. Fadeyeva, T.A., Alexeyev, C.N., Rubass, A.F., Ivanov, M.O., Zinov'ev, A.O., Konovalenko, V.L., Volyar, A.V.
Rotational spin Hall effect in a uniaxial crystal
(2012) *Applied Optics*, 51 (10).
77. Fadeyeva, T.A., Alexeyev, C.N., Anischenko, P.M., Volyar, A.V.
Engineering of the space-variant linear polarization of vortex-beams in biaxially induced crystals
(2012) *Applied Optics*, 51 (10).
78. Angelsky, O.V., Gbur, G.J., Polyanskii, P., Hanson, S.G., Volyar, A., Zimnyakov, D.A., Mokhun, I.
Emerging correlation optics
(2012) *Applied Optics*, 51 (10).
79. Alexeyev, C.N., Fadeyeva, T.A., Fridman, Y.A., Yavorsky, M.A.
Optical vortices routing in coupled elliptical spun fibers
(2012) *Applied Optics*, 51 (10).
80. Shul'Gin, V.F., Konnik, O.V., Bogomyakov, A.S., Ovcharenko, V.I., Minin, V.V.
Magnetic properties of spacer-armed dinuclear copper(II) complexes
(2012) *Russian Journal of Inorganic Chemistry*, 57 (4), pp. 552-556.
81. Donskoy, V.I.
Complexity of families of learning algorithms and estimation of the nonrandomness of extraction of empirical regularities
(2012) *Cybernetics and Systems Analysis*, pp. 1-9. Article in Press.
82. Berest, G.G., Voskoboynik, O.Y., Kovalenko, S.I., Nosulenko, I.S., Antypenko, L.M., Antypenko, O.M., Shvets, V.M., Katsev, A.M.
Synthesis of new 6-{[ω -(dialkylamino(heterocycl)alkyl]thio}- 3-R-2H-[1,2,4]triazino[2,3-c]quinazoline-2-ones and evaluation of their anticancer and antimicrobial activities
(2012) *Scientia Pharmaceutica*, 80 (1), pp. 37-65.
83. Nadolny, A.A., Kovblyuk, M.M.
Members of *Pardosa amentata* and *P. lugubris* species groups in Crimea and Caucasus with notes on *P. abagensis* (Aranei: Lycosidae)
(2012) *Arthropoda Selecta*, 21 (1), pp. 67-80.
84. Konareva, I.N.
Locus of psychological control and characteristics of the EEG frequency components
(2012) *Neurophysiology*, 43 (6), pp. 459-467.
85. Yatsenko, A.V., Yatsenko, A.A.
Simulation of the OH- group location in the cubic phase of BaTiO₃ crystals
(2012) *Crystallography Reports*, 57 (2), pp. 264-269.
86. Donskoy, V.I.
Complexity of families of learning algorithms and estimation of the nonrandomness of extraction of empirical regularities
(2012) *Cybernetics and Systems Analysis*, 48 (2), pp. 233-241.
87. Simchuk, A.P., Oberemok, V.V., Ivashov, A.V.
Genetics of interactions among moths, their host plants and enemies in Crimean Oak forests, and its perspective for their control
(2012) *Moths: Types, Ecological Significance and Control Methods*, pp. 187-205.
88. Shul'Gin, V.F., Abkhairova, S.V., Konnik, O.V., Meshkova, S.B., Topilova, Z.M., Kiskin, M.A., Eremenko, I.L.
Synthesis, structure, and luminescent properties of lanthanide coordination compounds with 3-methyl-4-formyl-1-phenylpyrazol-5-one
(2012) *Russian Journal of Inorganic Chemistry*, 57 (3), pp. 420-426.
89. Alentiev, D., Kochukhov, O., Ryabchikova, T., Cunha, M., Tsymbal, V., Weiss, W.
Discovery of the longest period rapidly oscillating Ap star HD 177765
(2012) *Monthly Notices of the Royal Astronomical Society: Letters*, 421 (1).

90. Konareva, I.N.
Locus of Psychological Control and Characteristics of the EEG Frequency Components
(2012) *Neurophysiology*, pp. 1-9. Article in Press.
91. Orlov, I.V.
Banach-Zaretsky theorem for compactly absolutely continuous mappings
(2012) *Journal of Mathematical Sciences*, 180 (6), pp. 710-730.
92. Orlov, I.V., Stonyakin, F.S.
The limiting form of the Radon-Nikodym property is true for all Fréchet spaces
(2012) *Journal of Mathematical Sciences*, 180 (6), pp. 731-747.
93. Pershina, K.D., Kokhanenko, V.V., Masliuk, L.N., Kazdobin, K.A.
Energy transformation in water and oxygen-containing electrolytes
(2012) *Surface Engineering and Applied Electrochemistry*, 48 (1), pp. 90-96.
94. Kochkin, D.V., Zaitsev, G.P., Kachala, V.V., Chizhov, A.O., Demidova, E.V., Titova, M.V., Chirva, V.Y., Nosov, A.M., Kuznetsov, V.V.
The occurrence of gypenoside XVII in suspension cell culture of ginseng *Panax japonicus* var. *repens*
(2012) *Doklady Biochemistry and Biophysics*, 442 (1), pp. 42-45.
95. Shul'gin, V.F., Trush, Yu.V., Konnik, O.V., Rusanov, E.B., Zub, V.Ya., Minin, V.V.
Structure and EPR spectra of binuclear copper(II) complexes with acyldihydrazones of benzenedicarboxylic acids and trifluoroacetylacetone
(2012) *Russian Journal of Inorganic Chemistry*, 57 (2), pp. 226-230.
96. Fleishaker, D.L., Garcia Meijide, J.A., Petrov, A., Kohen, M.D., Wang, X., Menon, S., Stock, T.C., Mebus, C.A., Goodrich, J.M., Mayer, H.B., Zeiher, B.G.
Maraviroc, a chemokine receptor-5 antagonist, fails to demonstrate efficacy in the treatment of patients with rheumatoid arthritis in a randomized, double-blind placebo-controlled trial
(2012) *Arthritis Research and Therapy*, 14 (1), art. no. R11.
97. Hnatovsky, C., Shvedov, V.G., Shostka, N., Rode, A.V., Krolikowski, W.
Polarization-dependent ablation of silicon using tightly focused femtosecond laser vortex pulses
(2012) *Optics Letters*, 37 (2), pp. 226-228.
98. Konareva, I.N.
Locus of Psychological Control and Peculiarities of Event-Related EEG Potentials
(2012) *Neurophysiology*, pp. 1-10. Article in Press.
99. Temour'yants, N.A., Kostyuk, A.S.
Role of the Opioid System in the Modulation of Thermonociceptive Sensitivity of Mollusks Affected by Weak Electromagnetic Factors
(2012) *Neurophysiology*, pp. 1-10. Article in Press.
100. Bessalova, E.Yu.
Behavioral Activity and Anxiety of Rats under Open Field Conditions in the Norm and after Parenteral Introductions of Xenogenic Cerebrospinal Fluid
(2012) *Neurophysiology*, pp. 1-8. Article in Press.
101. Kolotilova, O.I., Korenyuk, I.I., Khusainov, D.R., Gamma, T.V., Katyushina, O.V., Cheretayev, I.V., Grishkovets, V.I., Yakovishin, L.A.
Testing of Neurotropic Effects of Viagra
(2012) *Neurophysiology*, pp. 1-5. Article in Press.
102. Konareva, I.N.
Locus of psychological control and peculiarities of event-related EEG potentials
(2012) *Neurophysiology*, 43 (5), pp. 384-393.
103. Bessalova, E.Yu.
Behavioral activity and anxiety of rats under open field conditions in the norm and after parenteral introductions of xenogenic cerebrospinal fluid
(2012) *Neurophysiology*, 43 (5), pp. 369-376.
104. Voytitsky, V.

On some class of self-adjoint boundary value problems with the spectral parameter in the equations and the boundary conditions

(2012) Operator Theory: Advances and Applications, 221, pp. 635-651.

105. Temour'yants, N.A., Kostyuk, A.S.

Role of the opioid system in the modulation of thermonociceptive sensitivity of mollusks affected by weak electromagnetic factors

(2012) Neurophysiology, 43 (5), pp. 355-364.

106. Semikolenova, E.

Gender analysis of school textbooks in Ukraine

(2012) Gender, Politics and Society in Ukraine, pp. 253-281.

107. Gusev, A.N., Shul'gin, V.F., Topilova, Z.M., Meshkova, S.B.

Synthesis, structure, and photoluminescence of 5-phenyl-2-pyridyl-5,6- dihydro[1,2,4]triazolo[1,5-c]quinazolines

(2012) Russian Chemical Bulletin, 61 (1), pp. 95-98.

108. Fateryga, A.V.

Nest structure in four species of solitary wasps of the subfamily Eumeninae (Hymenoptera, Vespidae)

(2012) Zoologicheskii Zhurnal, 91 (10), pp. 1199-1209.

109. Chekhov, V.N., Zakora, S.V.

Stress concentration in a spherical shell with two neighboring circular holes

(2012) Journal of Mathematical Sciences, 180 (2), pp. 91-98.

110. Kolotilova, O.I., Korenyuk, I.I., Khusainov, D.R., Gamma, T.V., Katyushina, O.V., Cheretayev, I.V., Grishkovets, V.I., Yakovishin, L.A.

Testing of neurotropic effects of Viagra

(2012) Neurophysiology, 43 (5), pp. 400-404.

111. Yakovishin, L.A., Lekar, A.V., Vetrova, E.V., Borisenko, N.I., Borisenko, S.N., Grishkovets, V.I.

Molecular complexes of the triterpene glycosides with L-tyrosine and their biological activity

(2012) Biopolymers and Cell, 28 (1), pp. 62-67.

112. Shul'gin, V.F., Sarnit, E.A., Konnik, O.V., Rusanov, E.B., Bogomyakov, A.S., Ovcharenko, V.I., Minin, V.V.

Structure and magnetic properties of the copper(II) complexes with diacyl hydrazides of salicylic acid

(2012) Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 38 (1), pp. 44-49.

113. Subchev, M.A., Koshio, C., Toshova, T.B., Efetov, K.A.

Illiberis (Primilliberis) rotundata Jordan (Lepidoptera: Zygaenidae: Procrinae) male sex attractant: Optimization and use for seasonal monitoring

(2012) Entomological Science, 15 (1), pp. 137-139.

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