

Irina Zakharova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electronic structure, optical and magnetic properties of tetraphenylporphyrins-fullerene molecular complexes. Journal of Physics: Conference Series, 2016, 690, 012012.	0.4	0
2	Photoluminescence spectra of thin films of ZnTPP@C60 and CuTPP@C60 molecular complexes. Semiconductors, 2016, 50, 1191-1197.	0.5	8
3	Obtaining and investigation of C60 semiconductor compounds with a view to create effective solar cells. Journal of Physics: Conference Series, 2015, 661, 012030.	0.4	2
4	X-ray radiation influence on photoluminescence spectra of composite thin films based on C ₆₀ <sub><CdTe>. Journal of Physics: Conference Series, 2015, 586, 012002.	0.4	1
5	Optical spectroscopy of organic materials based on C60<A2B6>. Journal of Physics: Conference Series, 2014, 541, 012021.	0.4	1
6	Gravity concentration of Namibia shelf phosphate rock. Journal of Mining Science, 2014, 50, 399-403.	0.6	2
7	Optical and structural properties of fullerene films doped with cadmium telluride. Physics of the Solid State, 2014, 56, 1064-1070.	0.6	8
8	Ab initio calculations of supramolecular complexes of fullerene C60 with CdTe and CdS. Physics of the Solid State, 2014, 56, 1289-1295.	0.6	3
9	Optical spectroscopy of thin C60:CdS composite films. Semiconductors, 2013, 47, 105-109.	0.5	4
10	Response to "Comment on "Laser controlled magnetism in hydrogenated fullerene films" [J. Appl. Phys. 113, 036101 (2013)]. Journal of Applied Physics, 2013, 113, 036102.	2.5	0
11	Fullerene Based Organic-Inorganic Bulk Heterojunction Exhibiting Rectifying Behavior. Journal of Nanoelectronics and Optoelectronics, 2012, 7, 410-414.	0.5	0
12	Laser controlled magnetism in hydrogenated fullerene films. Journal of Applied Physics, 2011, 109, .	2.5	12
13	Production of apatite concentrate from fine-grain carbonate-silicate technogenic sands. Journal of Mining Science, 2011, 47, 122-126.	0.6	1
14	Nonlinear optical properties of fullerene-porphyrin complexes. Journal of Optical Technology (A) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 22	0.4	7
15	Composite C₆₀CdS Thin Film as a Bulk Heterojunction. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 468-473.	2.1	0
16	Experimental realization of high spin states in dilutely hydrogenated fullerenes. Physica Status Solidi (B): Basic Research, 2009, 246, 2778-2781.	1.5	8
17	Optical properties, electronic band structure, and vibrational spectrum of thin C60-TPP films. Physics of the Solid State, 2009, 51, 1976-1983.	0.6	5
18	Optical Non-Linearity in Thin Films and Solutions of C₆₀<sub><Zn(II) Tetraphenylporphyrin Complexes. Journal of Nanoelectronics and Optoelectronics, 2009, 4, 252-256.	0.5	1

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19	Optical and Vibrational Properties of Thin Film Fullerene-Zn(II) Tetraphenylporphyrin Complexes. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 424-429.	2.1	4
20	Oxygen Effect on Magnetic Properties of Fullerenes. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 574-578.	2.1	8
21	Separation of Intrinsic and Extrinsic Contribution to Fullerene Magnetism. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 567-573.	2.1	3
22	Electronic Structure and Optical Properties of Charge-Transfer Fullerene-Porphyrin Complexes: <i>ab initio</i> Calculations. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 530-533.	2.1	7
23	Proton Bombardment of Hard Carbon. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 381-384.	2.1	1
24	Magnetic Transition in the Polymerized Fullerene Matrix. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 373-380.	2.1	3
25	Magnetic Properties of Polymerized Fullerene Doped with Hydrogen, Fluorine and Oxygen. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 385-389.	2.1	5
26	Interaction of fullerene with single-crystal silicon. Semiconductors, 2005, 39, 983-986.	0.5	1
27	Spin-transfer mechanism of ferromagnetism in polymerized fullerenes: <i>Ab initio</i> calculations. Physical Review B, 2005, 72, .	3.2	24
28	Initial Stage of Condensation of C60 Films on Semiconducting Substrates of Different Chemical Nature. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 537-543.	2.1	3
29	Medium-energy proton irradiation of fullerene films: polymerization, damage and magnetism. AIP Conference Proceedings, 2005, .	0.4	2
30	Effect of a fullerene coating on the photoluminescence of porous silicon. Semiconductors, 2004, 38, 120-123.	0.5	5
31	Magnetism in photopolymerized fullerenes. Carbon, 2003, 41, 1575-1584.	10.3	76
32	Analysis of spectral features of the optical constants of fullerene and halogen-fullerene films near the absorption edge. Physics of the Solid State, 2002, 44, 500-502.	0.6	3
33	Study of intercalated fullerene films by medium-energy ion scattering. Physics of the Solid State, 2002, 44, 503-505.	0.6	0
34	Cluster <i>ab initio</i> calculations for the C60F24, C60Cl24, and C60Br24 halofullerenes. Physics of the Solid State, 2002, 44, 585-587.	0.6	5
35	Optical and electrical properties of C60Tex films. Physics of the Solid State, 2001, 43, 1393-1399.	0.6	5
36	Oriented growth of oxygen-free C60 crystallites on silicon substrates. Physics of the Solid State, 1999, 41, 319-323.	0.6	8

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37	Study of PbTe photodiodes on a buffer sublayer of porous silicon. Semiconductors, 1997, 31, 76-77.	0.5	12