

Oleg A Yeshchenko

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64

papers

962

citations

14

h-index

29

g-index

68

ext. papers

1,088

ext. citations

2.6

avg, IF

4.15

L-index

#	Paper	IF	Citations
64	Size-dependent surface-plasmon-enhanced photoluminescence from silver nanoparticles embedded in silica. <i>Physical Review B</i> , 2009 , 79,	3.3	124
63	Size-dependent melting of spherical copper nanoparticles embedded in a silica matrix. <i>Physical Review B</i> , 2007 , 75,	3.3	120
62	Temperature dependence of the surface plasmon resonance in gold nanoparticles. <i>Surface Science</i> , 2013 , 608, 275-281	1.8	106
61	Influence of annealing conditions on size and optical properties of copper nanoparticles embedded in silica matrix. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 137, 247-254	3.1	75
60	Size and Temperature Effects on the Surface Plasmon Resonance in Silver Nanoparticles. <i>Plasmonics</i> , 2012 , 7, 685-694	2.4	65
59	Surface plasmon as a probe for melting of silver nanoparticles. <i>Nanotechnology</i> , 2010 , 21, 045203	3.4	43
58	Light-Induced Heating of Gold Nanoparticles in Colloidal Solution: Dependence on Detuning from Surface Plasmon Resonance. <i>Plasmonics</i> , 2016 , 11, 345-350	2.4	42
57	Optical properties of sol-gel fabricated Ni/SiO ₂ glass nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1615-1622	3.9	24
56	Temperature Effects on the Surface Plasmon Resonance in Copper Nanoparticles. <i>Ukrainian Journal of Physics</i> , 2013 , 58, 249-259	0.4	24
55	Optical study of ZnP2 nanoparticles in zeolite NaX. <i>Solid State Communications</i> , 2005 , 133, 109-112	1.6	19
54	Surface plasmon enhanced photoluminescence from copper nanoparticles: Influence of temperature. <i>Journal of Applied Physics</i> , 2014 , 116, 054309	2.5	17
53	Optical properties of sol-gel fabricated Co/SiO ₂ nanocomposites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 41, 60-65	3	16
52	Anomalous Inverse Hysteresis of Phase Transition in Thermosensitive Dextran-graft-PNIPAM Copolymer/Au Nanoparticles Hybrid Nanosystem. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 8003-8010	3.8	15
51	Influence of interparticle interaction on melting of gold nanoparticles in Au/polytetrafluoroethylene nanocomposites. <i>Journal of Applied Physics</i> , 2009 , 105, 094326	2.5	15
50	Temperature Dependence of Photoluminescence from Silver Nanoparticles. <i>Plasmonics</i> , 2014 , 9, 93-101	2.4	14
49	Temperature dependence of the surface plasmon resonance in silver nanoparticles. <i>Functional Materials</i> , 2013 , 20, 357-365	0.6	14
48	Enhancement of Raman Scattering and Exciton/Trion Photoluminescence of Monolayer and Few-Layer MoS ₂ by Ag Nanoprisms and Nanoparticles: Shape and Size Effects. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 4119-4132	3.8	13

47	Surface Plasmon Modes of Sandwich-Like Metal-Dielectric Nanostructures. <i>Plasmonics</i> , 2015 , 10, 655-665	2.4	12
46	Surface plasmon enhanced photoluminescence from fullerene C60 film on Au nanoparticles array: Resonant dependence on excitation frequency. <i>Journal of Applied Physics</i> , 2012 , 111, 124327	2.5	12
45	Gold nanoparticle plasmon resonance in near-field coupled Au NPs layer/Al film nanostructure: Dependence on metal film thickness. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2018 , 29, 1-7	2.6	11
44	Electrodynamic coupling in regular arrays of gold nanocylinders. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 045102	3	11
43	Surface Plasmon as a Probe of Local Field Enhancement. <i>Plasmonics</i> , 2009 , 4, 115-119	2.4	11
42	Photoluminescence of rhodamine 6G in plasmonic field of Au nanoparticles: Temperature effects. <i>Journal of Luminescence</i> , 2015 , 158, 294-300	3.8	9
41	Biexcitonic liquid in monoclinic zinc diphosphide crystals. <i>Solid State Communications</i> , 1996 , 98, 489-493	1.6	9
40	Study of Excitonic Molecules in Monoclinic Zinc Diphosphide Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1995 , 191, 337-344	1.3	8
39	Sub-micron and nanosized features in laser-induced periodic surface structures. <i>Indian Journal of Physics</i> , 2019 , 93, 495-502	1.4	8
38	Laser-Induced Periodic Ag Surface Structure with Au Nanorods Plasmonic Nanocavity Metasurface for Strong Enhancement of Adenosine Nucleotide Label-Free Photoluminescence Imaging. <i>ACS Omega</i> , 2020 , 5, 14030-14039	3.9	7
37	Plasmonic Nanocavity Metasurface Based on Laser-Structured Silver Surface and Silver Nanoprisms for the Enhancement of Adenosine Nucleotide Photoluminescence. <i>ACS Applied Nano Materials</i> , 2019 , 2, 7152-7161	5.6	7
36	Multiserial Structure of Excitonic Energy Spectrum in Monoclinic ZnP2 Crystal. <i>Physica Status Solidi (B): Basic Research</i> , 1998 , 207, 171-181	1.3	7
35	Radiative transitions in an excitonic molecule. <i>Solid State Communications</i> , 1996 , 98, 941-945	1.6	7
34	Light-induced heating of dense 2D ensemble of gold nanoparticles: dependence on detuning from surface plasmon resonance. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	6
33	Surface Plasmon Resonance in Monolayer of Ni Nanoparticles/Dielectric Spacer/Au (Ni) Film Nanostructure. <i>Ukrainian Journal of Physics</i> , 2018 , 63, 386	0.4	6
32	Aggregation Processes in Hybrid Nanosystem Polymer/Nanosilver/Cisplatin. <i>Ukrainian Journal of Physics</i> , 2018 , 63, 513	0.4	6
31	Surface plasmon resonance in electrodynamically coupled Au NPs monolayer/dielectric spacer/Al film nanostructure: tuning by variation of spacer thickness. <i>Materials Research Express</i> , 2017 , 4, 106401	1.7	5
30	Optically induced anisotropy of surface plasmons in spherical metal nanoparticles. <i>Physical Review B</i> , 2010 , 82,	3.3	5

29	Optical properties of sol-gel fabricated Mn/SiO ₂ nanocomposites: Observation of surface plasmon resonance in Mn nanoparticles. <i>Applied Surface Science</i> , 2008 , 254, 2736-2742	6.7	5
28	Ions of excitonic molecule in β -ZnP ₂ crystals. <i>Solid State Communications</i> , 1996 , 100, 1-5	1.6	5
27	Synthesis, Morphology, and Optical Properties of Au/CdS Hybrid Nanocomposites Stabilized by Branched Polymer Matrices. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-9	3.2	5
26	Planar plasmonic nanocavity for efficient enhancement of photoluminescence of molecular emitters. <i>Optical Materials</i> , 2019 , 94, 348-355	3.3	4
25	Towards sensor applications of a polymer/Ag nanoparticle nanocomposite film.. <i>RSC Advances</i> , 2019 , 9, 8498-8506	3.7	4
24	Photoluminescence of Fullerene C ₆₀ Thin Film in Plasmon-Coupled Monolayer of Au Nanoparticles [C ₆₀ Film [Al Film Nanostructure. <i>Plasmonics</i> , 2018 , 13, 1325-1333	2.4	4
23	Laser-Driven Hybridization of a Surface Plasmon Resonance Collective Mode in a Monolayer of Silver Nanoparticles. <i>Plasmonics</i> , 2017 , 12, 1571-1580	2.4	4
22	Antibacterial hybrid hydrogels loaded with nano silver. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	4
21	Laser-driven structural transformations in dextran-PNIPAM copolymer/Au nanoparticles hybrid nanosystem: the role of plasmon heating and attractive optical forces.. <i>RSC Advances</i> , 2018 , 8, 38400-38409	2.7	4
20	Plasmonic Metasurfaces with Tunable Gap and Collective Surface Plasmon Resonance Modes. <i>Journal of Physical Chemistry C</i> , 2019 ,	3.8	3
19	Optical spectra and structure of CdP ₄ nanoclusters fabricated by incorporation into zeolite and laser ablation. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 20215-9	3.4	3
18	Pentazadienes as New Photoinitiators in the Development of New Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 427, 169/[481]-179/[491]	0.5	3
17	Optical properties and structure of most stable subnanometer (ZnAs ₂) _n clusters. <i>Physica B: Condensed Matter</i> , 2005 , 368, 8-15	2.8	3
16	Laser-Driven Aggregation in Dextran-Graft-PNIPAM/Silver Nanoparticles Hybrid Nanosystem: Plasmonic Effects. <i>Ukrainian Journal of Physics</i> , 2020 , 65, 254	0.4	3
15	Temperature Driven Plasmon-Exciton Coupling in Thermoresponsive Dextran-Graft-PNIPAM/Au Nanoparticle/CdTe Quantum Dots Hybrid Nanosystem. <i>Plasmonics</i> , 2021 , 16, 1137-1150	2.4	3
14	Hybrid Nanocomposites Synthesized into Stimuli Responsible Polymer Matrices: Synthesis and Application Prospects. <i>Springer Proceedings in Physics</i> , 2019 , 167-185	0.2	2
13	Sensing the temperature influence on plasmonic field of metal nanoparticles by photoluminescence of fullerene C ₆₀ in layered C ₆₀ /Au system. <i>Journal of Applied Physics</i> , 2015 , 117, 153102	2.5	2
12	Fabrication, study of optical properties and structure of most stable (CdP ₂) _n nanoclusters. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 30, 25-30	3	2

11	Plasmonic Coupling Effects in Arrays of Noble Metal Nanoparticles. <i>International Journal of Behavioral and Consultation Therapy</i> , 2019 , 285-320	0.6	2
10	Change in the resonance frequency of surface plasmons in copper nanoparticles excited by femtosecond laser pulses. <i>JETP Letters</i> , 2008 , 88, 41-44	1.2	1
9	Quantum biexcitonic liquid in monoclinic ZnP ₂ crystals. <i>Low Temperature Physics</i> , 2001 , 27, 498-503	0.7	1
8	Plasmonic enhancement of the antibacterial photodynamic efficiency of a zinc tetraphenylporphyrin photosensitizer/dextran polyacrylamide anionic copolymer/Au nanoparticles hybrid nanosystem.. <i>RSC Advances</i> , 2021 , 12, 11-23	3.7	1
7	Plasmonic enhancement of exciton and trion photoluminescence in 2D MoS ₂ decorated with Au nanorods: Impact of nonspherical shape. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022 , 140, 115213	3	1
6	Excitons and excitonic molecules in mixed Zn(P _{1-x} As _x) ₂ crystals. <i>Physica B: Condensed Matter</i> , 2001 , 307, 231-238	2.8	0
5	Optical recording in copper-silica nanocomposite. <i>Applied Surface Science</i> , 2014 , 302, 66-68	6.7	
4	Photoluminescence from Silver Nanoparticles Enhanced by Surface Plasmon Resonance. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1208, 1		
3	Optical spectra and structure of (ZnAs ₂) _n subnanoclusters fabricated by incorporation into zeolite and laser ablation. <i>Materials Science and Engineering C</i> , 2007 , 27, 1364-1367	8.3	
2	Comparison study of energy bands and Wannier-Mott excitons in mixed Zn(P As) and Zn Cd P crystals. <i>European Physical Journal B</i> , 2002 , 28, 37-43	1.2	
1	Influence of substitution of P by As on exciton and biexciton states in Zn(P _{1-x} As _x) ₂ crystals. <i>Physica B: Condensed Matter</i> , 2001 , 308-310, 1031-1034	2.8	