Oleksandr F Kolomys

List of Publications by Year
in descending order

46	297	1040056 9	1199594 12
papers	citations	h-index	g-index

47	47	47	362
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural, optical and magnetic properties of stencil-free printed ZnO layers doped with Fe2+ and Fe3+ ions. Materials Chemistry and Physics, 2022, 276, 125329.	4.0	3
2	Properties of nanosized Î–nO: Ho films deposited using explosive evaporation. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2021, 24, 139-147.	1.0	5
3	Paramagnetism and super paramagnetism of nanocrystalline titanium dioxide powders. Journal of Magnetism and Magnetic Materials, 2021, 529, 167905.	2.3	3
4	Magnetic and optical properties of printed ZnO:Co polycrystalline layers. Materials Science in Semiconductor Processing, 2021, 135, 106054.	4.0	9
5	Atomic force microscopy and Raman spectroscopy of Pb1â^'xSnxTe surfaces polished after treatment with H2O2â€“HBrâ€“ethylene glycol etchants. Applied Nanoscience (Switzerland), 2020, 10, 2717-2722.	3.1	0
6	Modification of elastic deformations and analysis of structural and optical changes in Ar+-implanted AlN/GaN superlattices. Applied Nanoscience (Switzerland), 2020, 10, 2479-2487.	3.1	9
7	Transformations in the photoluminescent, electrical and structural properties of Tb3+ and Eu3+ co-doped ZnO films under high-temperature annealing. Journal of Luminescence, 2020, 217, 116739.	3.1	9
8	Raman and Photoluminescence Study of Al,Nâ€Codoped ZnO Films Deposited at Oxygenâ€Rich Conditions by Magnetron Sputtering. Physica Status Solidi (B): Basic Research, 2020, 257, 1900788.	1.5	7
9	Influence of microwave radiation on relaxation processes in silicon carbide. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2020, 23, 175-179.	1.0	1
10	Mn Distribution in ZnO:Mn Ceramics: Influence of Sintering Process and Thermal Annealing. ECS Journal of Solid State Science and Technology, 2020, 9, 103001.	1.8	2
11	Influence of annealing on luminescence and energy transfer in ZnO multilayer structure co-doped with Tb and Eu. Thin Solid Films, 2019, 692, 137634.	1.8	5
12	Photoluminescence, conductivity and structural study of terbium doped ZnO films grown on different substrates. Materials Science in Semiconductor Processing, 2019, 94, 51-56.	4.0	12
13	The effect of Zn3N2 phase decomposition on the properties of highly-doped ZnO: Al, N films. Thin Solid Films, 2019, 669, 605-612.	1.8	8
14	Formation of the InAs-, InSb-, GaAs-, and GaSb-polished surface. Applied Nanoscience (Switzerland), 2018, 8, 949-953.	3.1	5
15	Optical and structural properties of individual Co-doped ZnO microwires. Superlattices and Microstructures, 2018, 118, 7-15.	3.1	9
16	The Effect of High Temperature Annealing on the Photoluminescence of ZnMgO Alloys. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800250.	1.8	6
17	Optical and structural study of deformation states in the GaN/AlN superlattices. Journal of Applied Physics, 2017, 122, .	2.5	11
18	Ferromagnetic and antiferromagnetic orderings in wurtzite diluted magnetic nanostructures. Physica B: Condensed Matter, 2017, 522, 7-14.	2.7	0

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19	Morphology, structure, and mechanical properties of the surface of PbTe crystals after etching with H2O2â€“HBrâ€“ethylene glycol solutions. Inorganic Materials, 2017, 53, 1233-1239.	0.8	1
20	Molecular vibrations, activation energies of trapped carriers and additional structure in thermoluminescence of organic polymers. Synthetic Metals, 2017, 234, 117-124.	3.9	5
21	Synthesis and properties of zinc oxide photocatalyst by high-temperature processing of resorcinol-formaldehyde/zinc acetate mixture. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 334, 36-46.	3.9	20
22	Solar Explosive Evaporation Growth of ZnO Nanostructures. Applied Sciences (Switzerland), 2017, 7, 383.	2.5	9
23	Field emission properties of pointed cathodes based on graphene films on SiC. Journal of Superhard Materials, 2016, 38, 235-240.	1.2	13
24	Optical and structural properties of Mn-doped ZnO nanorods grown by aqueous chemical growth for spintronic applications. Thin Solid Films, 2016, 601, 22-27.	1.8	9
25	Effect of strain-polarization fields on optical transitions in AlGaN/GaN multi-quantum well structures. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 76, 140-145.	2.7	8
26	Interaction of Optical Vibrations With Charge Traps and the Thermoluminescence Spectra of Polymers. Ukrainian Journal of Physics, 2016, 61, 531-536.	0.2	3
27	Structural and Luminescent Properties of (Y,Cu)-Codoped Zirconia Nanopowders. ECS Journal of Solid State Science and Technology, 2015, 4, N103-N110.	1.8	10
28	Studies of the ceramic material produced by pressureless sintering from the AlN-Y2O3-(Si-C) powder composition using electron microscopy, Raman spectroscopy and measurements of the thermal conductivity and microwave radiation. Journal of Superhard Materials, 2015, 37, 73-81.	1.2	1
29	Micro-Raman and micro-photoluminescence study of bio-conjugated coreâ€“shell CdSe/ZnS nanocrystals. Physica B: Condensed Matter, 2014, 453, 75-80.	2.7	1
30	Nanostructured Y-doped ZrO2 powder: peculiarities of light emission under electron beam excitation. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1417-1422.	0.8	9
31	Swift Xe ion irradiation effect on structure and vibrational properties of undoped and Cdâ€doped ZnO films. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1435-1438.	0.8	4
32	Influence of annealing in Zn vapor on the luminescence of MgZnO ceramics. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1485-1487.	0.8	1
33	Structure and light emission of Si-rich Al2O3 and Si-rich-SiO2 nanocomposites. Microelectronic Engineering, 2014, 125, 62-67.	2.4	4
34	Comparative characteristics of the Raman scattering spectra of graphene films on conductive and semi-insulating 6H-SiC substrates. Semiconductors, 2013, 47, 812-814.	0.5	13
35	Si-rich Al2O3 films grown by RF magnetron sputtering: structural and photoluminescence properties versus annealing treatment. Nanoscale Research Letters, 2013, 8, 273.	5.7	10
36	The influence of annealing on structural and photoluminescence properties of silicon-rich Al2O3 films prepared by co-sputtering. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 51, 115-119.	2.7	10

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37	The mechanism of the photoluminescence changes in bio-conjugated CdSe/ZnS quantum dots. Applied Surface Science, 2013, 281, 79-83.	6.1	6
38	Photoluminescence Spectroscopy of Neutron-Irradiated Cubic SiC Crystals. Materials Science Forum, 2013, 740-742, 417-420.	0.3	4
39	Submicron Raman and photoluminescence topography of InAs/Al(Ga)As quantum dots structures. Applied Surface Science, 2012, 260, 47-50.	6.1	1
40	Transformation of a SiC/por-SiC/TiO2 structure during rapid thermal annealing. Semiconductors, 2012, 46, 1221-1224.	0.5	4
41	The effect of bio-conjugation on aging of the photoluminescence in CdSeTeâ€“ZnS coreâ€“shell quantum dots. Superlattices and Microstructures, 2012, 51, 353-362.	3.1	11
42	X-ray diffraction analysis and scanning micro-Raman spectroscopy of structural irregularities and strains deep inside the multilayered InGaN/GaN heterostructure. Semiconductors, 2010, 44, 1199-1210.	0.5	6
43	Molecular ruler based on concurrent measurements of enhanced Raman scattering and fluorescence. Optics Letters, 2010, 35, 3808.	3.3	6
44	Polarized Raman spectroscopy and X-ray diffuse scattering in InGaAs/GaAs(100) quantum-dot chains. Journal of Materials Science: Materials in Electronics, 2008, 19, 692-698.	2.2	4
45	Two-dimensional ordering of (In,Ga)As quantum dots in vertical multilayers grown on GaAs(100) and (n11). Applied Physics Letters, 2007, 91, .	3.3	15
46	Comparative Investigation of Structural and Optical Properties of Si-Rich Oxide Films Fabricated by Magnetron Sputtering. Advanced Materials Research, 0, 854, 117-124.	0.3	2