

Gennady N Panin

List of Publications by Year in descending order

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all docs

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docs citations

77
times ranked

1645
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Dimensional Layered Light-Sensitive Memristive Structures for Energy-Efficient Machine Vision. Electronics (Switzerland), 2022, 11, 619.	1.8	1
2	Optoelectronic dynamic memristor systems based on two-dimensional crystals. Chaos, Solitons and Fractals, 2021, 142, 110523.	2.5	11
3	Redox processes in graphene oxide for storing and converting energy. AIP Conference Proceedings, 2021, , .	0.3	0
4	Direct patterning of reduced graphene oxide/graphene oxide memristive heterostructures by electron-beam irradiation. Journal of Materials Science and Technology, 2020, 38, 237-243.	5.6	18
5	Atmospheric adsorption on pristine and nitrogen-doped graphene: doping-dependent, spatially selective. Journal Physics D: Applied Physics, 2020, 53, 045302.	1.3	5
6	GaSe layered nanorods formed by liquid phase exfoliation for resistive switching memory applications. Journal of Alloys and Compounds, 2020, 823, 153697.	2.8	9
7	In Situ XPS Studies of Solid Electrolyte Electroreduction Through Graphene Electrode. Journal of the Electrochemical Society, 2020, 167, 110533.	1.3	3
8	Efficient green emission from edge states in graphene perforated by nitrogen plasma treatment. 2D Materials, 2019, 6, 045021.	2.0	6
9	Molybdenum Disulfide Nanosheet/Quantum Dot Dynamic Memristive Structure Driven by Photoinduced Phase Transition. Small, 2019, 15, e1903809.	5.2	17
10	Structure, conductivity, and ion emission properties of RbAg_4I_5 solid electrolyte film prepared by pulsed laser deposition*. Chinese Physics B, 2019, 28, 060705.	0.7	3
11	Phonon anharmonicities in supported graphene. Carbon, 2019, 141, 190-197.	5.4	12
12	Highly efficient low-voltage cathodoluminescence of semiconductive nanoporous ZnMnO green phosphor films. Applied Surface Science, 2019, 470, 234-240.	3.1	4
13	Self-assembled MoS_2/rGO nanocomposites with tunable UV-IR absorption. RSC Advances, 2018, 8, 2410-2417.	1.7	19
14	The effect of atmospheric doping on pressure-dependent Raman scattering in supported graphene. Beilstein Journal of Nanotechnology, 2018, 9, 704-710.	1.5	9
15	Shear Exfoliation and Photoresponse of 2D Layered Gallium Selenide Nanosheets. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800226.	1.2	11
16	Formation of self-assembled nanoscale graphene/graphene oxide photomemristive heterojunctions using photocatalytic oxidation. Nanotechnology, 2017, 28, 204005.	1.3	16
17	Novel Green Luminescent and Phosphorescent Material: Semiconductive Nanoporous ZnMnO with Photon Confinement. ACS Applied Materials & Interfaces, 2017, 9, 20630-20636.	4.0	15
18	Tunable UV-visible absorption of SnS_2 layered quantum dots produced by liquid phase exfoliation. Nanoscale, 2017, 9, 1820-1826.	2.8	47

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19	Synthesis and enhanced field emission of zinc oxide incorporated carbon nanotubes. <i>Diamond and Related Materials</i> , 2017, 71, 79-84.	1.8	113
20	A patterned single layer graphene resistance temperature sensor. <i>Scientific Reports</i> , 2017, 7, 8811.	1.6	117
21	Laterally Selective Oxidation of Large-Scale Graphene with Atomic Oxygen. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27915-27922.	1.5	18
22	SEM imaging of acoustically stimulated charge transport in solids. <i>Applied Physics Letters</i> , 2017, 110, 264103.	1.5	3
23	Multicolor Emission from Poly(<i>p</i> -Phenylene)/Nanoporous ZnMnO Organic-Inorganic Hybrid Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35435-35439.	4.0	12
24	Direct growth of graphene film on piezoelectric La ₃ Ga _{5.5} Ta _{0.5} O ₁₄ crystal. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 639-644.	1.2	8
25	MoS ₂ memristor with photoresistive switching. <i>Scientific Reports</i> , 2016, 6, 31224.	1.6	66
26	Homoepitaxial Nanostructures of Zinc Oxide. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	1.5	1
27	Self-assembled ZnO ^{1D} nanorod arrays with varied luminescent and electronic properties. <i>Materials Letters</i> , 2015, 148, 55-57.	1.3	5
28	Domain matching epitaxy of GaN films on a novel langasite substrate: an in-plane epitaxial relationship analysis. <i>CrystEngComm</i> , 2015, 17, 4455-4461.	1.3	14
29	Au nanoparticles decorated photoresist derived multilayer graphene for transparent conducting films. <i>Materials Letters</i> , 2014, 124, 18-20.	1.3	5
30	Resistive switching in graphene/graphene oxide/ZnO heterostructures. <i>Journal of the Korean Physical Society</i> , 2014, 64, 1399-1402.	0.3	16
31	Contact light-emitting diodes based on vertical ZnO nanorods. <i>Journal of the Korean Physical Society</i> , 2014, 64, 1403-1406.	0.3	6
32	Optical and electrical properties of hydrothermally grown Al-doped ZnO nanorods on graphene/Ni/Si substrate. <i>Solid-State Electronics</i> , 2013, 82, 99-102.	0.8	13
33	Enhanced field emission from self-assembled ZnO nanorods on graphene/Ni/Si substrates. <i>Materials Letters</i> , 2013, 112, 183-186.	1.3	6
34	Synthesis and properties of graphene oxide/graphene nanostructures. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1789-1793.	0.3	19
35	Spatially-resolved study of the luminescence from ZnO/MgO core-shell nanocrystal structures. <i>Journal of the Korean Physical Society</i> , 2012, 60, 481-484.	0.3	0
36	Structural and Optical Properties of ZnO _x S _{1-x} Nanoparticles. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2012, 7, 633-636.	0.1	1

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37	Vertical ZnO nanorod/Si contact light-emitting diode. Applied Physics Letters, 2011, 98, .	1.5	54
38	Optical Properties of ZnO ²⁺ MgO Nanocrystal Structures. , 2011, , .		0
39	Resistive Switching in Al/Graphene Oxide/Al Structure. Japanese Journal of Applied Physics, 2011, 50, 070110.	0.8	30
40	Resistive Switching in Al/Graphene Oxide/Al Structure. Japanese Journal of Applied Physics, 2011, 50, 070110.	0.8	41
41	Spatially resolved investigations of the emission around 3.31 eV (A-line) from ZnO nanocrystals. Applied Physics Letters, 2009, 95, .	1.5	21
42	Strong violet luminescence from ZnO nanocrystals grown by the low-temperature chemical solution deposition. Journal of Luminescence, 2009, 129, 1099-1104.	1.5	41
43	Study of optical, electrical and magnetic properties of composite nanomaterials on the basis of broadband oxide semiconductors. Nanotechnologies in Russia, 2009, 4, 822-827.	0.7	4
44	ZnO filled opal arrays: Photo and cathodoluminescence studies. Solid State Communications, 2008, 145, 577-581.	0.9	1
45	ZnO/MgO nanocomposites generated from alcoholic solutions. Russian Journal of Inorganic Chemistry, 2008, 53, 1366-1370.	0.3	8
46	Synthesis of ZnO/NiO nanocomposites from ethanol solutions. Russian Journal of Inorganic Chemistry, 2008, 53, 1546-1551.	0.3	10
47	Synthesis of ZnO nanotetrapods. Inorganic Materials, 2008, 44, 846-852.	0.2	14
48	Modulation of Excitonic Emission from ZnO Nanocrystals by Visible Light Illumination. Japanese Journal of Applied Physics, 2008, 47, 3760-3762.	0.8	6
49	Luminescent Properties of ZnO/MgO Nanocrystal/Polymer Composite Structure. Journal of the Korean Physical Society, 2008, 53, 2943-2946.	0.3	4
50	Thermo- and Photo-annealing of ZnO Nanocrystals. Japanese Journal of Applied Physics, 2007, 46, 4172-4174.	0.8	14
51	Resistance Switching Induced by an Electric Field in ZnO:Li, Fe Nanowires. AIP Conference Proceedings, 2007, , .	0.3	6
52	Luminescence of ZnO nanocrystals capped with an organic dye. Optics Communications, 2007, 276, 127-130.	1.0	4
53	Luminescent properties of three structures built from 3-cyano-4-dicyanomethylene-5-oxo-4,5-dihydro-1 <i>H</i> -pyrrol-2-olate and cadmium. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, m541-m547.	0.4	5
54	Growth and magnetic properties of Mn and MnSn-doped ZnO nanorods. Journal of Electroceramics, 2006, 17, 847-852.	0.8	6

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55	Effect of thermal annealing on the structural and the optical properties of ZnO/MgO nanostructures. Journal of Crystal Growth, 2005, 279, 494-500.	0.7	19
56	Cubic $Mg_xZn_{1-x}O$ wide band gap solid solutions synthesized at high pressures. Journal of Physics Condensed Matter, 2005, 17, 3377-3384.	0.7	12
57	Electric field switching between blue-green and red cathodoluminescence in poly(4,4'-diphenylene) Tj ETQq1 1 0.784314 1.5 25 BT /Over	1.5	25
58	Formation of Hexagonal GaN Pyramids by Photo Assisted Electroless Chemical Etching. Japanese Journal of Applied Physics, 2005, 44, L342-L344.	0.8	7
59	Air-sea interaction including a shallow and coastal zone. Vital, 2005, 10, 289-305.	0.0	6
60	Growth of ZnO nanorods from a salt mixture. Nanotechnology, 2005, 16, 1918-1923.	1.3	35
61	Light emission from the polythiophene derivative/ITO structure under electron beam excitation. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 1074-1078.	1.3	3
62	Electron beam induced light emission from the polythiophene derivative/ITO structure. Physica Status Solidi (B): Basic Research, 2004, 241, 2862-2865.	0.7	1
63	Luminescence from ZnO/MgO nanoparticle structures prepared by solution techniques. Current Applied Physics, 2004, 4, 647-650.	1.1	28
64	In situ study of the ZnO-NaCl system during the growth of ZnO nanorods. Nanotechnology, 2004, 15, 1613-1619.	1.3	22
65	Semiconductor quantum dots created by postgrowth treatment. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 484-488.	1.3	7
66	Ferroelectricity in Mn-implanted CdTe. Applied Physics Letters, 2003, 83, 2214-2216.	1.5	18
67	Electrical and Optical Properties of ZnO Films Grown on GaAs Substrates. Japanese Journal of Applied Physics, 2003, 42, 3333-3336.	0.8	15
68	Postgrowth annealing effect on structural and optical properties of ZnO films grown on GaAs substrates by the radio frequency magnetron sputtering technique. Journal of Applied Physics, 2002, 92, 154-158.	1.1	52
69	Electron beam induced current and scanning tunnelling spectroscopy correlative study of and CdTe crystals. Semiconductor Science and Technology, 1998, 13, 576-582.	1.0	13
70	Characterization of charged defects in $Cd_xHg_{1-x}Te$ and CdTe crystals by electron beam induced current and scanning tunneling spectroscopy. Applied Physics Letters, 1998, 72, 2129-2131.	1.5	10
71	Effect of Γ_1-HgI_2 epitaxial growth on the defect structure of CdTe:Ge substrates. Applied Physics Letters, 1997, 70, 877-879.	1.5	14
72	Effect of ion beam milling on the defect structure of CdTe. Semiconductor Science and Technology, 1996, 11, 1354-1357.	1.0	19

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73	Cathodoluminescence study of the effect of annealing in HgI ₂ vapor on the defect structure of CdTe. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 42, 277-283.	1.7	2
74	p-type to n-type conversion in GaSb by ion beam milling. Applied Physics Letters, 1995, 67, 3584-3586.	1.5	18
75	Potential relief in PbTe:In(Cd) heterophase systems. Journal of Physics and Chemistry of Solids, 1990, 51, 1333-1338.	1.9	4
76	Memristive Systems Based on Two-Dimensional Materials. , 0, , .		2