

Daohan Ge

List of Publications by Year in descending order

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33
papers

286
citations

840776

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940533

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33
all docs

33
docs citations

33
times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential Modulating Effect of MoS ₂ on Amyloid Peptide Assemblies. Chemistry - A European Journal, 2018, 24, 3397-3402.	3.3	31
2	Silver Nano-Dendrite-Plated Porous Silicon Substrates Formed by Single-Step Electrochemical Synthesis for Surface-Enhanced Raman Scattering. ACS Applied Nano Materials, 2020, 3, 3011-3018.	5.0	27
3	Effects of Ga ion-beam irradiation on monolayer graphene. Applied Physics Letters, 2013, 103, .	3.3	23
4	Two-Dimensional Hole-Array Grating-Coupling-Based Excitation of Bloch Surface Waves for Highly Sensitive Biosensing. Nanoscale Research Letters, 2019, 14, 319.	5.7	18
5	Electrochemical Fabrication of Silicon-Based Micro-Nano-Hybrid Porous Arrays for Hybrid-Lattice Photonic Crystal. ECS Journal of Solid State Science and Technology, 2017, 6, P893-P897.	1.8	17
6	Optical Fano resonance sensing of bilayer asymmetric photonic crystal slabs as biosensors. Applied Optics, 2019, 58, 3187.	1.8	14
7	Improvement of light extraction efficiency in GaN-based light-emitting diodes by addition of complex photonic crystal structure. Materials Research Express, 2019, 6, 086201.	1.6	13
8	Simulation and prediction on phonon thermal conductivity of Al/Cu interface. Journal of Physics and Chemistry of Solids, 2018, 122, 184-188.	4.0	12
9	Optical sensing analysis of bilayer porous silicon nanostructure. Journal of Physics and Chemistry of Solids, 2019, 130, 217-221.	4.0	12
10	Flexible Pressure Sensor Based on a Thermally Induced Wrinkled Graphene Sandwich Structure. IEEE Sensors Journal, 2022, 22, 3040-3051.	4.7	12
11	Highly sensitive refractive index sensor based on Bloch surface waves with lithium niobate film. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	12
12	Ultrafast fabrication of high-aspect-ratio macropores in P-type silicon: toward the mass production of microdevices. Materials Research Letters, 2018, 6, 648-654.	8.7	11
13	Numerical simulation of a novel bilayer photonic crystal slab biosensor with hexagonal lattice. Results in Physics, 2019, 12, 1942-1945.	4.1	11
14	Magnetic field sensor based on evanescent wave coupling effect of photonic crystal slab microcavity. Journal of Magnetism and Magnetic Materials, 2021, 527, 167696.	2.3	10
15	Effect of patterned silicon nitride substrate on Raman scattering and stress of graphene. Materials and Design, 2021, 198, 109338.	7.0	9
16	A new one-dimensional photonic crystal magnetic sensor based on magnetic fluid film with excellent sensing ability and figure of merit. Journal of Magnetism and Magnetic Materials, 2022, 545, 168753.	2.3	9
17	Numerical investigation on the field emission properties of N-doped graphdiyne-C60 nanostructures. AIP Advances, 2018, 8, 015320.	1.3	8
18	Excitation of Bloch surface wave using silver nanoparticles for sensitivity enhanced biosensor. Materials Research Express, 2019, 6, 095042.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Investigation of thermal property of triangle vacancy nitrogen-doping graphene nanoribbons. <i>Composite Interfaces</i> , 2019, 26, 127-139.	2.3	6
20	Optimization of porous silicon structure as antireflective material. <i>European Physical Journal D</i> , 2022, 76, 1.	1.3	4
21	Porous Silicon Composite ZnO Nanoparticles as Supercapacitor Electrodes. <i>Journal of Electronic Materials</i> , 2022, 51, 2964-2970.	2.2	4
22	Structure disorder degree of polysilicon thin films grown by different processing: Constant C from Raman spectroscopy. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	3
23	Effect of windmill-like-shaped defect on TM photonic band gaps of two-dimensional square-lattice photonic crystals. <i>Results in Physics</i> , 2020, 16, 102879.	4.1	3
24	The Light Extraction Efficiency of GaN-based LED with Air-Hole Photonic Crystal Structures. <i>Nano</i> , 2021, 16, .	1.0	3
25	Band gap of silicon photonic crystal with square-lattice and windmill-shaped defects. <i>Results in Physics</i> , 2021, 31, 105054.	4.1	3
26	The Effect of Complex Periodic Ellipsoid Arrays on Light Extraction Efficiency of GaN Based LED. <i>Russian Journal of Physical Chemistry A</i> , 2022, 96, 907-911.	0.6	2
27	Controllable Fabrication and Mechanism of Macropores Formation on p-Type Silicon. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 1699-1703.	0.6	1
28	Experimental research on damage and formation limits on porous silicon materials by electrochemical etching method. <i>Journal of Materials Research</i> , 2022, 37, 876.	2.6	1
29	Thermal-Structural Optimization of Light with LED Packaging. <i>ECS Transactions</i> , 2016, 72, 83-87.	0.5	0
30	The Effect of Hybrid-Lattice Micro Post Arrays on Flow Field of Semi-Packed Gas Chromatography Column. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 027008.	1.8	0
31	Investigation on the Photoluminescence of p-Type Porous Silicon for Ultraviolet Detector. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, 2663-2666.	0.6	0
32	A cross-mixing channel 3D-SAR micromixer with high mixing performance. <i>International Journal of Chemical Reactor Engineering</i> , 2022, .	1.1	0
33	Nucleation and Initial Growth in Ultrafast Electrochemical Fabrication of P-Type Macroporous Silicon. <i>Silicon</i> , 0, , .	3.3	0