# Daohan Ge

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5853207/publications.pdf

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|---|---|---|---|
| 33 papers | 286 citations | 840776 11 h-index | 940533 16 g-index |
| 33 all docs | 33 docs citations | 33 times ranked | 314 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Flexible Pressure Sensor Based on a Thermally Induced Wrinkled Graphene Sandwich Structure. IEEE Sensors Journal, 2022, 22, 3040-3051. | 4.7 | 12 |
| 3 | Optimization of porous silicon structure as antireflective material. European Physical Journal D, 2022, 76, 1. | 1.3 | 4 |
| 4 | Experimental research on damage and formation limits on porous silicon materials by electrochemical etching method. Journal of Materials Research, 2022, 37, 876. | 2.6 | 1 |
| 5 | Porous Silicon Composite ZnO Nanoparticles as Supercapacitor Electrodes. Journal of Electronic Materials, 2022, 51, 2964-2970. | 2.2 | 4 |
| 6 | 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 |
| 7 | A cross-mixing channel 3D-SAR micromixer with high mixing performance. International Journal of Chemical Reactor Engineering, 2022, . | 1.1 | 0 |
| 8 | The Effect of Complex Periodic Ellipsoid Arrays on Light Extraction Efficiency of GaN Based LED. Russian Journal of Physical Chemistry A, 2022, 96, 907-911. | 0.6 | 2 |
| 9 | Effect of patterned silicon nitride substrate on Raman scattering and stress of graphene. Materials and Design, 2021, 198, 109338. | 7.0 | 9 |
| 10 | The Effect of Hybrid-Lattice Micro Post Arrays on Flow Field of Semi-Packed Gas Chromatography Column. ECS Journal of Solid State Science and Technology, 2021, 10, 027008. | 1.8 | 0 |
| 11 | 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 |
| 12 | The Light Extraction Efficiency of GaN-based LED with Air-Hole Photonic Crystal Structures. Nano, 2021, 16, . | 1.0 | 3 |
| 13 | Investigation on the Photoluminescence of p-Type Porous Silicon for Ultraviolet Detector. Russian Journal of Physical Chemistry A, 2021, 95, 2663-2666. | 0.6 | 0 |
| 14 | Band gap of silicon photonic crystal with square-lattice and windmill-shaped defects. Results in Physics, 2021, 31, 105054. | 4.1 | 3 |
| 15 | Effect of windmill-like-shaped defect on TM photonic band gaps of two-dimensional square-lattice photonic crystals. Results in Physics, 2020, 16, 102879. | 4.1 | 3 |
| 16 | Controllable Fabrication and Mechanism of Macropores Formation on p-Type Silicon. Russian Journal of Physical Chemistry A, 2020, 94, 1699-1703. | 0.6 | 1 |
| 17 | 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 |
| 18 | Investigation of thermal property of triangle vacancy nitrogen-doping graphene nanoribbons. Composite Interfaces, 2019, 26, 127-139. | 2.3 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Excitation of Bloch surface wave using silver nanoparticles for sensitivity enhanced biosensor. Materials Research Express, 2019, 6, 095042. | 1.6 | 7 |
| 20 | 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 |
| 21 | Optical sensing analysis of bilayer porous silicon nanostructure. Journal of Physics and Chemistry of Solids, 2019, 130, 217-221. | 4.0 | 12 |
| 22 | Numerical simulation of a novel bilayer photonic crystal slab biosensor with hexagonal lattice. Results in Physics, 2019, 12, 1942-1945. | 4.1 | 11 |
| 23 | 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 |
| 24 | Optical Fano resonance sensing of bilayer asymmetric photonic crystal slabs as biosensors. Applied Optics, 2019, 58, 3187. | 1.8 | 14 |
| 25 | Numerical investigation on the field emission properties of N-doped graphdiyne-C60 nanostructures. AIP Advances, 2018, 8, 015320. | 1.3 | 8 |
| 26 | Differential Modulating Effect of MoS<sub>2</sub> on Amyloid Peptide Assemblies. Chemistry - A European Journal, 2018, 24, 3397-3402. | 3.3 | 31 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | Thermal-Structural Optimization of Light with LED Packaging. ECS Transactions, 2016, 72, 83-87. | 0.5 | 0 |
| 31 | Effects of Ga ion-beam irradiation on monolayer graphene. Applied Physics Letters, 2013, 103, . | 3.3 | 23 |
| 32 | Structure disorder degree of polysilicon thin films grown by different processing: Constant C from Raman spectroscopy. Journal of Applied Physics, 2013, 114, . | 2.5 | 3 |
| 33 | Nucleation and Initial Growth in Ultrafast Electrochemical Fabrication of P-Type Macroporous Silicon. Silicon, 0, , . | 3.3 | 0 |