

Guodong Wei

List of Publications by Year in descending order

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42
papers

2,050
citations

304743

22
h-index

289244

40
g-index

42
all docs

42
docs citations

42
times ranked

3043
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired surface-enhanced Raman scattering substrate with intrinsic Raman signal for the interactive SERS detection of pesticides residues. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120800.	3.9	6
2	Simulation and design of dual-band quantum dot infrared photodetector based on metal grating structure. <i>AIP Advances</i> , 2022, 12, 035110.	1.3	3
3	Reusable dual-functional SERS sensor based on gold nanoflowers-modified red phosphorus nanoplates for ultrasensitive immunoassay and degradation of CA19-9. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114148.	10.1	11
4	Robust and Low-Power-Consumption Black Phosphorus@Graphene Artificial Synaptic Devices. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21242-21252.	8.0	11
5	Quantitative and recyclable SERS detection induced by tunable Raman internal standard from embedded silicon nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 131989.	7.8	13
6	Multifunctional SERS chip mediated by black phosphorus@gold-silver nanocomposites inserted in bilayer membrane for in-situ detection and degradation of hazardous materials. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 787-802.	9.4	12
7	Development of RGO@MoS ₂ @Ag ternary nanocomposites with tunable geometry structure for recyclable SERS detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129856.	7.8	44
8	Flexible GO/Nb ₂ CT _x hybrid films for high-performance piezoresistive sensors. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 424007.	2.8	4
9	Construction of Reusable PMMA@Ag/g-C ₃ N ₄ /Ag Hybrid Substrates with Plasmonic-Enhanced Intrinsic Raman Signals for Quantitative SERS Detection and Green Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12885-12898.	6.7	28
10	Nonmetallic SERS-based immunosensor by integrating MoS ₂ nanoflower and nanosheet towards the direct serum detection of carbohydrate antigen 19-9. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113481.	10.1	31
11	Surface-enhanced Raman scattering-based lateral flow immunoassay mediated by hydrophilic-hydrophobic Ag-modified PMMA substrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120092.	3.9	28
12	Intrinsic Raman signal of polymer matrix induced quantitative multiphase SERS analysis based on stretched PDMS film with anchored Ag nanoparticles/Au nanowires. <i>Chemical Engineering Journal</i> , 2020, 381, 122710.	12.7	160
13	Quantitative SERS-Based Detection and Elimination of Mixed Hazardous Additives in Food Mediated by the Intrinsic Raman Signal of TiO ₂ and Magnetic Enrichment. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16990-16999.	6.7	35
14	Enhanced Absorptivity of Quantum Dot Infrared Photodetector by Introducing of Metal Nanostructure Layer. <i>Plasmonics</i> , 2020, 15, 1421-1427.	3.4	1
15	Improved lateral flow strip based on hydrophilic~hydrophobic SERS substrate for ultra~sensitive and quantitative immunoassay. <i>Applied Surface Science</i> , 2020, 529, 147121.	6.1	28
16	Hierarchical NiO@CeO nanosheets self-assembly flower-like architecture: heterojunction engineering assisting for high-performance humidity sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13229-13239.	2.2	3
17	Quantitative and Recyclable Surface-Enhanced Raman Spectroscopy Immunoassay Based on Fe ₃ O ₄ @TiO ₂ @Ag Core@Shell Nanoparticles and Au Nanowire/Polydimethylsiloxane Substrates. <i>ACS Applied Nano Materials</i> , 2020, 3, 4610-4622.	5.0	30
18	A robust SiC nanoarray blue-light photodetector. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6072-6078.	5.5	16

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19	High Photon Absorptivity of Quantum Dot Infrared Photodetectors Achieved by the Surface Plasmon Effect of Metal Nanohole Array. <i>Nanoscale Research Letters</i> , 2020, 15, 98.	5.7	10
20	Polyimide/Graphene Nanocomposite Foam-Based Wind-Driven Triboelectric Nanogenerator for Self-Powered Pressure Sensor. <i>Advanced Materials Technologies</i> , 2019, 4, 1800723.	5.8	86
21	Screen-printable microscale hybrid device based on MXene and layered double hydroxide electrodes for powering force sensors. <i>Nano Energy</i> , 2018, 50, 479-488.	16.0	176
22	Single-crystalline integrated 4H-SiC nanochannel array electrode: toward high-performance capacitive energy storage for robust wide-temperature operation. <i>Materials Horizons</i> , 2018, 5, 883-889.	12.2	43
23	Binder-free Ti ₃ C ₂ T _x MXene electrode film for supercapacitor produced by electrophoretic deposition method. <i>Chemical Engineering Journal</i> , 2017, 317, 1026-1036.	12.7	202
24	Facile synthesis of MnO ₂ -Ni(OH) ₂ 3D Ridge-like Porous Electrode Materials by Seed-Induce Method for High-performance Asymmetric Supercapacitor. <i>Electrochimica Acta</i> , 2017, 233, 26-35.	5.2	56
25	Interface engineering of 3D BiVO ₄ /Fe-based layered double hydroxide core/shell nanostructures for boosting photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9952-9959.	10.3	134
26	Cu and Ni Nanoparticles Deposited on ITO Electrode for Nonenzymatic Electrochemical Carbohydrates Sensor Applications. <i>Electroanalysis</i> , 2017, 29, 965-974.	2.9	5
27	Hierarchical NiCoP nanocone arrays supported on Ni foam as an efficient and stable bifunctional electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14828-14837.	10.3	255
28	Flexible Supercapacitors Based on Polyaniline Arrays Coated Graphene Aerogel Electrodes. <i>Nanoscale Research Letters</i> , 2017, 12, 394.	5.7	67
29	Experimental and theoretical studies of nonlinear dependence of the internal resistance and electrode thickness for high performance supercapacitor. <i>Scientific Reports</i> , 2017, 7, 45934.	3.3	11
30	Flexible MXene-graphene electrodes with high volumetric capacitance for integrated co-cathode energy conversion/storage devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17442-17451.	10.3	211
31	Magnetite hollow microspheres with a broad absorption bandwidth of 11.9 GHz: toward promising lightweight electromagnetic microwave absorption. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19975-19983.	2.8	41
32	The radar absorption properties of the hollow Fe ₃ O ₄ microspheres synthesized by the plasma dynamic method. , 2017, , .		0
33	SERS-based immunoassay using a core-shell SiO ₂ @Ag immune probe and Ag-decorated NiCo ₂ O ₄ nanorods immune substrate. <i>RSC Advances</i> , 2016, 6, 708-715.	3.6	19
34	Highly flexible and robust N-doped SiC nanoneedle field emitters. <i>NPG Asia Materials</i> , 2015, 7, e157-e157.	7.9	66
35	Fe ₃ O ₄ @titanate nanocomposites: novel reclaimable adsorbents for removing radioactive ions from wastewater. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2742-2747.	2.2	7
36	High-performance solar-blind ultraviolet photodetector based on electrospun TiO ₂ -ZnTiO ₃ heterojunction nanowires. <i>Nano Research</i> , 2015, 8, 2822-2832.	10.4	53

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37	Novel fungusâ€ˆtitanate bio-nanocomposites as high performance adsorbents for the efficient removal of radioactive ions from wastewater. <i>Nanoscale</i> , 2014, 6, 722-725.	5.6	26
38	Titanate Nanotubes as a Promising Absorbent for High Effective Radioactive Uranium Ions Uptake. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 6374-6379.	0.9	22
39	Large-Scale Synthesis and Photoluminescence Properties of Aligned Multicore SiCâ€ˆSiO ₂ /sub> Nanocables. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1964-1968.	0.9	3
40	Synthesis of ZnO Nanosheets by Microwave Thermal Vapor Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2065-2069.	0.9	8
41	Large-scale synthesis and photoluminescence properties ofÂSiC networks. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 521-527.	2.3	12
42	Enhanced Photoluminescence of Water Soluble YVO ₄ :Ln ³⁺ (Ln = Eu, Dy, Sm,) Tj ETQq0 0 0 rgBT /Overlock 10 17042-17045.	3.1	73