Guodong Wei

List of Publications by Year
in descending order

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		304743	289244
42	2,050	22	40
papers	citations	h-index	g-index

42	42	42	3043
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchical NiCoP nanocone arrays supported on Ni foam as an efficient and stable bifunctional electrocatalyst for overall water splitting. Journal of Materials Chemistry A, 2017, 5, 14828-14837.	10.3	255
2	Flexible MXeneâ€“graphene electrodes with high volumetric capacitance for integrated co-cathode energy conversion/storage devices. Journal of Materials Chemistry A, 2017, 5, 17442-17451.	10.3	211
3	Binder-free Ti 3 C 2 T x MXene electrode film for supercapacitor produced by electrophoretic deposition method. Chemical Engineering Journal, 2017, 317, 1026-1036.	12.7	202
4	Screen-printable microscale hybrid device based on MXene and layered double hydroxide electrodes for powering force sensors. Nano Energy, 2018, 50, 479-488.	16.0	176
5	Intrinsic Raman signal of polymer matrix induced quantitative multiphase SERS analysis based on stretched PDMS film with anchored Ag nanoparticles/Au nanowires. Chemical Engineering Journal, 2020, 381, 122710.	12.7	160
6	Interface engineering of 3D BiVO₄/Fe-based layered double hydroxide core/shell nanostructures for boosting photoelectrochemical water oxidation. Journal of Materials Chemistry A, 2017, 5, 9952-9959.	10.3	134
7	Polyimide/Graphene Nanocomposite Foamâ€Based Windâ€Driven Triboelectric Nanogenerator for Selfâ€Powered Pressure Sensor. Advanced Materials Technologies, 2019, 4, 1800723.	5.8	86
8	Enhanced Photoluminescence of Water Soluble YVO₄:Ln³⁺ (Ln = Eu, Dy, Sm,) Tj ETQq0 0 0 rgBT /Overlock 10 17042-17045.	3.1	73
9	Flexible Supercapacitors Based on Polyaniline Arrays Coated Graphene Aerogel Electrodes. Nanoscale Research Letters, 2017, 12, 394.	5.7	67
10	Highly flexible and robust N-doped SiC nanoneedle field emitters. NPG Asia Materials, 2015, 7, e157-e157.	7.9	66
11	Facile synthesis of MnO2-Ni(OH)2 3D Ridge-like Porous Electrode Materials by Seed-induce Method for High-performance Asymmetric Supercapacitor. Electrochimica Acta, 2017, 233, 26-35.	5.2	56
12	High-performance solar-blind ultraviolet photodetector based on electrospun TiO2-ZnTiO3 heterojunction nanowires. Nano Research, 2015, 8, 2822-2832.	10.4	53
13	Development of RGO@MoS2@Ag ternary nanocomposites with tunable geometry structure for recyclable SERS detection. Sensors and Actuators B: Chemical, 2021, 339, 129856.	7.8	44
14	Single-crystalline integrated 4H-SiC nanochannel array electrode: toward high-performance capacitive energy storage for robust wide-temperature operation. Materials Horizons, 2018, 5, 883-889.	12.2	43
15	Magnetite hollow microspheres with a broad absorption bandwidth of 11.9 GHz: toward promising lightweight electromagnetic microwave absorption. Physical Chemistry Chemical Physics, 2017, 19, 19975-19983.	2.8	41
16	Quantitative SERS-Based Detection and Elimination of Mixed Hazardous Additives in Food Mediated by the Intrinsic Raman Signal of TiO₂ and Magnetic Enrichment. ACS Sustainable Chemistry and Engineering, 2020, 8, 16990-16999.	6.7	35
17	Nonmetallic SERS-based immunosensor byintegrating MoS2 nanoflower and nanosheet towards the direct serum detection of carbohydrate antigen 19-9. Biosensors and Bioelectronics, 2021, 193, 113481.	10.1	31
18	Quantitative and Recyclable Surface-Enhanced Raman Spectroscopy Immunoassay Based on Fe₃O₄@TiO₂@Ag Coreâ€“Shell Nanoparticles and Au Nanowire/Polydimethylsiloxane Substrates. ACS Applied Nano Materials, 2020, 3, 4610-4622.	5.0	30

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19	Improved lateral flow strip based on hydrophilicâ"hydrophobic SERS substrate for ultraâ"sensitive and quantitative immunoassay. Applied Surface Science, 2020, 529, 147121.	6.1	28
20	Construction of Reusable PMMAâ€"Ag/g-C₃N₄/Ag Hybrid Substrates with Plasmonic-Enhanced Intrinsic Raman Signals for Quantitative SERS Detection and Green Degradation. ACS Sustainable Chemistry and Engineering, 2021, 9, 12885-12898.	6.7	28
21	Surface-enhanced Raman scattering-based lateral flow immunoassay mediated by hydrophilic-hydrophobic Ag-modified PMMA substrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 262, 120092.	3.9	28
22	Novel fungusâ€"titanate bio-nanocomposites as high performance adsorbents for the efficient removal of radioactive ions from wastewater. Nanoscale, 2014, 6, 722-725.	5.6	26
23	Titanate Nanotubes as a Promising Absorbent for High Effective Radioactive Uranium Ions Uptake. Journal of Nanoscience and Nanotechnology, 2012, 12, 6374-6379.	0.9	22
24	SERS-based immunoassay using a coreâ€"shell SiO₂@Ag immune probe and Ag-decorated NiCo₂O₄ nanorods immune substrate. RSC Advances, 2016, 6, 708-715.	3.6	19
25	A robust SiC nanoarray blue-light photodetector. Journal of Materials Chemistry C, 2020, 8, 6072-6078.	5.5	16
26	Quantitative and recyclable SERS detection induced by tunable Raman internal standard from embedded silicon nanoparticles. Sensors and Actuators B: Chemical, 2022, 366, 131989.	7.8	13
27	Large-scale synthesis and photoluminescence properties ofÂSiC networks. Applied Physics A: Materials Science and Processing, 2009, 96, 521-527.	2.3	12
28	Multifunctional SERS chip mediated by black phosphorus@gold-silver nanocomposites inserted in bilayer membrane for in-situ detection and degradation of hazardous materials. Journal of Colloid and Interface Science, 2022, 626, 787-802.	9.4	12
29	Experimental and theoretical studies of nonlinear dependence of the internal resistance and electrode thickness for high performance supercapacitor. Scientific Reports, 2017, 7, 45934.	3.3	11
30	Reusable dual-functional SERS sensor based on gold nanoflowers-modified red phosphorus nanoplates for ultrasensitive immunoassay and degradation of CA19-9. Biosensors and Bioelectronics, 2022, 207, 114148.	10.1	11
31	Robust and Low-Power-Consumption Black Phosphorusâ€"Graphene Artificial Synaptic Devices. ACS Applied Materials & Interfaces, 2022, 14, 21242-21252.	8.0	11
32	High Photon Absorptivity of Quantum Dot Infrared Photodetectors Achieved by the Surface Plasmon Effect of Metal Nanohole Array. Nanoscale Research Letters, 2020, 15, 98.	5.7	10
33	Synthesis of ZnO Nanosheets by Microwave Thermal Vapor Method. Journal of Nanoscience and Nanotechnology, 2010, 10, 2065-2069.	0.9	8
34	Fe3O4@titanate nanocomposites: novel reclaimable adsorbents for removing radioactive ions from wastewater. Journal of Materials Science: Materials in Electronics, 2015, 26, 2742-2747.	2.2	7
35	Bioinspired surface-enhanced Raman scattering substrate with intrinsic Raman signal for the interactive SERS detection of pesticides residues. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120800.	3.9	6
36	Cu and Ni Nanoparticles Deposited on ITO Electrode for Nonenzymatic Electrochemical Carbohydrates Sensor Applications. Electroanalysis, 2017, 29, 965-974.	2.9	5

#	Article	IF	Citations
37	Flexible GO/Nb₂CT _x hybrid films for high-performance piezoresistive sensors. Journal Physics D: Applied Physics, 2021, 54, 424007.	2.8	4
38	Large-Scale Synthesis and Photoluminescence Properties of Aligned Multicore SiCâ€“SiO₂ Nanocables. Journal of Nanoscience and Nanotechnology, 2010, 10, 1964-1968.	0.9	3
39	Hierarchical NiOâ€“CeO nanosheets self-assembly flower-like architecture: heterojunction engineering assisting for high-performance humidity sensor. Journal of Materials Science: Materials in Electronics, 2020, 31, 13229-13239.	2.2	3
40	Simulation and design of dual-band quantum dot infrared photodetector based on metal grating structure. AIP Advances, 2022, 12, 035110.	1.3	3
41	Enhanced Absorptivity of Quantum Dot Infrared Photodetector by Introducing of Metal Nanostructure Layer. Plasmonics, 2020, 15, 1421-1427.	3.4	1
42	The radar absorption properties of the hollow Fe<inf>3</inf>O<inf>4</inf> microspheres synthesized by the plasma dynamic method. , 2017, , .		0