Jiang Zhao

List of Publications by Year
in descending order

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46 papers	1,087 citations	361413 20 h-index	414414 32 g-index
46 all docs	46 docs citations	46 times ranked	1459 citing authors

#	Article	IF	Citations
1	Effective design of MnO2 nanoparticles embedded in laser-induced graphene as shape-controllable electrodes for flexible planar microsupercapacitors. Applied Surface Science, 2022, 571, 151385.	6.1	26
2	Highly responsive screen-printed asymmetric pressure sensor based on laser-induced graphene. Journal of Micromechanics and Microengineering, 2022, 32, 015002.	2.6	15
3	Novel multi-walled carbon nanotubes-embedded laser-induced graphene in crosslinked architecture for highly responsive asymmetric pressure sensor. Sensors and Actuators A: Physical, 2021, 323, 112658.	4.1	21
4	Research on Frequency Doubling Effect of Thermoacoustic Speaker Based on Graphene Film. Sensors, 2021, 21, 6030.	3.8	0
5	Highly-sensitive NO2 gas sensors based on three-dimensional nanotube graphene and ZnO nanospheres nanocomposite at room temperature. Applied Surface Science, 2021, 566, 150720.	6.1	29
6	Co3O4 nanoparticles embedded in laser-induced graphene for a flexible and highly sensitive enzyme-free glucose biosensor. Sensors and Actuators B: Chemical, 2021, 347, 130653.	7.8	42
7	Boosting the performance of flexible in-plane micro-supercapacitors by engineering MoS2 nanoparticles embedded in laser-induced graphene. Journal of Alloys and Compounds, 2021, 887, 161514.	5.5	26
8	Highly Responsive Asymmetric Pressure Sensor Based on MXene/Reduced Graphene Oxide Nanocomposite Fabricated by Laser Scribing Technique. IEEE Sensors Journal, 2021, 21, 26673-26680.	4.7	9
9	A flexible non-enzymatic glucose sensor based on copper nanoparticles anchored on laser-induced graphene. Carbon, 2020, 156, 506-513.	10.3	235
10	Research on the Electrical-Thermal-Acoustic Conversion Behavior of Thermoacoustic Speakers Based on Multilayer Graphene Film. IEEE Sensors Journal, 2020, 20, 14646-14654.	4.7	11
11	An In-Line Microwave Power Detection System Based on Double MEMS Cantilever Beams. IEEE Sensors Journal, 2020, 20, 10476-10484.	4.7	5
12	Versatile Strategy to Design Flexible Planar-Integrated Microsupercapacitors Based on Co₃O₄-Decorated Laser-Induced Graphene. ACS Applied Energy Materials, 2020, 3, 10676-10684.	5.1	32
13	A Flexible Low-Pass Filter Based on Laser-Induced Graphene. Journal of Electronic Materials, 2020, 49, 6348-6357.	2.2	0
14	Investigation on the theoretical model of graphene pressure sensors. Electronics Letters, 2020, 56, 447-449.	1.0	1
15	Gas Sensors Based on Chemically Reduced Holey Graphene Oxide Thin Films. Nanoscale Research Letters, 2019, 14, 218.	5.7	29
16	Flexible Planarâ€Integrated Microâ€Supercapacitors from Electrochemically Exfoliated Graphene as Advanced Electrodes Prepared by Flash Foamâ€“Assisted Stamp Technique on Paper. Energy Technology, 2019, 7, 1900664.	3.8	7
17	Optical sensing interface based on nano-opto-electro-mechanical systems. Sensors and Actuators A: Physical, 2019, 295, 374-379.	4.1	1
18	Flash foam stamp-inspired fabrication of flexible in-plane graphene integrated micro-supercapacitors on paper. Journal of Power Sources, 2019, 433, 226703.	7.8	28

#	Article	IF	Citations
19	Fe 3 O 4 Nanoparticles Supported on Arcâ€synthesized Carbon Nanotubes as Advanced Electrocatalyst for Oxygen Reduction Reaction. ChemistrySelect, 2019, 4, 6227-6232.	1.5	3
20	Preparation of LiTi2O4 as a Lithium-ion Battery Anode by a Carbon-thermal Reduction Method. International Journal of Electrochemical Science, 2018, , 1921-1930.	1.3	2
21	Enhanced Field Emission from UV-Illuminated CuO Nanowires Fabricated by Thermal Oxidation of Cu Film. Nano, 2016, 11, 1650056.	1.0	7
22	A 10-bit 100 MS/s CMOS current-steering DAC. , 2016, , .		4
23	The research of indirectly-heated type microwave power sensors based on GaAs MMIC technology. Microsystem Technologies, 2016, 22, 2233-2239.	2.0	2
24	Optimization of Thermoelectric Microwave Power Sensors Based on Thinâ€Membrane Structure. Chinese Journal of Electronics, 2015, 24, 884-888.	1.5	1
25	Free-binder lithium ion battery based on a hybrid multiwalled carbon nanotube-graphitic platelet architecture. Ionics, 2015, 21, 1247-1252.	2.4	2
26	A facile one-step synthesis of p-CuO/n-ZnO nanowire heterojunctions by thermal oxidation route. Materials Science in Semiconductor Processing, 2015, 35, 55-58.	4.0	18
27	Rapid Structural Improvement of CVD-Grown Multi-Walled Carbon Nanotubes by Drastic Thermite Reaction. Nano, 2015, 10, 1550112.	1.0	2
28	One-pot preparation of thin nanoporous copper foils with enhanced light absorption and SERS properties. CrystEngComm, 2015, 17, 1296-1304.	2.6	20
29	A novel high-speed CMOS fully-differentical ring VCO. , 2014, , .		20
30	Highly sensitive detection of trinitrotoluene in water by chemiresistive sensor based on noncovalently amino functionalized single-walled carbon nanotube. Sensors and Actuators B: Chemical, 2014, 190, 529-534.	7.8	33
31	A Σ-Δ fractional-N frequency synthesizer in 0.18µM CMOS technology. , 2014, , .		0
32	Double-nucleation hydrothermal growth of dense and large-scale ZnO nanorod arrays with high aspect ratio on zinc substrate for stable photocatalytic property. Materials Letters, 2013, 107, 251-254.	2.6	11
33	Large-scale synthesis of few-walled carbon nanotubes by DC arc discharge in low-pressure flowing air. Materials Research Bulletin, 2013, 48, 3232-3235.	5.2	27
34	Solid organic acid tetrafluorohydroquinone functionalized single-walled carbon nanotube chemiresistive sensors for highly sensitive and selective formaldehyde detection. Sensors and Actuators B: Chemical, 2013, 177, 370-375.	7.8	44
35	A non-enzymatic glucose sensor based on the composite of cubic Cu nanoparticles and arc-synthesized multi-walled carbon nanotubes. Biosensors and Bioelectronics, 2013, 47, 86-91.	10.1	91
36	Arc synthesis of double-walled carbon nanotubes in low pressure air and their superior field emission properties. Carbon, 2013, 58, 92-98.	10.3	56

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37	Spontaneous intercalation of long-chain alkyl ammonium into edge-selectively oxidized graphite to efficiently produce high-quality graphene. Scientific Reports, 2013, 3, 2636.	3.3	40
38	Continuous and low-cost synthesis of high-quality multi-walled carbon nanotubes by arc discharge in air. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1639-1643.	2.7	40
39	Functionalized self-assembled monolayers on mesoporous silica nanoparticles with high surface coverage. Nanoscale Research Letters, 2012, 7, 334.	5.7	20
40	Doping of vanadium to nanocrystalline diamond films by hot filament chemical vapor deposition. Nanoscale Research Letters, 2012, 7, 441.	5.7	6
41	Structural improvement of CVD multi-walled carbon nanotubes by a rapid annealing process. Diamond and Related Materials, 2012, 25, 24-28.	3.9	25
42	Highly enhanced gas sensing in single-walled carbon nanotube-based thin-film transistor sensors by ultraviolet light irradiation. Nanoscale Research Letters, 2012, 7, 644.	5.7	18
43	Magnetic-field-induced diameter-selective synthesis of single-walled carbon nanotubes. Nanoscale, 2012, 4, 1717.	5.6	17
44	Synthesis of straight multi-walled carbon nanotubes by arc discharge in air and their field emission properties. Journal of Materials Science, 2012, 47, 6535-6541.	3.7	26
45	One-Step Cutting of Multi-Walled Carbon Nanotubes Using Nanoscissors. Nano-Micro Letters, 2011, 3, 86-90.	27.0	8
46	Preparation and characterization of LiTi2O4 anode material synthesized by one-step solid-state reaction. Ionics, 2010, 16, 425-429.	2.4	27