

Yanjie Su

List of Publications by Year in descending order

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139
papers

7,449
citations

41258

49
h-index

60497

81
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141
all docs

141
docs citations

141
times ranked

9832
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-doped, carbon-rich, highly photoluminescent carbon dots from ammonium citrate. <i>Nanoscale</i> , 2014, 6, 1890-1895.	2.8	793
2	Diffusion engineering of ions and charge carriers for stable efficient perovskite solar cells. <i>Nature Communications</i> , 2017, 8, 15330.	5.8	356
3	A green heterogeneous synthesis of N-doped carbon dots and their photoluminescence applications in solid and aqueous states. <i>Nanoscale</i> , 2014, 6, 10307-10315.	2.8	313
4	Controllable Synthesis of Fluorescent Carbon Dots and Their Detection Application as Nanoprobes. <i>Nano-Micro Letters</i> , 2013, 5, 247-259.	14.4	241
5	Design of Hetero-Nanostructures on MoS ₂ Nanosheets To Boost NO ₂ Room-Temperature Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22640-22649.	4.0	199
6	Fast one-step synthesis of N-doped carbon dots by pyrolyzing ethanolamine. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7477-7481.	2.7	150
7	Efficient long lifetime room temperature phosphorescence of carbon dots in a potash alum matrix. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2798-2801.	2.7	145
8	An ultrasensitive NO ₂ gas sensor based on a hierarchical Cu ₂ O/CuO mesocrystal nanoflower. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17120-17131.	5.2	122
9	Three-dimensional conductive networks based on stacked SiO ₂ @graphene frameworks for enhanced gas sensing. <i>Nanoscale</i> , 2017, 9, 109-118.	2.8	117
10	Ti ₃ C ₂ T _x MXene/graphene nanocomposites: Synthesis and application in electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152403.	2.8	108
11	Exceptional negative thermal expansion and viscoelastic properties of graphene oxide paper. <i>Carbon</i> , 2012, 50, 2804-2809.	5.4	107
12	Enhanced formaldehyde detection based on Ni doping of SnO ₂ nanoparticles by one-step synthesis. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 120-128.	4.0	107
13	One-step electrodeposition of nickel cobalt sulfide nanosheets on Ni nanowire film for hybrid supercapacitor. <i>Electrochimica Acta</i> , 2018, 259, 617-625.	2.6	104
14	Construction of MoS ₂ /SnO ₂ heterostructures for sensitive NO ₂ detection at room temperature. <i>Applied Surface Science</i> , 2019, 493, 613-619.	3.1	104
15	Interface engineered WS ₂ /ZnS heterostructures for sensitive and reversible NO ₂ room temperature sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126666.	4.0	98
16	A new strategy to prepare N-doped holey graphene for high-volumetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9739-9743.	5.2	96
17	Enhanced NO ₂ sensing performance of reduced graphene oxide by in situ anchoring carbon dots. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6862-6871.	2.7	93
18	Ultrasensitive room temperature NO ₂ sensors based on liquid phase exfoliated WSe ₂ nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 127013.	4.0	93

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19	A non-enzymatic glucose sensor based on the composite of cubic Cu nanoparticles and arc-synthesized multi-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2013, 47, 86-91.	5.3	91
20	Controllable synthesis of heterostructured CuO@NiO nanotubes and their synergistic effect for glycol gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127347.	4.0	87
21	Two-dimensional Cd-doped porous Co ₃ O ₄ nanosheets for enhanced room-temperature NO ₂ sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127393.	4.0	87
22	Morphology Control and Photocatalysis Enhancement by in Situ Hybridization of Cuprous Oxide with Nitrogen-Doped Carbon Quantum Dots. <i>Langmuir</i> , 2016, 32, 9418-9427.	1.6	86
23	Two-dimensional NiO nanosheets with enhanced room temperature NO ₂ sensing performance via Al doping. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19043-19049.	1.3	86
24	Light-assisted recovery for a highly-sensitive NO ₂ sensor based on RGO-CeO ₂ hybrids. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 119-129.	4.0	82
25	Paper-like graphene-Ag composite films with enhanced mechanical and electrical properties. <i>Nanoscale Research Letters</i> , 2013, 8, 32.	3.1	78
26	A Z-scheme photocatalyst for enhanced photocatalytic H ₂ evolution, constructed by growth of 2D plasmonic MoO _{3-x} nanoplates onto 2D g-C ₃ N ₄ nanosheets. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 213-223.	5.0	77
27	Tunable band gap Cu ₂ ZnSnS _{4-x} Se _{4(1-x)} nanocrystals: experimental and first-principles calculations. <i>CrystEngComm</i> , 2011, 13, 2222.	1.3	75
28	Sonochemical synthesis of hierarchical WO ₃ flower-like spheres for highly efficient triethylamine detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127536.	4.0	75
29	One-step synthesis of 2D C ₃ N ₄ -tin oxide gas sensors for enhanced acetone vapor detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 641-651.	4.0	74
30	Controllable synthesis of crescent-shaped porous NiO nanoplates for conductometric ethanol gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126642.	4.0	74
31	Hydrothermal synthesis of hexagonal CuSe nanoflakes with excellent sunlight-driven photocatalytic activity. <i>CrystEngComm</i> , 2014, 16, 9185-9190.	1.3	72
32	Direct Inkjet Printing of Aqueous Inks to Flexible All-Solid-State Graphene Hybrid Micro-Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46044-46053.	4.0	70
33	Carbon nanomaterials synthesized by arc discharge hot plasma. <i>Carbon</i> , 2015, 83, 90-99.	5.4	66
34	Glucose-assisted synthesis of hierarchical flower-like Co ₃ O ₄ nanostructures assembled by porous nanosheets for enhanced acetone sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 699-706.	4.0	66
35	Fast and recoverable NO ₂ detection achieved by assembling ZnO on Ti ₃ C ₂ MXene nanosheets under UV illumination at room temperature. <i>Nanoscale</i> , 2022, 14, 3441-3451.	2.8	65
36	Blue and green photoluminescence graphene quantum dots synthesized from carbon fibers. <i>Materials Letters</i> , 2013, 93, 161-164.	1.3	63

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37	Two-dimensional MoSe ₂ nanosheets via liquid-phase exfoliation for high-performance room temperature NO ₂ gas sensors. <i>Nanotechnology</i> , 2019, 30, 445503.	1.3	63
38	Carbon quantum dots decorated Cu ₂ S nanowire arrays for enhanced photoelectrochemical performance. <i>Nanoscale</i> , 2016, 8, 8559-8567.	2.8	62
39	Highly Enhanced Visible-Light-Driven Photoelectrochemical Performance of ZnO-Modified In ₂ S ₃ Nanosheet Arrays by Atomic Layer Deposition. <i>Nano-Micro Letters</i> , 2018, 10, 45.	14.4	62
40	ZnO nanowire/reduced graphene oxide nanocomposites for significantly enhanced photocatalytic degradation of Rhodamine 6G. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 56, 251-255.	1.3	61
41	Cobalt Doping To Boost the Electrochemical Properties of Ni@Ni ₃ S ₂ Nanowire Films for High-Performance Supercapacitors. <i>ChemSusChem</i> , 2017, 10, 4056-4065.	3.6	61
42	Hierarchically ZnIn ₂ S ₄ nanosheet-constructed microwire arrays: template-free synthesis and excellent photocatalytic performances. <i>Nanoscale</i> , 2018, 10, 4735-4744.	2.8	61
43	One-pot liquid-phase exfoliation from graphite to graphene with carbon quantum dots. <i>Nanoscale</i> , 2015, 7, 10527-10534.	2.8	59
44	Arc synthesis of double-walled carbon nanotubes in low pressure air and their superior field emission properties. <i>Carbon</i> , 2013, 58, 92-98.	5.4	56
45	Hierarchical WS ₂ @WO ₃ Nanohybrids with N Heterojunctions for NO ₂ Detection. <i>ACS Applied Nano Materials</i> , 2021, 4, 1626-1634.	2.4	56
46	Rapid solid-phase microwave synthesis of highly photoluminescent nitrogen-doped carbon dots for Fe ³⁺ detection and cellular bioimaging. <i>Nanotechnology</i> , 2016, 27, 395706.	1.3	55
47	Controlled growth of vertically aligned ultrathin In ₂ S ₃ nanosheet arrays for photoelectrochemical water splitting. <i>Nanoscale</i> , 2018, 10, 1153-1161.	2.8	54
48	Hierarchical CoNi ₂ S ₄ nanosheet/nanotube array structure on carbon fiber cloth for high-performance hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019, 305, 81-89.	2.6	54
49	Low-cost synthesis of single-walled carbon nanotubes by low-pressure air arc discharge. <i>Materials Research Bulletin</i> , 2014, 50, 23-25.	2.7	53
50	A Novel Artificial Neuron-Like Gas Sensor Constructed from CuS Quantum Dots/Bi ₂ S ₃ Nanosheets. <i>Nano-Micro Letters</i> , 2022, 14, 8.	14.4	53
51	Gold nanobipyramid@cuprous oxide jujube-like nanostructures for plasmon-enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 26-36.	10.8	52
52	Highly sensitive and recoverable room-temperature NO ₂ gas detection realized by 2D/0D MoS ₂ /ZnS heterostructures with synergistic effects. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130608.	4.0	50
53	A one-pot synthesis of reduced graphene oxide@Cu ₂ S quantum dot hybrids for optoelectronic devices. <i>Nanoscale</i> , 2013, 5, 8889.	2.8	49
54	Synthesis of CuInS ₂ nanowire arrays via solution transformation of Cu ₂ S self-template for enhanced photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 715-724.	10.8	49

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55	Non-woven fabric electrodes based on graphene-based fibers for areal-energy-dense flexible solid-state supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 392, 123692.	6.6	48
56	Design of p-n heterojunctions based on CuO decorated WS ₂ nanosheets for sensitive NH ₃ gas sensing at room temperature. <i>Nanotechnology</i> , 2021, 32, 445502.	1.3	48
57	Scalable synthesis of γ -Fe ₂ O ₃ /CNT composite as high-performance anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 770, 116-124.	2.8	47
58	Facile synthesis and photoelectric properties of carbon dots with upconversion fluorescence using arc-synthesized carbon by-products. <i>RSC Advances</i> , 2014, 4, 4839.	1.7	46
59	Inkjet-Printed Ultrathin MoS ₂ -Based Electrodes for Flexible In-Plane Microsupercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39444-39454.	4.0	45
60	Wearable NO ₂ sensing and wireless application based on ZnS nanoparticles/nitrogen-doped reduced graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130423.	4.0	44
61	Synthesis of single-walled carbon nanotubes with selective diameter distributions using DC arc discharge under CO mixed atmosphere. <i>Applied Surface Science</i> , 2011, 257, 3123-3127.	3.1	43
62	Highly repeatable and sensitive three-dimensional γ -Fe ₂ O ₃ @reduced graphene oxide gas sensors by magnetic-field assisted assembly process. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127546.	4.0	43
63	Construction, Application and Verification of a Novel Formaldehyde Gas Sensor System Based on Ni-Doped SnO ₂ Nanoparticles. <i>IEEE Sensors Journal</i> , 2021, 21, 11023-11030.	2.4	43
64	Graphene van der Waals heterostructures for high-performance photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11056-11067.	2.7	41
65	Novel Sn _x Se _{1-x} nanocrystals with tunable band gap: experimental and first-principles calculations. <i>Journal of Materials Chemistry</i> , 2011, 21, 12605.	6.7	40
66	Dual-targeted therapy in HER2-positive breast cancer cells with the combination of carbon dots/HER3 siRNA and trastuzumab. <i>Nanotechnology</i> , 2020, 31, 335102.	1.3	38
67	Diameter-control of single-walled carbon nanotubes produced by magnetic field-assisted arc discharge. <i>Carbon</i> , 2012, 50, 2556-2562.	5.4	36
68	Graphene/GaAs heterojunction for highly sensitive, self-powered Visible/NIR photodetectors. <i>Materials Science in Semiconductor Processing</i> , 2020, 111, 104989.	1.9	36
69	Hierarchically CuInS ₂ Nanosheet-Constructed Nanowire Arrays for Photoelectrochemical Water Splitting. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600494.	1.9	35
70	Prickly Ni ₃ S ₂ nanowires modified CdS nanoparticles for highly enhanced visible-light photocatalytic H ₂ production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6618-6626.	3.8	35
71	Highly Sensitive Room-Temperature NO ₂ Gas Sensors Based on Three-Dimensional Multiwalled Carbon Nanotube Networks on SiO ₂ Nanospheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13915-13923.	3.2	34
72	High-Performance Wearable Sensor Inspired by the Neuron Conduction Mechanism through Gold-Induced Sulfur Vacancies. <i>ACS Sensors</i> , 2022, 7, 816-826.	4.0	34

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73	Rapid mass production of ZnO nanowires by a modified carbothermal reduction method. <i>Materials Letters</i> , 2011, 65, 832-835.	1.3	33
74	Gas sensor based on defective graphene/pristine graphene hybrid towards high sensitivity detection of NO ₂ . <i>AIP Advances</i> , 2019, 9, .	0.6	33
75	Highly sensitive NO ₂ gas sensors based on hexagonal SnS ₂ nanoplates operating at room temperature. <i>Nanotechnology</i> , 2020, 31, 075501.	1.3	30
76	Semiconducting single-walled carbon nanotube/graphene van der Waals junctions for highly sensitive all-carbon hybrid humidity sensors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3386-3394.	2.7	30
77	Highly Sensitive Broadband Single-Walled Carbon Nanotube Photodetectors Enhanced by Separated Graphene Nanosheets. <i>Advanced Optical Materials</i> , 2018, 6, 1800791.	3.6	29
78	Multichannel Room-Temperature Gas Sensors Based on Magnetic-Field-Aligned 3D Fe ₃ O ₄ @SiO ₂ @Reduced Graphene Oxide Spheres. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37418-37426.	4.0	29
79	Facile synthesis of amine-functionalized graphene quantum dots with highly pH-sensitive photoluminescence. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 704-709.	1.0	28
80	Noble metal (Ag, Au, Pd and Pt) doped TaS ₂ monolayer for gas sensing: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18359-18368.	1.3	28
81	Large-scale synthesis of few-walled carbon nanotubes by DC arc discharge in low-pressure flowing air. <i>Materials Research Bulletin</i> , 2013, 48, 3232-3235.	2.7	27
82	Controllable synthesis and photoelectric property of hexagonal SnS ₂ nanoflakes by Triton X-100 assisted hydrothermal method. <i>Materials Letters</i> , 2013, 111, 204-207.	1.3	27
83	In situ preparation of magnetic Ni-Au/graphene nanocomposites with electron-enhanced catalytic performance. <i>Journal of Alloys and Compounds</i> , 2017, 706, 377-386.	2.8	27
84	Binder-Free, Flexible, and Self-Standing Non-Woven Fabric Anodes Based on Graphene/Si Hybrid Fibers for High-Performance Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27270-27277.	4.0	27
85	Rapid synthesis and characterization of magnesium oxide nanocubes via DC arc discharge. <i>Materials Letters</i> , 2011, 65, 100-103.	1.3	26
86	Synthesis of straight multi-walled carbon nanotubes by arc discharge in air and their field emission properties. <i>Journal of Materials Science</i> , 2012, 47, 6535-6541.	1.7	26
87	Self-Powered Broadband Photodetector Based on Single-Walled Carbon Nanotube/GaAs Heterojunctions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15532-15539.	3.2	26
88	Structural improvement of CVD multi-walled carbon nanotubes by a rapid annealing process. <i>Diamond and Related Materials</i> , 2012, 25, 24-28.	1.8	25
89	Controlled one-step synthesis of spiky polycrystalline nickel nanowires with enhanced magnetic properties. <i>CrystEngComm</i> , 2014, 16, 8442.	1.3	25
90	Linear humidity response of carbon dot-modified molybdenum disulfide. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4083-4091.	1.3	25

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91	Room temperature DMMP gas sensing based on cobalt phthalocyanine derivative/graphene quantum dot hybrid materials. RSC Advances, 2021, 11, 14805-14813.	1.7	24
92	Three-Dimensional Fe ₃ O ₄ @Reduced Graphene Oxide Heterojunctions for High-Performance Room-Temperature NO ₂ Sensors. Frontiers in Materials, 2019, 6, .	1.2	23
93	Hydrothermal synthesis of porous copper microspheres towards efficient 4-nitrophenol reduction. Materials Research Bulletin, 2016, 83, 329-335.	2.7	22
94	Enhancing room-temperature NO ₂ gas sensing performance based on a metal phthalocyanine/graphene quantum dot hybrid material. RSC Advances, 2021, 11, 5618-5628.	1.7	22
95	Facile one-pot synthesis and band gap calculations of Zn _x Cd _{1-x} S nanorods. Materials Letters, 2013, 102-103, 94-97.	1.3	20
96	One-pot preparation of thin nanoporous copper foils with enhanced light absorption and SERS properties. CrystEngComm, 2015, 17, 1296-1304.	1.3	20
97	Length-controlled synthesis of single-walled carbon nanotubes by arc discharge with variable cathode diameters. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1548-1551.	1.3	18
98	One-pot synthesis of ultranarrow single crystal ZnSe nanowires. Materials Letters, 2012, 67, 269-272.	1.3	18
99	Magnetic-field-induced diameter-selective synthesis of single-walled carbon nanotubes. Nanoscale, 2012, 4, 1717.	2.8	17
100	Hexagonally ordered microbowl arrays decorated with ultrathin CuInS ₂ nanosheets for enhanced photoelectrochemical performance. Journal of Energy Chemistry, 2020, 51, 134-142.	7.1	17
101	Band gap tunable Sn-doped PbSe nanocrystals: solvothermal synthesis and first-principles calculations. CrystEngComm, 2012, 14, 7408.	1.3	16
102	Synthesis of carbon nanotubes on graphene quantum dot surface by catalyst free chemical vapor deposition. Carbon, 2014, 68, 399-405.	5.4	16
103	A hybrid catalyst composed of reduced graphene oxide/Cu ₂ S quantum dots as a transparent counter electrode for dye sensitized solar cells. RSC Advances, 2015, 5, 9075-9078.	1.7	16
104	Bandgap tuning and photocatalytic activities of CuSe _{1-x} S _x nanoflakes. Ceramics International, 2016, 42, 211-219.	2.3	16
105	Binary nanosheet frameworks of graphene/polyaniline composite for high-area flexible supercapacitors. Materials Chemistry and Physics, 2021, 273, 125128.	2.0	15
106	Synthesis of ternary Pb _x Sn _{1-x} S nanocrystals with tunable band gap. CrystEngComm, 2011, 13, 6628.	1.3	14
107	Facile synthesis of single-crystalline mesoporous NiO nanosheets as high-performance anode materials for Li-ion batteries. Journal of Materials Science: Materials in Electronics, 2017, 28, 13853-13860.	1.1	14
108	Enhancing room-temperature NO ₂ detection of cobalt phthalocyanine based gas sensor at an ultralow laser exposure. Physical Chemistry Chemical Physics, 2020, 22, 18499-18506.	1.3	14

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109	Self-templated growth of CuInS ₂ nanosheet arrays for photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2019, 809, 151794.	2.8	13
110	Classification and Concentration Prediction of VOCs With High Accuracy Based on an Electronic Nose Using an ELM-ELM Integrated Algorithm. <i>IEEE Sensors Journal</i> , 2022, 22, 14458-14469.	2.4	13
111	Zn _x Cd _{1-x} Se nanomultipods with tunable band gaps: synthesis and first-principles calculations. <i>Nanotechnology</i> , 2013, 24, 235706.	1.3	12
112	Hierarchically porous micro/nanostructured copper surfaces with enhanced antireflection and hydrophobicity. <i>Applied Surface Science</i> , 2016, 361, 11-17.	3.1	11
113	Metal-organic frameworks and their derivatives as anode material in lithium-ion batteries: Recent advances towards novel configurations. <i>International Journal of Energy Research</i> , 2022, 46, 13178-13204.	2.2	10
114	Highly compressible carbon nanowires synthesized by coating single-walled carbon nanotubes. <i>Carbon</i> , 2011, 49, 3579-3584.	5.4	9
115	Enhancing the photosensitivity of C ₆₀ nanorod visible photodetectors by coupling with Cu ₂ O nanocubes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1715-1721.	2.7	9
116	Controllable Synthesis of Fluorescent Carbon Dots and Their Detection Application as Nanoprobes. <i>Nano-Micro Letters</i> , 2013, 5, 247.	14.4	9
117	Laser-Induced MoO _x /Sulfur-Doped Graphene Hybrid Frameworks as Efficient Antibacterial Agents. <i>Langmuir</i> , 2021, 37, 1596-1604.	1.6	8
118	Microwave-Assisted Chitosan-Functionalized Graphene Oxide as Controlled Intracellular Drug Delivery Nanosystem for Synergistic Antitumour Activity. <i>Nanoscale Research Letters</i> , 2021, 16, 75.	3.1	8
119	NO ₂ gas sensor based on graphene decorated with Ge quantum dots. <i>Nanotechnology</i> , 2019, 30, 074004.	1.3	6
120	PANI/Graphene quantum dots/graphene co-coated compressed non-woven towel for wearable energy storage. <i>Synthetic Metals</i> , 2020, 270, 116571.	2.1	6
121	Synthesis and optoelectronic properties of reduced graphene oxide/InP quantum dot hybrids. <i>RSC Advances</i> , 2016, 6, 97861-97864.	1.7	5
122	ZnO Nanotapered Arrays With Successively Modulated Sharpness Via a Supersaturation-Controlled Hydrothermal Reaction for Efficient Field Emitters. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 261-267.	1.1	5
123	3D highly efficient photonic micro concave-pit arrays for enhanced solar water splitting. <i>Nanoscale</i> , 2019, 11, 18071-18080.	2.8	5
124	In-plane Defect Engineering Enabling Ultra-stable Graphene Paper-based Hosts for Lithium Metal Anodes. <i>ChemElectroChem</i> , 2021, 8, 3273-3281.	1.7	5
125	Controlled Synthesis of Different Metal Oxide Nanostructures by Direct Current Arc Discharge. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1078-1081.	0.9	4
126	ZnO nanoplate clusters with numerous enlarged catalytic interface exposures via a hydrothermal method for improved and recyclable photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1576-1583.	1.1	4

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127	Carbon Foam Fibers with a Concentric Tubeâ€Core/Threeâ€Dimensional Nanosheetâ€Sheath Structure for Highâ€Performance Lithiumâ€Sulfur Batteries. ChemElectroChem, 2021, 8, 873-879.	1.7	4
128	Lithium titanate nanoplates embedded with graphene quantum dots as electrode materials for high-rate lithium-ion batteries. Nanotechnology, 2021, 32, 505403.	1.3	4
129	Vapor-phase chemical synthesis of magnesium oxide nanowires by DC arc discharge. Journal of Nanoparticle Research, 2011, 13, 3229-3233.	0.8	3
130	Photolithography enhancement by incorporating photoluminescent nanoscale cesium iodide molecular dots into the photoresists. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	2
131	Group III dopant segregation and semiconductor-to-metal transition in ZnO nanowires: a first principles study. RSC Advances, 2013, 3, 19793.	1.7	2
132	Enhanced electron field emission characteristics of single-walled carbon nanotube films by ultrasonic bonding. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 63, 165-168.	1.3	2
133	Conducting polymer-bridged three-dimensional heterojunctions of reduced graphene oxide/ Fe_2O_3 hybrids for high-performance NO ₂ gas sensing. Results in Surfaces and Interfaces, 2022, 7, 100057.	1.0	1
134	All-Carbon van der Waals Heterojunction Photodetectors. Springer Series in Materials Science, 2022, , 131-147.	0.4	0
135	Carbon-Based Heterojunction Broadband Photodetectors. Springer Series in Materials Science, 2022, , 91-129.	0.4	0
136	Introduction of Carbon Nanostructures. Springer Series in Materials Science, 2022, , 1-26.	0.4	0
137	Carbon Nanotube/semiconductor van der Waals Heterojunction Solar Cells. Springer Series in Materials Science, 2022, , 149-170.	0.4	0
138	Characterizations of Carbon Nanotubes and Graphene. Springer Series in Materials Science, 2022, , 65-90.	0.4	0
139	Controlled Growths of Carbon Nanotubes and Graphene. Springer Series in Materials Science, 2022, , 41-64.	0.4	0