

Yanjie Su

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

137
papers

5,225
citations

43
h-index

67
g-index

141
ext. papers

6,375
ext. citations

6.3
avg, IF

5.82
L-index

#	Paper	IF	Citations
137	All-Carbon van der Waals Heterojunction Photodetectors. <i>Springer Series in Materials Science</i> , 2022 , 131-147	0.9	1
136	Carbon-Based Heterojunction Broadband Photodetectors. <i>Springer Series in Materials Science</i> , 2022 , 91-129	0.9	1
135	Introduction of Carbon Nanostructures. <i>Springer Series in Materials Science</i> , 2022 , 1-26	0.9	0
134	Carbon Nanotube/semiconductor van der Waals Heterojunction Solar Cells. <i>Springer Series in Materials Science</i> , 2022 , 149-170	0.9	0
133	Characterizations of Carbon Nanotubes and Graphene. <i>Springer Series in Materials Science</i> , 2022 , 65-90	0.9	0
132	Toward All-Carbon Hybrid Solar Cells. <i>Springer Series in Materials Science</i> , 2022 , 171-185	0.9	0
131	Controlled Growths of Carbon Nanotubes and Graphene. <i>Springer Series in Materials Science</i> , 2022 , 41-64	0.9	0
130	Conducting polymer-bridged three-dimensional heterojunctions of reduced graphene oxide/Fe ₂ O ₃ hybrids for high-performance NO ₂ gas sensing. <i>Results in Surfaces and Interfaces</i> , 2022 , 7, 100057	0	1
129	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 , 1-1	4	2
128	A Novel Artificial Neuron-Like Gas Sensor Constructed from CuS Quantum Dots/BiS Nanosheets. <i>Nano-Micro Letters</i> , 2021 , 14, 8	19.5	8
127	Microwave-Assisted Chitosan-Functionalized Graphene Oxide as Controlled Intracellular Drug Delivery Nanosystem for Synergistic Antitumour Activity. <i>Nanoscale Research Letters</i> , 2021 , 16, 75	5	0
126	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	4	12
125	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	9.5	7
124	In-plane Defect Engineering Enabling Ultra-stable Graphene Paper-based Hosts for Lithium Metal Anodes. <i>ChemElectroChem</i> , 2021 , 8, 3273-3281	4.3	2
123	Laser-Induced MoO/Sulfur-Doped Graphene Hybrid Frameworks as Efficient Antibacterial Agents. <i>Langmuir</i> , 2021 , 37, 1596-1604	4	5
122	Enhancing room-temperature NO gas sensing performance based on a metal phthalocyanine/graphene quantum dot hybrid material.. <i>RSC Advances</i> , 2021 , 11, 5618-5628	3.7	4
121	Noble metal (Ag, Au, Pd and Pt) doped TaS monolayer for gas sensing: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 18359-18368	3.6	5

120	Hierarchical WS ₂ /WO ₃ Nanohybrids with P-N Heterojunctions for NO ₂ Detection. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1626-1634	5.6	10
119	Carbon Foam Fibers with a Concentric Tube-Core/Three-Dimensional Nanosheet-Sheath Structure for High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2021 , 8, 873-879	4.3	4
118	Design of p-p heterojunctions based on CuO decorated WS ₂ nanosheets for sensitive NH ₃ gas sensing at room temperature. <i>Nanotechnology</i> , 2021 , 32,	3.4	8
117	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	8.5	7
116	Binary nanosheet frameworks of graphene/polyaniline composite for high-area flexible supercapacitors. <i>Materials Chemistry and Physics</i> , 2021 , 273, 125128	4.4	3
115	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	8.5	12
114	Room temperature DMMP gas sensing based on cobalt phthalocyanine derivative/graphene quantum dot hybrid materials.. <i>RSC Advances</i> , 2021 , 11, 14805-14813	3.7	4
113	Graphene/GaAs heterojunction for highly sensitive, self-powered Visible/NIR photodetectors. <i>Materials Science in Semiconductor Processing</i> , 2020 , 111, 104989	4.3	18
112	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	7.1	19
111	Hexagonally ordered microbowl arrays decorated with ultrathin CuInS ₂ nanosheets for enhanced photoelectrochemical performance. <i>Journal of Energy Chemistry</i> , 2020 , 51, 134-142	12	7
110	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	8.5	43
109	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	8.5	49
108	Highly sensitive NO gas sensors based on hexagonal SnS nanoplates operating at room temperature. <i>Nanotechnology</i> , 2020 , 31, 075501	3.4	15
107	Highly repeatable and sensitive three-dimensional 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	8.5	29
106	Sonochemical synthesis of hierarchical WO ₃ flower-like spheres for highly efficient triethylamine detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 306, 127536	8.5	46
105	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	14.7	30
104	Self-Powered Broadband Photodetector Based on Single-Walled Carbon Nanotube/GaAs Heterojunctions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 15532-15539	8.3	11
103	A Z-scheme photocatalyst for enhanced photocatalytic H ₂ evolution, constructed by growth of 2D plasmonic MoO ₃ nanoplates onto 2D g-CN nanosheets. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 213-223	9.3	44

102	Inkjet-Printed Ultrathin MoS-Based Electrodes for Flexible In-Plane Microsupercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39444-39454	9.5	22
101	Enhancing room-temperature NO detection of cobalt phthalocyanine based gas sensor at an ultralow laser exposure. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18499-18506	3.6	4
100	Multichannel Room-Temperature Gas Sensors Based on Magnetic-Field-Aligned 3D FeO@SiO@Reduced Graphene Oxide Spheres. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37418-37426	9.5	11
99	PANI/Graphene quantum dots/graphene co-coated compressed non-woven towel for wearable energy storage. <i>Synthetic Metals</i> , 2020 , 270, 116571	3.6	4
98	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	8.3	11
97	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	5.7	43
96	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	3.4	20
95	Three-Dimensional Fe ₃ O ₄ @Reduced Graphene Oxide Heterojunctions for High-Performance Room-Temperature NO ₂ Sensors. <i>Frontiers in Materials</i> , 2019 , 6,	4	19
94	Ultrasensitive room temperature NO ₂ sensors based on liquid phase exfoliated WSe ₂ nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2019 , 300, 127013	8.5	48
93	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	8.5	55
92	Controllable synthesis of crescent-shaped porous NiO nanoplates for conductometric ethanol gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2019 , 296, 126642	8.5	45
91	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	6.7	33
90	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	8.5	44
89	Scalable synthesis of 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	5.7	32
88	Graphene van der Waals heterostructures for high-performance photodetectors. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11056-11067	7.1	21
87	Self-templated growth of CuInS ₂ nanosheet arrays for photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2019 , 809, 151794	5.7	9
86	3D highly efficient photonic micro concave-pit arrays for enhanced solar water splitting. <i>Nanoscale</i> , 2019 , 11, 18071-18080	7.7	3
85	Gas sensor based on defective graphene/pristine graphene hybrid towards high sensitivity detection of NO ₂ . <i>AIP Advances</i> , 2019 , 9, 075207	1.5	22

84	Construction of MoS ₂ /SnO ₂ heterostructures for sensitive NO ₂ detection at room temperature. <i>Applied Surface Science</i> , 2019 , 493, 613-619	6.7	58
83	Two-dimensional MoSe nanosheets via liquid-phase exfoliation for high-performance room temperature NO gas sensors. <i>Nanotechnology</i> , 2019 , 30, 445503	3.4	33
82	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	9.5	50
81	NO gas sensor based on graphene decorated with Ge quantum dots. <i>Nanotechnology</i> , 2019 , 30, 074004	3.4	5
80	Gold nanobipyramid@cuprous oxide jujube-like nanostructures for plasmon-enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018 , 234, 26-36	21.8	36
79	Highly Enhanced Visible-Light-Driven Photoelectrochemical Performance of ZnO-Modified InS Nanosheet Arrays by Atomic Layer Deposition. <i>Nano-Micro Letters</i> , 2018 , 10, 45	19.5	49
78	Hierarchically ZnInS nanosheet-constructed microwire arrays: template-free synthesis and excellent photocatalytic performances. <i>Nanoscale</i> , 2018 , 10, 4735-4744	7.7	38
77	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	7.1	8
76	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	8.5	66
75	Linear humidity response of carbon dot-modified molybdenum disulfide. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4083-4091	3.6	15
74	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	13	92
73	Design of Hetero-Nanostructures on MoS Nanosheets To Boost NO Room-Temperature Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22640-22649	9.5	121
72	One-step electrodeposition of nickel cobalt sulfide nanosheets on Ni nanowire film for hybrid supercapacitor. <i>Electrochimica Acta</i> , 2018 , 259, 617-625	6.7	70
71	Controlled growth of vertically aligned ultrathin InS nanosheet arrays for photoelectrochemical water splitting. <i>Nanoscale</i> , 2018 , 10, 1153-1161	7.7	45
70	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	2.1	3
69	Highly Sensitive Broadband Single-Walled Carbon Nanotube Photodetectors Enhanced by Separated Graphene Nanosheets. <i>Advanced Optical Materials</i> , 2018 , 6, 1800791	8.1	21
68	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	8.5	54
67	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	5.7	20

66	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	6.7	28
65	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	7.1	66
64	Diffusion engineering of ions and charge carriers for stable efficient perovskite solar cells. <i>Nature Communications</i> , 2017 , 8, 15330	17.4	290
63	Facile synthesis of single-crystalline mesoporous NiO nanosheets as high-performance anode materials for Li-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 13853-13860 ^{2.1}	2.1	13
62	Cobalt Doping To Boost the Electrochemical Properties of Ni@Ni S Nanowire Films for High-Performance Supercapacitors. <i>ChemSusChem</i> , 2017 , 10, 4056-4065	8.3	51
61	Two-dimensional NiO nanosheets with enhanced room temperature NO sensing performance via Al doping. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 19043-19049	3.6	59
60	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	8.5	52
59	Three-dimensional conductive networks based on stacked SiO@graphene frameworks for enhanced gas sensing. <i>Nanoscale</i> , 2017 , 9, 109-118	7.7	102
58	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	21.8	35
57	Facile synthesis of amine-functionalized graphene quantum dots with highly pH-sensitive photoluminescence. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017 , 25, 704-709	1.8	20
56	Bandgap tuning and photocatalytic activities of CuSe _{1-x} S _x nanoflakes. <i>Ceramics International</i> , 2016 , 42, 211-219	5.1	11
55	Hierarchically CuInS ₂ Nanosheet-Constructed Nanowire Arrays for Photoelectrochemical Water Splitting. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600494	4.6	22
54	Synthesis and optoelectronic properties of reduced graphene oxide/InP quantum dot hybrids. <i>RSC Advances</i> , 2016 , 6, 97861-97864	3.7	4
53	Hydrothermal synthesis of porous copper microspheres towards efficient 4-nitrophenol reduction. <i>Materials Research Bulletin</i> , 2016 , 83, 329-335	5.1	15
52	Carbon quantum dots decorated Cu ₂ S nanowire arrays for enhanced photoelectrochemical performance. <i>Nanoscale</i> , 2016 , 8, 8559-67	7.7	54
51	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	2.6	3
50	Hierarchically porous micro/nanostructured copper surfaces with enhanced antireflection and hydrophobicity. <i>Applied Surface Science</i> , 2016 , 361, 11-17	6.7	6
49	A new strategy to prepare N-doped holey graphene for high-volumetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9739-9743	13	84

48	Morphology Control and Photocatalysis Enhancement by in Situ Hybridization of Cuprous Oxide with Nitrogen-Doped Carbon Quantum Dots. <i>Langmuir</i> , 2016 , 32, 9418-27	4	76
47	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	3-4	45
46	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	7-1	116
45	One-pot liquid-phase exfoliation from graphite to graphene with carbon quantum dots. <i>Nanoscale</i> , 2015 , 7, 10527-34	7-7	52
44	One-pot preparation of thin nanoporous copper foils with enhanced light absorption and SERS properties. <i>CrystEngComm</i> , 2015 , 17, 1296-1304	3-3	19
43	Carbon nanomaterials synthesized by arc discharge hot plasma. <i>Carbon</i> , 2015 , 83, 90-99	10-4	46
42	A hybrid catalyst composed of reduced graphene oxide/Cu ₂ S quantum dots as a transparent counter electrode for dye sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 9075-9078	3-7	16
41	Enhanced electron field emission characteristics of single-walled carbon nanotube films by ultrasonic bonding. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 63, 165-168	3	2
40	Synthesis of carbon nanotubes on graphene quantum dot surface by catalyst free chemical vapor deposition. <i>Carbon</i> , 2014 , 68, 399-405	10-4	14
39	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, 251-253	3	60
38	Hydrothermal synthesis of hexagonal CuSe nanoflakes with excellent sunlight-driven photocatalytic activity. <i>CrystEngComm</i> , 2014 , 16, 9185-9190	3-3	56
37	Facile synthesis and photoelectric properties of carbon dots with upconversion fluorescence using arc-synthesized carbon by-products. <i>RSC Advances</i> , 2014 , 4, 4839	3-7	32
36	A green heterogeneous synthesis of N-doped carbon dots and their photoluminescence applications in solid and aqueous states. <i>Nanoscale</i> , 2014 , 6, 10307-15	7-7	258
35	Fast one-step synthesis of N-doped carbon dots by pyrolyzing ethanolamine. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7477-7481	7-1	126
34	Nitrogen-doped, carbon-rich, highly photoluminescent carbon dots from ammonium citrate. <i>Nanoscale</i> , 2014 , 6, 1890-5	7-7	668
33	Controlled one-step synthesis of spiky polycrystalline nickel nanowires with enhanced magnetic properties. <i>CrystEngComm</i> , 2014 , 16, 8442	3-3	25
32	Low-cost synthesis of single-walled carbon nanotubes by low-pressure air arc discharge. <i>Materials Research Bulletin</i> , 2014 , 50, 23-25	5-1	38
31	Paper-like graphene-Ag composite films with enhanced mechanical and electrical properties. <i>Nanoscale Research Letters</i> , 2013 , 8, 32	5	66

30	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	5.1	23
29	Facile one-pot synthesis and band gap calculations of ZnxCd1-xS nanorods. <i>Materials Letters</i> , 2013 , 102-103, 94-97	3.3	19
28	Photolithography enhancement by incorporating photoluminescent nanoscale cesium iodide molecular dots into the photoresists. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	2
27	A one-pot synthesis of reduced graphene oxide-CuS quantum dot hybrids for optoelectronic devices. <i>Nanoscale</i> , 2013 , 5, 8889-93	7.7	45
26	Group III dopant segregation and semiconductor-to-metal transition in ZnO nanowires: a first principles study. <i>RSC Advances</i> , 2013 , 3, 19793	3.7	2
25	Controllable synthesis and photoelectric property of hexagonal SnS2 nanoflakes by Triton X-100 assisted hydrothermal method. <i>Materials Letters</i> , 2013 , 111, 204-207	3.3	24
24	Blue and green photoluminescence graphene quantum dots synthesized from carbon fibers. <i>Materials Letters</i> , 2013 , 93, 161-164	3.3	57
23	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	11.8	76
22	Arc synthesis of double-walled carbon nanotubes in low pressure air and their superior field emission properties. <i>Carbon</i> , 2013 , 58, 92-98	10.4	44
21	Controllable Synthesis of Fluorescent Carbon Dots and Their Detection Application as Nanoprobes. <i>Nano-Micro Letters</i> , 2013 , 5, 247-259	19.5	200
20	Zn(x)Cd(1-x)Se nanomultipods with tunable band gaps: synthesis and first-principles calculations. <i>Nanotechnology</i> , 2013 , 24, 235706	3.4	10
19	Controlled synthesis of different metal oxide nanostructures by direct current arc discharge. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1078-81	1.3	4
18	Controllable Synthesis of Fluorescent Carbon Dots and Their Detection Application as Nanoprobes 2013 , 5, 247		7
17	One-pot synthesis of ultranarrow single crystal ZnSe nanowires. <i>Materials Letters</i> , 2012 , 67, 269-272	3.3	14
16	Band gap tunable Sn-doped PbSe nanocrystals: solvothermal synthesis and first-principles calculations. <i>CrystEngComm</i> , 2012 , 14, 7408	3.3	15
15	Length-controlled synthesis of single-walled carbon nanotubes by arc discharge with variable cathode diameters. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1548-1551	3	15
14	Structural improvement of CVD multi-walled carbon nanotubes by a rapid annealing process. <i>Diamond and Related Materials</i> , 2012 , 25, 24-28	3.5	21
13	Magnetic-field-induced diameter-selective synthesis of single-walled carbon nanotubes. <i>Nanoscale</i> , 2012 , 4, 1717-21	7.7	16

12	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	4.3	20
11	Diameter-control of single-walled carbon nanotubes produced by magnetic field-assisted arc discharge. <i>Carbon</i> , 2012 , 50, 2556-2562	10.4	30
10	Exceptional negative thermal expansion and viscoelastic properties of graphene oxide paper. <i>Carbon</i> , 2012 , 50, 2804-2809	10.4	87
9	Novel SnS _x Se _{1-x} nanocrystals with tunable band gap: experimental and first-principles calculations. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12605		34
8	Rapid synthesis and characterization of magnesium oxide nanocubes via DC arc discharge. <i>Materials Letters</i> , 2011 , 65, 100-103	3.3	20
7	Rapid mass production of ZnO nanowires by a modified carbothermal reduction method. <i>Materials Letters</i> , 2011 , 65, 832-835	3.3	31
6	Vapor-phase chemical synthesis of magnesium oxide nanowires by DC arc discharge. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 3229-3233	2.3	3
5	Synthesis of ternary Pb _x Sn _{1-x} S nanocrystals with tunable band gap. <i>CrystEngComm</i> , 2011 , 13, 6628	3.3	14
4	Tunable band gap Cu ₂ ZnSnS ₄ xSe _{4(1-x)} nanocrystals: experimental and first-principles calculations. <i>CrystEngComm</i> , 2011 , 13, 2222	3.3	67
3	Highly compressible carbon nanowires synthesized by coating single-walled carbon nanotubes. <i>Carbon</i> , 2011 , 49, 3579-3584	10.4	8
2	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	6.7	35
1	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> ,	4.5	0