Shancheng Yan

List of Publications by Year
in descending order

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100 papers	1,513 citations	279798 23 h-index	395702 33 g-index
100 all docs	100 docs citations	100 times ranked	2754 citing authors

#	Article	IF	Citations
1	Synthesis of Co2FeAl alloys as highly efficient electrocatalysts for alkaline hydrogen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 13399-13408.	7.1	8
2	Controllable Edge Epitaxy of Helical GeSe/GeS Heterostructures. Nano Letters, 2022, 22, 5086-5093.	9.1	8
3	Developments in stability and passivation strategies for black phosphorus. Nano Research, 2021, 14, 4386-4397.	10.4	18
4	Fabrication of NiS₂ Nanomaterials for Cd²⁺ Sensing. Journal of Nanoscience and Nanotechnology, 2021, 21, 2117-2122.	0.9	0
5	Topotactic Growth of Free-Standing Two-Dimensional Perovskite Niobates with Low Symmetry Phase. Nano Letters, 2021, 21, 4700-4707.	9.1	4
6	Effect of Co Doping on Electrocatalytic Performance of Co-NiS2/CoS2 Heterostructures. Nanomaterials, 2021, 11, 1245.	4.1	3
7	Synthesis of Agâ€“Cu alloy nanosheets for ascorbic acid detection. Materials Express, 2021, 11, 1001-1006.	0.5	3
8	Synthesis of NiS2 nanomaterial as wide range pressure sensor. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, 062807.	1.2	0
9	Fabrication and Electrical Properties of Silver Telluride Nanowires. Journal of Nanoscience and Nanotechnology, 2020, 20, 2628-2632.	0.9	7
10	Hydroxyl-Assisted Phosphorene Stabilization with Robust Device Performances. Nano Letters, 2020, 20, 81-87.	9.1	21
11	Ultrafine Co:FeS₂/CoS₂ Heterostructure Nanowires for Highly Efficient Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 514-520.	5.1	30
12	Co-FeS2/CoS2 Heterostructured Nanomaterials for pH Sensing. Sensors, 2020, 20, 5571.	3.8	1
13	Solution-Based Synthesis of Layered Two-Dimensional Oxides as Broadband Emitters. ACS Nano, 2020, 14, 15544-15551.	14.6	5
14	Hydrothermal Synthesis of Polyhedral Nickel Sulfide by Dual Sulfur Source for Highly-Efficient Hydrogen Evolution Catalysis. Nanomaterials, 2020, 10, 2115.	4.1	8
15	Preparation of SnO Nanoshells with Enhanced Lithium-Storage Properties. Journal of Nanoscience and Nanotechnology, 2020, 20, 1832-1837.	0.9	0
16	Fabrication of C/Co-FeS2/CoS2 with Highly Efficient Hydrogen Evolution Reaction. Catalysts, 2019, 9, 556.	3.5	10
17	The fabrication of Co:ZnS/CoS2 heterostructure nanowires with a superior hydrogen evolution performance. Sustainable Energy and Fuels, 2019, 3, 2771-2778.	4.9	2
18	Emotion Recognition Based on Double Tree Complex Wavelet Transform and Machine Learning in Internet of Things. IEEE Access, 2019, 7, 154114-154120.	4.2	14

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19	Fatigue EEG Feature Extraction Based on Tasks With Different Physiological States for Ubiquitous Edge Computing. IEEE Access, 2019, 7, 73057-73064.	4.2	11
20	Production of SnS2 Nanostructure as Improved Light-Assisted Electrochemical Water Splitting. Nanomaterials, 2019, 9, 1244.	4.1	16
21	Ultra-Sensitive Dopamine Sensor Using Stable Black Phosphorus Quantum Dots. Journal of Nanoscience and Nanotechnology, 2019, 19, 5762-5768.	0.9	17
22	High-Sensitive Ammonia Sensors Based on Tin Monoxide Nanoshells. Nanomaterials, 2019, 9, 388.	4.1	33
23	Multivariate Control of Effective Cobalt Doping in Tungsten Disulfide for Highly Efficient Hydrogen Evolution Reaction. Scientific Reports, 2019, 9, 1357.	3.3	16
24	Improving hydrogen evolution performance of Co:FeS2/CoS2 nano-heterostructure at elevated temperatures. Materials Express, 2019, 9, 786-791.	0.5	2
25	Fabrication of SnS₂/SnS Heterojunction with Enhanced Light-Assisted Electrochemical Water Splitting Performance. Journal of Nanoscience and Nanotechnology, 2019, 19, 950-955.	0.9	2
26	GeO₂ Encapsulated Ge Nanostructure with Enhanced Lithiumâ€Storage Properties. Advanced Functional Materials, 2019, 29, 1807946.	14.9	53
27	Three-dimensional Architecture Enabled by Strained Two-dimensional Material Heterojunction. Nano Letters, 2018, 18, 1819-1825.	9.1	24
28	Accessing valley degree of freedom in bulk Tin(II) sulfide at room temperature. Nature Communications, 2018, 9, 1455.	12.8	56
29	Solution synthesis of stannous sulfide and stannic disulfide quantum dots for their optical and electronic properties. Optics Communications, 2018, 406, 239-243.	2.1	5
30	Solution-Based, Template-Assisted Realization of Large-Scale Graphitic ZnO. ACS Nano, 2018, 12, 7554-7561.	14.6	23
31	Hierarchical Coâ€“FeS₂/CoS₂ heterostructures as a superior bifunctional electrocatalyst. RSC Advances, 2018, 8, 28684-28691.	3.6	41
32	Stable black phosphorus quantum dots for alkali PH sensor. Optics Communications, 2018, 406, 91-94.	2.1	22
33	Optical Chirality of Helical Crystal Quantum Dots. Nanoscience and Nanotechnology Letters, 2018, 10, 988-992.	0.4	1
34	ZnO nanowire photodetectors based on Schottky contact with surface passivation. Optics Communications, 2017, 395, 72-75.	2.1	13
35	Ultrafast Carrier Dynamics and Efficient Triplet Generation in Black Phosphorus Quantum Dots. Journal of Physical Chemistry C, 2017, 121, 12972-12978.	3.1	26
36	Formation of Layer-Structured Black Phosphorus Nanocrystals during High-Speed Rotation of Two-Dimensional Amorphous Ultrathin Films. Crystal Growth and Design, 2017, 17, 5608-5613.	3.0	0

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37	Facile Sonication Synthesis of WS2 Quantum Dots for Photoelectrochemical Performance. Catalysts, 2017, 7, 18.	3.5	26
38	Porous Nano-Structured GeO₂ for High Performance Lithium Storage. Journal of Nanoscience and Nanotechnology, 2017, 17, 9036-9041.	0.9	6
39	In situ reaction synthesis of GeO2/RGO nanocomposite for high performance lithium storage. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 225, 122-127.	3.5	14
40	Towards the Development of Sensors Based on Black Phosphorus. Nanoscience and Nanotechnology Letters, 2017, 9, 829-838.	0.4	6
41	Optical Properties of Tin Monoxide Nanoshells Prepared via Self-Assembly. Nanoscience and Nanotechnology Letters, 2017, 9, 1947-1952.	0.4	1
42	Cysteine-Modified Graphene/Gold Nanorod Composites Toward Rhodamine 6G Detection by Surface-Enhanced Raman Scattering. Journal of Nanoscience and Nanotechnology, 2016, 16, 6697-6704.	0.9	9
43	Ultraviolet electroluminescence from Au-ZnO nanowire Schottky type light-emitting diodes. Applied Physics Letters, 2016, 108, .	3.3	27
44	Facile solution synthesis of tin sulfide nanobelts for lithium-ion batteries. Journal of Alloys and Compounds, 2016, 681, 486-491.	5.5	32
45	Fabrication of a reversible SnS₂/RGO nanocomposite for high performance lithium storage. RSC Advances, 2016, 6, 32414-32421.	3.6	24
46	Preparation and lithium ion batteries properties of SnS2 nanoparticle/reduced graphene oxide nanosheet nanocomposites using supercritical carbon dioxide. Synthetic Metals, 2016, 217, 138-143.	3.9	21
47	Facile Solvothermal Synthesis of Flowerlike SnS₂ Nanosheets for Enhanced Lithium Ion Storage Property. Journal of Nanoscience and Nanotechnology, 2016, 16, 5761-5769.	0.9	12
48	Fabrication of Graphene Aerogel/Platinum Nanoparticle Hybrids for the Direct Electrochemical Analysis of Glucose. Journal of Nanoscience and Nanotechnology, 2016, 16, 6895-6902.	0.9	6
49	Graphene Aerogel/Platinum Nanoparticle Nanocomposites for Direct Electrochemistry of Cytochrome c and Hydrogen Peroxide Sensing. Journal of Nanoscience and Nanotechnology, 2016, 16, 12299-12306.	0.9	13
50	Preparation and Photoelectrochemical Properties of CdS Nanoparticles Using Supercritical Carbon Dioxide. Journal of Nanoscience and Nanotechnology, 2016, 16, 7203-7209.	0.9	4
51	Reduced graphene oxide/gold nanoparticle aerogel for catalytic reduction of 4-nitrophenol. RSC Advances, 2016, 6, 64028-64038.	3.6	25
52	Supercritical carbon dioxide-assisted rapid synthesis of few-layer black phosphorus for hydrogen peroxide sensing. Biosensors and Bioelectronics, 2016, 80, 34-38.	10.1	96
53	In situ reduction of WS2 nanosheets for WS2/reduced graphene oxide composite with superior Li-ion storage. Materials Chemistry and Physics, 2016, 171, 16-21.	4.0	29
54	A scalable sulfuration of WS2 to improve cyclability and capability of lithium-ion batteries. Nano Research, 2016, 9, 857-865.	10.4	67

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55	Easy Preparation and Photoelectrochemical Properties of CdS Nanoparticle/Graphene Nanosheet Nanocomposites Using Supercritical Carbon Dioxide. Journal of Nanoscience and Nanotechnology, 2016, 16, 2742-2751.	0.9	3
56	Multi-Index Detection Electrochemical Biosensor Based on Graphene Aerogel/Platinum Nanoparticle Hybrid Materials. Journal of Bionanoscience, 2016, 10, 495-500.	0.4	2
57	Enhanced Nonenzymatic Sensing of Hydrogen Peroxide Released from Living Cells Based on Graphene Aerogel/Platinum Nanoparticle. Science of Advanced Materials, 2016, 8, 1165-1171.	0.7	4
58	Facile Solvothermal Synthesis of Hybrid SnS₂/Platinum Nanoparticles for Hydrogen Peroxide Biosensing. Journal of Bionanoscience, 2015, 9, 335-340.	0.4	5
59	Mechanism study for hypoxia induced differentiation of insulin-producing cells from umbilical cord blood-derived mesenchymal stem cells. Biochemical and Biophysical Research Communications, 2015, 466, 444-449.	2.1	4
60	Solvothermal Synthesis of Indium Telluride Nanowires and Its Photoelectrical Property. Journal of Nanoscience and Nanotechnology, 2015, 15, 3975-3980.	0.9	11
61	Direct electrochemical analysis of glucose oxidase on a graphene aerogel/gold nanoparticle hybrid for glucose biosensing. Journal of Solid State Electrochemistry, 2015, 19, 307-314.	2.5	33
62	Direct Electrochemistry of Cytochrome c on Graphene Aerogel/Gold Nanoparticle Hybrid for Hydrogen Peroxide Biosensing. Journal of Bionanoscience, 2015, 9, 330-334.	0.4	4
63	Near-Infrared Absorption by Gold Nanodisks on CdS Nanorods Array. Science of Advanced Materials, 2015, 7, 2679-2683.	0.7	1
64	Indium telluride nanotubes: Solvothermal synthesis, growth mechanism, and properties. Journal of Solid State Chemistry, 2014, 211, 75-80.	2.9	7
65	Large-scale synthesis of hierarchical-structured weissite (Cu2â^'xTe) flake arrays and their catalytic properties. Materials Research Bulletin, 2014, 51, 320-325.	5.2	2
66	Simple Synthesis and Photoelectrochemical Characterizations of Polythiophene/Pd/TiO₂ Composite Microspheres. ACS Applied Materials & Interfaces, 2014, 6, 20197-20204.	8.0	49
67	Hydrothermal synthesis of CdS/functionalized graphene sheets nanocomposites. Journal of Alloys and Compounds, 2013, 570, 65-69.	5.5	14
68	Hydrothermal synthesis of CdS nanoparticle/functionalized graphene sheet nanocomposites for visible-light photocatalytic degradation of methyl orange. Applied Surface Science, 2013, 285, 840-845.	6.1	18
69	Surface-roughness-assisted formation of large-scale vertically aligned CdS nanorod arrays via solvothermal method. Applied Surface Science, 2013, 273, 89-93.	6.1	9
70	Controlled synthesis of NiS nanoparticle/CdS nanowire heterostructures via solution route and their optical properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 109-116.	3.5	23
71	High Yield CdS Nanowires Synthesized by Solvothermal Routes and Novel Diauxic Growth Mechanism. Nanoscience and Nanotechnology Letters, 2013, 5, 213-221.	0.4	1
72	Development and Applications of the Heterostructures Synthesis Based on CdS Nanowires. Journal of Nanoscience and Nanotechnology, 2013, 13, 23-32.	0.9	0

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73	Recognition of microRNA-binding sites in proteins from sequences using Laplacian Support Vector Machines with a hybrid feature. , 2013, , .		0
74	Scalable Alignment of CdS Nanowires Based on Efficient Roll-On Transfer Technique. Journal of Nanoscience and Nanotechnology, 2013, 13, 4242-4246.	0.9	0
75	Interfacial transport homogenization for nanowire ensemble photodiodes by using a tunneling insertion. Applied Physics Letters, 2013, 102, 103105.	3.3	4
76	Protein-Templated Assembly of CdS Nanowires on a Silicon Oxide Substrate. , 2012, , .		0
77	Development of Biosensors Based on the One-Dimensional Semiconductor Nanomaterials. Journal of Nanoscience and Nanotechnology, 2012, 12, 6873-6879.	0.9	6
78	Electrochemical biosensor based on CdS nanostructure surfaces. Journal of Colloid and Interface Science, 2012, 366, 130-134.	9.4	35
79	In Search of Common Principles of Specific Binding Residues in Protein-Nucleic Acid Complexes. Advanced Science Letters, 2012, 10, 311-317.	0.2	0
80	Solution-based synthesis of SnO2 nanoparticle/CdS nanowire heterostructures. CrystEngComm, 2011, 13, 4580.	2.6	11
81	Novel regrowth mechanism of CdS nanowire in hydrothermal synthesis. New Journal of Chemistry, 2011, 35, 299.	2.8	14
82	Solution-based synthesis of ZnO nanoparticle/CdS nanowire heterostructure. Journal of Alloys and Compounds, 2011, 509, L239-L243.	5.5	16
83	Formation of Ag2S nanowires and Ag2S/CdS heterostructures via simple solvothermal route. Synthetic Metals, 2011, 161, 1646-1650.	3.9	26
84	A novel method for quantitatively predicting non-covalent interactions from protein and nucleic acid sequence. Journal of Molecular Graphics and Modelling, 2011, 31, 28-34.	2.4	6
85	One-dimensional nanowire assembly based on oriented polymer nanofibers. , 2011, , .		0
86	Parallel assembly of CdS nanowires by blade-assisted method. , 2011, , .		0
87	Disposable Biosensor Based on Au Nanoparticles-Modified CdS Nanorod Arrays for Detection Cytochrome c. Journal of Nanoscience and Nanotechnology, 2011, 11, 10320-10323.	0.9	5
88	Scalable alignment and transfer of nanowires based on oriented polymer nanofibers. Nanotechnology, 2010, 21, 095303.	2.6	14
89	Influences of cationic, anionic, and nonionic surfactants on alkaline-induced intermediate of bovine serum albumin. International Journal of Biological Macromolecules, 2010, 46, 91-99.	7.5	15
90	Synthesis of Copper Oxide Nanostructures with Controllable Morphology by Microwave-Assisted Method. Journal of Nanoscience and Nanotechnology, 2009, 9, 4886-4891.	0.9	7

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91	Direct solution-phase synthesis of Se submicrotubes using Se powder as selenium source. Materials Chemistry and Physics, 2009, 114, 300-303.	4.0	18
92	Synthesis of silver sulfide nanowires in ethylene glycol through a sacrificial templating route. Inorganic Materials, 2009, 45, 193-197.	0.8	7
93	Investigations of effects of environmental factors in unfolding/refolding pathway of proteins on 8-anilino-1-naphthalene-sulfonic acid (ANS) fluorescence. Journal of Molecular Structure, 2009, 936, 187-193.	3.6	10
94	An efficient method for decoration of the multiwalled carbon nanotubes with nearly monodispersed magnetite nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 164, 191-194.	3.5	24
95	Large-scale synthesis of ZnSe nanoribbons on zinc substrate. Journal of Crystal Growth, 2009, 311, 3787-3791.	1.5	29
96	Synthesis of uniform CdS nanowires in high yield and its single nanowire electrical property. Journal of Solid State Chemistry, 2009, 182, 2941-2945.	2.9	49
97	RuO2/carbon nanotubes composites synthesized by microwave-assisted method for electrochemical supercapacitor. Synthetic Metals, 2009, 159, 158-161.	3.9	43
98	Synthesis of Ru/multiwalled carbon nanotubes by microemulsion for electrochemical supercapacitor. Materials Research Bulletin, 2008, 43, 2818-2824.	5.2	19
99	Direct synthesis of porous carbon nanotubes and its performance as conducting material of supercapacitor electrode. Diamond and Related Materials, 2008, 17, 993-998.	3.9	26
100	A simple route to large-scale synthesis of silver sulfide nanowires. Journal of Non-Crystalline Solids, 2008, 354, 5559-5562.	3.1	18