

Yat Li

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.

169
papers

30,972
citations

81
h-index

175
g-index

181
ext. papers

34,073
ext. citations

11.4
avg, IF

7.33
L-index

#	Paper	IF	Citations
169	Recent Advances of Aqueous Rechargeable Zinc-Iodine Batteries: Challenges, Solutions, and Prospects.. <i>Advanced Materials</i> , 2022 , e2108856	24	6
168	Insights on Thickness-Dependent Charge Transfer Efficiency Modulated by Ultrasonic Treatment in Hematite Photoanodes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9981-9989	3.8	1
167	Prototypical Study of Double-Layered Cathodes for Aqueous Rechargeable Static Zn-I Batteries. <i>Nano Letters</i> , 2021 , 21, 4129-4135	11.5	8
166	Doping Bottleneck in Hematite: Multipole Clustering by Small Polarons. <i>Chemistry of Materials</i> , 2021 , 33, 4390-4398	9.6	4
165	Oxygen vacancies enable the visible light photoactivity of chromium-implanted TiO ₂ nanowires. <i>Journal of Energy Chemistry</i> , 2021 , 55, 154-161	12	13
164	Cu ₂ O/CuS Nanocomposites Show Excellent Selectivity and Stability for Formate Generation via Electrochemical Reduction of Carbon Dioxide 2021 , 3, 100-109		20
163	Printing Porous Carbon Aerogels for Low Temperature Supercapacitors. <i>Nano Letters</i> , 2021 , 21, 3731-3737	17.5	32
162	A top-down cutting method for construction of high-performance fiber-shaped quasi-solid-state asymmetric supercapacitors. <i>Materials Today Energy</i> , 2021 , 21, 100758	7	
161	Electronic surface reconstruction of TiO ₂ nanocrystals revealed by resonant inelastic x-ray scattering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021 , 39, 063204	2.9	
160	Perspective on High-Rate Alkaline Water Splitting 2021 , 3, 224-234		40
159	The critical role of synthesis conditions on small polaron carrier concentrations in hematite: A first-principles study. <i>Journal of Applied Physics</i> , 2021 , 130, 245705	2.5	1
158	Addressing the Achilles' heel of pseudocapacitive materials: Long-term stability. <i>Information Materials</i> , 2020 , 2, 807-842	23.1	51
157	Recent progress and strategies for enhancing photocatalytic water splitting. <i>Materials Today Sustainability</i> , 2020 , 9, 100032	5	18
156	3D-Printed Structure Boosts the Kinetics and Intrinsic Capacitance of Pseudocapacitive Graphene Aerogels. <i>Advanced Materials</i> , 2020 , 32, e1906652	24	105
155	Carbon doping switching on the hydrogen adsorption activity of NiO for hydrogen evolution reaction. <i>Nature Communications</i> , 2020 , 11, 590	17.4	85
154	3D printing of living bacteria electrode. <i>Nano Research</i> , 2020 , 13, 1318-1323	10	22
153	Periodic Porous 3D Electrodes Mitigate Gas Bubble Traffic during Alkaline Water Electrolysis at High Current Densities. <i>Advanced Energy Materials</i> , 2020 , 10, 2002955	21.8	39

152	Recent progress in electrochemical reduction of CO ₂ by oxide-derived copper catalysts. <i>Materials Today Nano</i> , 2020 , 12, 100096	9.7	12
151	The coupling of experiments with density functional theory in the studies of the electrochemical hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8783-8812	13	15
150	Ni Foam-Supported Fe-Doped Ni(OH) ₂ Nanosheets Show Ultralow Overpotential for Oxygen Evolution Reaction. <i>ACS Energy Letters</i> , 2019 , 4, 622-628	20.1	147
149	Recovery of Rare Earth Elements from Geothermal Fluids through Bacterial Cell Surface Adsorption. <i>Environmental Science & Technology</i> , 2019 , 53, 7714-7723	10.3	26
148	Pore and Heteroatom Engineered Carbon Foams for Supercapacitors. <i>Advanced Energy Materials</i> , 2019 , 9, 1803665	21.8	208
147	Surface hydroxylated hematite promotes photoinduced hole transfer for water oxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8050-8054	13	18
146	Zippering Up NiFe(OH) _x -Encapsulated Hematite To Achieve an Ultralow Turn-On Potential for Water Oxidation. <i>ACS Energy Letters</i> , 2019 , 4, 1983-1990	20.1	48
145	TiN Paper for Ultrafast-Charging Supercapacitors. <i>Nano-Micro Letters</i> , 2019 , 12, 3	19.5	22
144	Surface Engineering of Nanomaterials for Photo-Electrochemical Water Splitting. <i>Small</i> , 2019 , 15, e1803746	14.6	47
143	Efficient 3D Printed Pseudocapacitive Electrodes with Ultrahigh MnO ₂ Loading. <i>Joule</i> , 2019 , 3, 459-470	27.8	232
142	The role of graphene as an overlayer on nanostructured hematite photoanodes for improved solar water oxidation. <i>Materials Today Energy</i> , 2018 , 8, 8-14	7	10
141	Nitrogen-doped carbon spider webs derived from pyrolysis of polyaniline nanofibers in ammonia for capacitive energy storage. <i>Journal of Materials Research</i> , 2018 , 33, 1109-1119	2.5	10
140	4-Butylbenzenesulfonate modified polypyrrole paper for supercapacitor with exceptional cycling stability. <i>Energy Storage Materials</i> , 2018 , 12, 191-196	19.4	37
139	Theoretical and Experimental Insight into the Effect of Nitrogen Doping on Hydrogen Evolution Activity of Ni ₃ S ₂ in Alkaline Medium. <i>Advanced Energy Materials</i> , 2018 , 8, 1703538	21.8	159
138	Three-dimensional carbon architectures for electrochemical capacitors. <i>Journal of Colloid and Interface Science</i> , 2018 , 509, 529-545	9.3	48
137	Engineering of Mesoscale Pores in Balancing Mass Loading and Rate Capability of Hematite Films for Electrochemical Capacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1801784	21.8	67
136	Interpenetrated Bacteria-Carbon Nanotubes Film for Microbial Fuel Cells. <i>Small Methods</i> , 2018 , 2, 18001528	5.28	13
135	SURFACE ENGINEERING OF SEMICONDUCTORS FOR PHOTOELECTROCHEMICAL WATER SPLITTING 2018 , 223-249		

134	Stable Ta ₂ O ₅ Overlayers on Hematite for Enhanced Photoelectrochemical Water Splitting Efficiencies. <i>ChemPhotoChem</i> , 2018 , 2, 183-189	3.3	13
133	Reduced graphene oxide modified activated carbon for improving power generation of air-cathode microbial fuel cells. <i>Journal of Materials Research</i> , 2018 , 33, 1279-1287	2.5	7
132	Hematite Materials for Solar-Driven Photoelectrochemical Cells 2018 , 159-218		1
131	Direct ink writing of organic and carbon aerogels. <i>Materials Horizons</i> , 2018 , 5, 1166-1175	14.4	51
130	Tuning the Electrochemical Properties of Nitrogen-Doped Carbon Aerogels in a Blend of Ammonia and Nitrogen Gases. <i>ACS Applied Energy Materials</i> , 2018 , 1, 5043-5053	6.1	15
129	Dependence of Interfacial Charge Transfer on Bifunctional Aromatic Molecular Linkers in CdSe Quantum Dot Sensitized TiO ₂ Photoelectrodes. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2907-2917	6.1	12
128	Amorphous Mixed-Valence Vanadium Oxide/Exfoliated Carbon Cloth Structure Shows a Record High Cycling Stability. <i>Small</i> , 2017 , 13, 1700067	11	94
127	Hydrogen-Treated TiO ₂ Nanowires for Charge Storage and Photoelectrochemical Water Splitting 2017 , 189-213		
126	Multiscale Pore Network Boosts Capacitance of Carbon Electrodes for Ultrafast Charging. <i>Nano Letters</i> , 2017 , 17, 3097-3104	11.5	206
125	Metal organic frameworks with immobilized nanoparticles: Synthesis and applications in photocatalytic hydrogen generation and energy storage. <i>Materials Research Bulletin</i> , 2017 , 96, 385-394	5.1	28
124	Paper-Based Electrodes for Flexible Energy Storage Devices. <i>Advanced Science</i> , 2017 , 4, 1700107	13.6	232
123	Progress in Developing Metal Oxide Nanomaterials for Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2017 , 7, 1700555	21.8	291
122	Morphology and Doping Engineering of Sn-Doped Hematite Nanowire Photoanodes. <i>Nano Letters</i> , 2017 , 17, 2490-2495	11.5	163
121	Oxygen defective metal oxides for energy conversion and storage. <i>Nano Today</i> , 2017 , 13, 23-39	17.9	204
120	Recent advances in chemical methods for activating carbon and metal oxide based electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17151-17173	13	110
119	Revitalizing carbon supercapacitor electrodes with hierarchical porous structures. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17705-17733	13	332
118	Balancing the electrical double layer capacitance and pseudocapacitance of hetero-atom doped carbon. <i>Nanoscale</i> , 2017 , 9, 13119-13127	7.7	75
117	Ostwald Ripening Improves Rate Capability of High Mass Loading Manganese Oxide for Supercapacitors. <i>ACS Energy Letters</i> , 2017 , 2, 1752-1759	20.1	115

116	3D printed functional nanomaterials for electrochemical energy storage. <i>Nano Today</i> , 2017 , 15, 107-120	17.9	210
115	Ethanol Oxidation Reaction Catalyzed by Palladium Nanoparticles Supported on Hydrogen-Treated TiO ₂ Nanobelts: Impact of Oxygen Vacancies. <i>ChemElectroChem</i> , 2017 , 4, 2211-2217	4.3	7
114	Oxygen Deficient TiO ₂ Photoanode for Photoelectrochemical Water Oxidation. <i>Solid State Phenomena</i> , 2016 , 253, 11-40	0.4	1
113	Role of Hydrogen in Defining the n-Type Character of BiVO ₄ Photoanodes. <i>Chemistry of Materials</i> , 2016 , 28, 5761-5771	9.6	90
112	An electrochemical method to enhance the performance of metal oxides for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2849-2855	13	88
111	Supercapacitors Based on Three-Dimensional Hierarchical Graphene Aerogels with Periodic Macropores. <i>Nano Letters</i> , 2016 , 16, 3448-56	11.5	473
110	Spectroelectrochemical Photoluminescence of Trap States in H-Treated Rutile TiO ₂ Nanowires: Implications for Photooxidation of Water. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 3530-3541	3.8	25
109	Evidence of oxygen vacancy and possible intermediate gap state in layered BiMoO ₃ single-crystal nanobelts. <i>Physica B: Condensed Matter</i> , 2016 , 481, 192-196	2.8	22
108	Hierarchically porous carbon foams for electric double layer capacitors. <i>Nano Research</i> , 2016 , 9, 2875-2888		98
107	Organolead Halide Perovskite Nanocrystals: Branched Capping Ligands Control Crystal Size and Stability. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8864-8	16.4	239
106	Acid Treatment Enables Suppression of Electron-Hole Recombination in Hematite for Photoelectrochemical Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3403-7	16.4	107
105	Ion Intercalation Induced Capacitance Improvement for Graphene-Based Supercapacitor Electrodes. <i>ChemNanoMat</i> , 2016 , 2, 635-641	3.5	35
104	Flexible Transparent Molybdenum Trioxide Nanopaper for Energy Storage. <i>Advanced Materials</i> , 2016 , 28, 6353-8	24	172
103	Acid Treatment Enables Suppression of Electron-Hole Recombination in Hematite for Photoelectrochemical Water Splitting. <i>Angewandte Chemie</i> , 2016 , 128, 3464-3468	3.6	24
102	Tri-layered graphite foil for electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7683-7688	6.8	41
101	A three-dimensional nitrogen-doped graphene aerogel-activated carbon composite catalyst that enables low-cost microfluidic microbial fuel cells with superior performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15913-15919	13	61
100	Boosting Power Density of Microbial Fuel Cells with 3D Nitrogen-Doped Graphene Aerogel Electrode. <i>Advanced Science</i> , 2016 , 3, 1600097	13.6	69
99	Controlled partial-exfoliation of graphite foil and integration with MnO ₂ nanosheets for electrochemical capacitors. <i>Nanoscale</i> , 2015 , 7, 3581-7	7.7	81

98	Oxygen deficient FeO photoelectrodes: a balance between enhanced electrical properties and trap-mediated losses. <i>Chemical Science</i> , 2015 , 6, 4009-4016	9.4	81
97	An Electrochemical Capacitor with Applicable Energy Density of 7.4 Wh/kg at Average Power Density of 3000 W/kg. <i>Nano Letters</i> , 2015 , 15, 3189-94	11.5	100
96	Photohole Induced Corrosion of Titanium Dioxide: Mechanism and Solutions. <i>Nano Letters</i> , 2015 , 15, 7051-7	11.5	46
95	Synthesis, Optical Properties, and Exciton Dynamics of Organolead Bromide Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 26672-26682	3.8	83
94	Investigation of hematite nanorod/nanoflake morphological transformation and the application of ultrathin nanoflakes for electrochemical devices. <i>Nano Energy</i> , 2015 , 12, 169-177	17.1	71
93	Pushing the Cycling Stability Limit of Polypyrrole for Supercapacitors. <i>Advanced Functional Materials</i> , 2015 , 25, 4626-4632	15.6	183
92	Design of Novel Metal Nanostructures for Broadband Solar Energy Conversion. <i>International Journal of Spectroscopy</i> , 2015 , 2015, 1-10		
91	Flexible solid-state supercapacitors: design, fabrication and applications. <i>Energy and Environmental Science</i> , 2014 , 7, 2160	35.4	985
90	Highly crystalline multimetallic nanoframes with three-dimensional electrocatalytic surfaces. <i>Science</i> , 2014 , 343, 1339-43	33.3	1989
89	Chemically modified nanostructures for photoelectrochemical water splitting. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014 , 19, 35-51	16.4	130
88	The Effect of the Hydrogenation Temperature on TiO ₂ Nanostructures for Photoelectrochemical Water Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 760-766	2.3	20
87	Electrodeposition of vanadium oxide/polyaniline composite nanowire electrodes for high energy density supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10882-10888	13	136
86	Review of Sn-Doped Hematite Nanostructures for Photoelectrochemical Water Splitting. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 1113-1121	3.1	84
85	Surface Passivation of TiO ₂ Nanowires Using a Facile Precursor-Treatment Approach for Photoelectrochemical Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15086-15094	3.8	74
84	A new benchmark capacitance for supercapacitor anodes by mixed-valence sulfur-doped V ₆ O(13-x). <i>Advanced Materials</i> , 2014 , 26, 5869-75	24	276
83	Low-temperature activation of hematite nanowires for photoelectrochemical water oxidation. <i>ChemSusChem</i> , 2014 , 7, 848-53	8.3	61
82	Photoenhanced electrochemical interaction between <i>Shewanella</i> and a hematite nanowire photoanode. <i>Nano Letters</i> , 2014 , 14, 3688-93	11.5	94
81	Low-Cost Nanomaterials for Photoelectrochemical Water Splitting. <i>Green Energy and Technology</i> , 2014 , 267-295	0.6	4

80	Polyaniline and polypyrrole pseudocapacitor electrodes with excellent cycling stability. <i>Nano Letters</i> , 2014 , 14, 2522-7	11.5	589
79	Solar-assisted microbial fuel cells for bioelectricity and chemical fuel generation. <i>Nano Energy</i> , 2014 , 8, 264-273	17.1	43
78	A room temperature low-threshold ultraviolet plasmonic nanolaser. <i>Nature Communications</i> , 2014 , 5, 4953	17.4	236
77	Improving the Cycling Stability of Metal Nitride Supercapacitor Electrodes with a Thin Carbon Shell. <i>Advanced Energy Materials</i> , 2014 , 4, 1300994	21.8	188
76	Solar Hydrogen Generation: Photocatalytic and Photoelectrochemical Methods 2014 , 27-49		1
75	Solid-state supercapacitor based on activated carbon cloths exhibits excellent rate capability. <i>Advanced Materials</i> , 2014 , 26, 2676-82, 2615	24	555
74	High energy density asymmetric supercapacitors with a nickel oxide nanoflake cathode and a 3D reduced graphene oxide anode. <i>Nanoscale</i> , 2013 , 5, 7984-90	7.7	223
73	Au nanostructure-decorated TiO ₂ nanowires exhibiting photoactivity across entire UV-visible region for photoelectrochemical water splitting. <i>Nano Letters</i> , 2013 , 13, 3817-23	11.5	725
72	Growth of gallium nitride and indium nitride nanowires on conductive and flexible carbon cloth substrates. <i>Nanoscale</i> , 2013 , 5, 1820-4	7.7	21
71	High power density microbial fuel cell with flexible 3D graphene-nickel foam as anode. <i>Nanoscale</i> , 2013 , 5, 10283-90	7.7	233
70	Chemically modified titanium oxide nanostructures for dye-sensitized solar cells. <i>Nano Energy</i> , 2013 , 2, 1373-1382	17.1	19
69	A mechanistic study into the catalytic effect of Ni(OH) ₂ on hematite for photoelectrochemical water oxidation. <i>Nanoscale</i> , 2013 , 5, 4129-33	7.7	145
68	Self-biased solar-microbial device for sustainable hydrogen generation. <i>ACS Nano</i> , 2013 , 7, 8728-35	16.7	74
67	Probing the Nature of Bandgap States in Hydrogen-Treated TiO ₂ Nanowires. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26821-26830	3.8	47
66	High energy density asymmetric quasi-solid-state supercapacitor based on porous vanadium nitride nanowire anode. <i>Nano Letters</i> , 2013 , 13, 2628-33	11.5	622
65	Optical Properties and Applications of Hematite (Fe ₂ O ₃) Nanostructures 2013 , 167-184		0
64	Computational and Photoelectrochemical Study of Hydrogenated Bismuth Vanadate. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10957-10964	3.8	185
63	Nickel Catalyst Boosts Solar Hydrogen Generation of CdSe Nanocrystals. <i>ChemCatChem</i> , 2013 , 5, 1294-1295	13.95	9

62	Optical properties and exciton dynamics of alloyed core/shell/shell Cd(1-x)Zn(x)Se/ZnSe/ZnS quantum dots. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2893-900	9.5	69
61	H-TiO(2) @MnO(2) //H-TiO(2) @C core-shell nanowires for high performance and flexible asymmetric supercapacitors. <i>Advanced Materials</i> , 2013 , 25, 267-72	24	828
60	Efficient Suppression of Electron-Hole Recombination in Oxygen-Deficient Hydrogen-Treated TiO Nanowires for Photoelectrochemical Water Splitting. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 25837-25844	23.8	181
59	Direct molecule-specific glucose detection by Raman spectroscopy based on photonic crystal fiber. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 687-91	4.4	54
58	Free-standing nickel oxide nanoflake arrays: synthesis and application for highly sensitive non-enzymatic glucose sensors. <i>Nanoscale</i> , 2012 , 4, 3123-7	7.7	213
57	LiCl/PVA gel electrolyte stabilizes vanadium oxide nanowire electrodes for pseudocapacitors. <i>ACS Nano</i> , 2012 , 6, 10296-302	16.7	271
56	Effects of Hydrogen Treatment and Air Annealing on Ultrafast Charge Carrier Dynamics in ZnO Nanowires Under in Situ Photoelectrochemical Conditions. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17360-17368	3.8	64
55	Stabilized TiN nanowire arrays for high-performance and flexible supercapacitors. <i>Nano Letters</i> , 2012 , 12, 5376-81	11.5	563
54	Hydrogenated TiO2 nanotube arrays for supercapacitors. <i>Nano Letters</i> , 2012 , 12, 1690-6	11.5	1113
53	Photoelectrochemical study of oxygen deficient TiO2 nanowire arrays with CdS quantum dot sensitization. <i>Nanoscale</i> , 2012 , 4, 1463-6	7.7	101
52	Oxygen-deficient metal oxide nanostructures for photoelectrochemical water oxidation and other applications. <i>Nanoscale</i> , 2012 , 4, 6682-91	7.7	306
51	Efficient photocatalytic hydrogen evolution over hydrogenated ZnO nanorod arrays. <i>Chemical Communications</i> , 2012 , 48, 7717-9	5.8	221
50	Hydrogen-treated WO3 nanoflakes show enhanced photostability. <i>Energy and Environmental Science</i> , 2012 , 5, 6180	35.4	559
49	Solar driven hydrogen releasing from urea and human urine. <i>Energy and Environmental Science</i> , 2012 , 5, 8215	35.4	112
48	Controlled synthesis of AlN/GaN multiple quantum well nanowire structures and their optical properties. <i>Nano Letters</i> , 2012 , 12, 3344-50	11.5	48
47	Vertical Silicon Nanowire Platform for Low Power Electronics and Clean Energy Applications. <i>Journal of Nanotechnology</i> , 2012 , 2012, 1-21	3.5	28
46	Nanostructured hematite: synthesis, characterization, charge carrier dynamics, and photoelectrochemical properties. <i>Energy and Environmental Science</i> , 2012 , 5, 6682	35.4	434
45	The Influence of Oxygen Content on the Thermal Activation of Hematite Nanowires. <i>Angewandte Chemie</i> , 2012 , 124, 4150-4155	3.6	87

44	The influence of oxygen content on the thermal activation of hematite nanowires. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4074-9	16.4	274
43	Ultrafast Charge Carrier Dynamics and Photoelectrochemical Properties of Hydrogen-treated TiO ₂ Nanowire Arrays. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1387, 1		4
42	One-Dimensional Metal Oxide Nanostructures for Photoelectrochemical Hydrogen Generation 2011 , 133-166		
41	SERS spectroscopy and SERS imaging of <i>Shewanella oneidensis</i> using silver nanoparticles and nanowires. <i>Chemical Communications</i> , 2011 , 47, 4129-31	5.8	68
40	Deciphering the electron transport pathway for graphene oxide reduction by <i>Shewanella oneidensis</i> MR-1. <i>Journal of Bacteriology</i> , 2011 , 193, 3662-5	3.5	65
39	Highly sensitive detection of proteins and bacteria in aqueous solution using surface-enhanced Raman scattering and optical fibers. <i>Analytical Chemistry</i> , 2011 , 83, 5888-94	7.8	139
38	Sn-doped hematite nanostructures for photoelectrochemical water splitting. <i>Nano Letters</i> , 2011 , 11, 2119-25	11.5	882
37	Hydrogen-treated TiO ₂ nanowire arrays for photoelectrochemical water splitting. <i>Nano Letters</i> , 2011 , 11, 3026-33	11.5	2101
36	Facile synthesis of highly photoactive Fe ₃ O ₄ -based films for water oxidation. <i>Nano Letters</i> , 2011 , 11, 3503-9	11.5	556
35	Enhanced capacitance in partially exfoliated multi-walled carbon nanotubes. <i>Journal of Power Sources</i> , 2011 , 196, 5209-5214	8.9	94
34	A microfluidic microbial fuel cell fabricated by soft lithography. <i>Bioresource Technology</i> , 2011 , 102, 5836-40	11.5	80
33	CdSe quantum dot-sensitized Au/TiO ₂ hybrid mesoporous films and their enhanced photoelectrochemical performance. <i>Nano Research</i> , 2011 , 4, 249-258	10	78
32	Microbial reduction of graphene oxide by <i>Shewanella</i> . <i>Nano Research</i> , 2011 , 4, 563-570	10	274
31	Fabrication of hydroxyl group modified monodispersed hybrid silica particles and the h-SiO ₂ /TiO ₂ core/shell microspheres as high performance photocatalyst for dye degradation. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 196-201	9.3	37
30	Solar-driven microbial photoelectrochemical cells with a nanowire photocathode. <i>Nano Letters</i> , 2010 , 10, 4686-91	11.5	180
29	Ultrasmall Single-Crystal Indium Antimonide Nanowires. <i>Crystal Growth and Design</i> , 2010 , 10, 4669-4669	3.5	5
28	Ultrasmall Single-Crystal Indium Antimonide Nanowires. <i>Crystal Growth and Design</i> , 2010 , 10, 2479-2482	3.5	43
27	Synergistic effect of CdSe quantum dot sensitization and nitrogen doping of TiO ₂ nanostructures for photoelectrochemical solar hydrogen generation. <i>Nano Letters</i> , 2010 , 10, 478-83	11.5	435

26	Double-sided CdS and CdSe quantum dot co-sensitized ZnO nanowire arrays for photoelectrochemical hydrogen generation. <i>Nano Letters</i> , 2010 , 10, 1088-92	11.5	549
25	Synthesis and pseudocapacitive studies of composite films of polyaniline and manganese oxide nanoparticles. <i>Journal of Power Sources</i> , 2010 , 195, 3742-3747	8.9	164
24	Hydrogen generation from photoelectrochemical water splitting based on nanomaterials. <i>Laser and Photonics Reviews</i> , 2009 , 4, 517-528	8.3	230
23	12 GHz GaN/AlN/AlGaN Nanowire MISFET. <i>IEEE Electron Device Letters</i> , 2009 , 30, 322-324	4.4	54
22	Direct correlation between structural and optical properties of III-V nitride nanowire heterostructures with nanoscale resolution. <i>Nano Letters</i> , 2009 , 9, 3940-4	11.5	84
21	Nitrogen-doped ZnO nanowire arrays for photoelectrochemical water splitting. <i>Nano Letters</i> , 2009 , 9, 2331-6	11.5	967
20	Shape-Controlled Synthesis of Single-Crystalline Fe_2O_3 Hollow Nanocrystals and Their Tunable Optical Properties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9928-9935	3.8	131
19	Multi-quantum-well nanowire heterostructures for wavelength-controlled lasers. <i>Nature Materials</i> , 2008 , 7, 701-6	27	616
18	Microstadium single-nanowire laser. <i>Applied Physics Letters</i> , 2007 , 91, 251115	3.4	26
17	InAs/InP radial nanowire heterostructures as high electron mobility devices. <i>Nano Letters</i> , 2007 , 7, 3214-8	11.5	336
16	Dopant-free GaN/AlN/AlGaN radial nanowire heterostructures as high electron mobility transistors. <i>Nano Letters</i> , 2006 , 6, 1468-73	11.5	319
15	Nanowire electronic and optoelectronic devices. <i>Materials Today</i> , 2006 , 9, 18-27	21.8	1128
14	Semiconductor nanowire laser and nanowire waveguide electro-optic modulators. <i>Applied Physics Letters</i> , 2005 , 87, 151103	3.4	211
13	GaN nanowire lasers with low lasing thresholds. <i>Applied Physics Letters</i> , 2005 , 87, 173111	3.4	397
12	Core/multishell nanowire heterostructures as multicolor, high-efficiency light-emitting diodes. <i>Nano Letters</i> , 2005 , 5, 2287-91	11.5	784
11	Gallium Nitride-Based Nanowire Radial Heterostructures for Nanophotonics. <i>Nano Letters</i> , 2004 , 4, 1975-1979	11.5	566
10	Syntheses, Reactivity Studies and the Catalytic Properties of a Series of Tetraosmium-Gold Mixed-Metal Clusters. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2651-2662	2.3	11
9	Synthesis and characterization of silver(I) complexes $[\text{AgL}]_2[\text{BF}_4]_2$ and $[\text{Ag}(\text{OAc})\text{L}]$ $[\text{L}=(\text{CH}_2\text{NHCOC}_2\text{H}_4\text{PPH}_2)_2]$. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 1315-1318	3.1	4

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