

Yiying Wu

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.

132
papers

22,696
citations

54
h-index

146
g-index

146
ext. papers

24,387
ext. citations

10.5
avg, IF

7.01
L-index

#	Paper	IF	Citations
132	Achieving ultralong cycle life graphite binary intercalation in intermediate-concentration ether-based electrolyte for potassium-ion batteries. <i>Carbon</i> , 2022 , 196, 229-235	10.4	2
131	Grain Boundary Engineering with Self-Assembled Porphyrin Supramolecules for Highly Efficient Large-Area Perovskite Photovoltaics. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18989-18996	16.4	13
130	Single Potassium-Ion Conducting Polymer Electrolytes: Preparation, Ionic Conductivities, and Electrochemical Stability. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4156-4164	6.1	4
129	A Bioinspired Molybdenum Catalyst for Aqueous Perchlorate Reduction. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7891-7896	16.4	5
128	Vibrational Spectroscopy of Beam-Sensitive Materials in the Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , 2021 , 27, 592-594	0.5	
127	Dirhodium(II,II)/NiO Photocathode for Photoelectrocatalytic Hydrogen Evolution with Red Light. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1610-1617	16.4	9
126	Intramolecular Electric Field Construction in Metal Phthalocyanine as Dopant-Free Hole Transporting Material for Stable Perovskite Solar Cells with >21 % Efficiency. <i>Angewandte Chemie</i> , 2021 , 133, 6364-6369	3.6	8
125	Intramolecular Electric Field Construction in Metal Phthalocyanine as Dopant-Free Hole Transporting Material for Stable Perovskite Solar Cells with >21 % Efficiency. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6294-6299	16.4	38
124	Antiperovskite KOI for K-Ion Solid State Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 71206-71212	12.6	7
123	Predictive Design Model for Low-Dimensional Organic-Inorganic Halide Perovskites Assisted by Machine Learning. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12766-12776	16.4	16
122	Alkynyl-Based Covalent Organic Frameworks as High-Performance Anode Materials for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41628-41636	9.5	7
121	Unusual Melting Trend in an Alkali Asymmetric Sulfonamide Salt Series: Single-Crystal Analysis and Modeling. <i>Inorganic Chemistry</i> , 2021 , 60, 14679-14686	5.1	0
120	Designing Potassium Battery Salts through a Solvent-in-Anion Concept for Concentrated Electrolytes and Mimicking Solvation Structures. <i>Chemistry of Materials</i> , 2020 , 32, 10423-10434	9.6	8
119	Building a Reactive Armor Using S-Doped Graphene for Protecting Potassium Metal Anodes from Oxygen Crossover in K ₂ O Batteries. <i>ACS Energy Letters</i> , 2020 , 5, 1788-1793	20.1	16
118	Superoxide-Based K-O Batteries: Highly Reversible Oxygen Redox Solves Challenges in Air Electrodes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11629-11640	16.4	24
117	From K-O to K-Air Batteries: Realizing Superoxide Batteries on the Basis of Dry Ambient Air. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10498-10501	16.4	21
116	Anthraquinone Redox Relay for Dye-Sensitized Photo-electrochemical H ₂ O Production. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10904-10908	16.4	16

115	A reaction-and-assembly approach using monoamine zinc porphyrin for highly stable large-area perovskite solar cells. <i>Science China Chemistry</i> , 2020 , 63, 777-784	7.9	9
114	[Mo ₂ O ₂ S ₈] ₂ Small molecule dimer as a basis for hydrogen evolution reaction (HER) catalyst materials. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	3
113	A dehydrobenzoannulene-based two-dimensional covalent organic framework as an anode material for lithium-ion batteries. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 97-101	4.6	23
112	Photoelectrochemical H ₂ O ₂ Production from Oxygen Reduction. <i>ACS Symposium Series</i> , 2020 , 93-109	0.4	
111	A Graphite Intercalation Composite as the Anode for the Potassium-Ion Oxygen Battery in a Concentrated Ether-Based Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37027-37033	9.5	7
110	Ambient Pressure X-ray Photoelectron Spectroscopy Investigation of Thermally Stable Halide Perovskite Solar Cells via Post-Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43705-43713	9.5	10
109	Pursuing graphite-based K-ion O ₂ batteries: a lesson from Li-ion batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 3656-3662	35.4	11
108	Unveiling the influence of electrode/electrolyte interface on the capacity fading for typical graphite-based potassium-ion batteries. <i>Energy Storage Materials</i> , 2020 , 24, 319-328	19.4	85
107	From K-O ₂ to K-Air Batteries: Realizing Superoxide Batteries on the Basis of Dry Ambient Air. <i>Angewandte Chemie</i> , 2020 , 132, 10584-10587	3.6	8
106	Anthraquinone Redox Relay for Dye-Sensitized Photo-electrochemical H ₂ O ₂ Production. <i>Angewandte Chemie</i> , 2020 , 132, 10996-11000	3.6	4
105	Localized High-Concentration Electrolytes Boost Potassium Storage in High-Loading Graphite. <i>Advanced Energy Materials</i> , 2019 , 9, 1902618	21.8	86
104	Artificial Solid-Electrolyte Interphase Enabled High-Capacity and Stable Cycling Potassium Metal Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1902697	21.8	42
103	Capillary Encapsulation of Metallic Potassium in Aligned Carbon Nanotubes for Use as Stable Potassium Metal Anodes. <i>Advanced Energy Materials</i> , 2019 , 9, 1901427	21.8	67
102	An Indacenodithieno[3,2-b]thiophene-Based Organic Dye for Solid-State p-Type Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2019 , 12, 3243-3248	8.3	8
101	Excimer-Mediated Intermolecular Charge Transfer in Self-Assembled Donor-Acceptor Dyes on Metal Oxides. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8727-8731	16.4	16
100	Dye-sensitized photocathodes for oxygen reduction: efficient HO ₂ production and aprotic redox reactions. <i>Chemical Science</i> , 2019 , 10, 5519-5527	9.4	16
99	Anchoring an Artificial Protective Layer To Stabilize Potassium Metal Anode in Rechargeable K-O ₂ Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16571-16577	9.5	34
98	Decoupling pH Dependence of Flat Band Potential in Aqueous Dye-Sensitized Electrodes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 8681-8687	3.8	12

97	Monoammonium Porphyrin for Blade-Coating Stable Large-Area Perovskite Solar Cells with >18% Efficiency. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6345-6351	16.4	98
96	Existence of Ligands within Sol-Gel-Derived ZnO Films and Their Effect on Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43116-43121	9.5	17
95	Use of Polarization Curves and Impedance Analyses to Optimize the "Triple-Phase Boundary" in K-O Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2925-2934	9.5	7
94	Machine Learning for Understanding Compatibility of Organic/Inorganic Hybrid Perovskites with Post-Treatment Amines. <i>ACS Energy Letters</i> , 2019 , 4, 397-404	20.1	39
93	Alkali-Oxygen Batteries Based on Reversible Superoxide Chemistry. <i>Chemistry - A European Journal</i> , 2018 , 24, 17627-17637	4.8	11
92	Exploring Stability of Nonaqueous Electrolytes for Potassium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1828-1833	6.1	53
91	Interfacial design of new generation of dye-sensitized photoelectrochemical cells for water oxidation. <i>Science China Chemistry</i> , 2018 , 61, 1203-1204	7.9	7
90	Efficient Grain Boundary Suture by Low-Cost Tetra-ammonium Zinc Phthalocyanine for Stable Perovskite Solar Cells with Expanded Photoresponse. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11577-11580	16.4	70
89	The Long-Term Stability of KO in K-O Batteries. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1227-1231	16.4	48
88	The Long-Term Stability of KO ₂ in K-O ₂ Batteries. <i>Angewandte Chemie</i> , 2018 , 130, 1241-1245	3.6	27
87	Chemical Synthesis of K ₂ S ₂ and K ₂ S ₃ for Probing Electrochemical Mechanisms in K ₂ O Batteries. <i>ACS Energy Letters</i> , 2018 , 3, 2858-2864	20.1	47
86	Potassium Superoxide: A Unique Alternative for Metal-Air Batteries. <i>Accounts of Chemical Research</i> , 2018 , 51, 2335-2343	24.3	72
85	Simultaneous Stabilization of Potassium Metal and Superoxide in K-O Batteries on the Basis of Electrolyte Reactivity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10864-10867	16.4	61
84	Simultaneous Stabilization of Potassium Metal and Superoxide in K ₂ O ₂ Batteries on the Basis of Electrolyte Reactivity. <i>Angewandte Chemie</i> , 2018 , 130, 11030-11033	3.6	10
83	MoS ₂ as a long-life host material for potassium ion intercalation. <i>Nano Research</i> , 2017 , 10, 1313-1321	10	212
82	Electrocatalytic Properties of Cuprous Delafossite Oxides for the Alkaline Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2017 , 9, 3837-3842	5.2	5
81	Bilayer Dye Protected Aqueous Photocathodes for Tandem Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8787-8795	3.8	21
80	Anion-Redox Mechanism of MoO(S)(2,2'-bipyridine) for Electrocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4342-4345	16.4	24

79	Electron Transfer Kinetics of a Series of Bilayer TriphenylamineOligothiopheneBerylenemonoimide Sensitizers for Dye-Sensitized NiO. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 20720-20728	3.8	11
78	Reversible Dendrite-Free Potassium Plating and Stripping Electrochemistry for Potassium Secondary Batteries. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9475-9478	16.4	284
77	Probing Mechanisms for Inverse Correlation between Rate Performance and Capacity in K-O Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4301-4308	9.5	45
76	Greatly Enhanced Anode Stability in K-Oxygen Batteries with an In Situ Formed Solvent- and Oxygen-Impermeable Protection Layer. <i>Advanced Energy Materials</i> , 2017 , 7,	21.8	31
75	pH-Tuning a Solar Redox Flow Battery for Integrated Energy Conversion and Storage. <i>ACS Energy Letters</i> , 2016 , 1, 578-582	20.1	43
74	Concentrated Electrolyte for the SodiumOxygen Battery: Solvation Structure and Improved Cycle Life. <i>Angewandte Chemie</i> , 2016 , 128, 15536-15540	3.6	16
73	Concentrated Electrolyte for the Sodium-Oxygen Battery: Solvation Structure and Improved Cycle Life. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15310-15314	16.4	82
72	Exploring Thermal Properties of MoS ₂ Using In Situ Quantitative STEM. <i>Microscopy and Microanalysis</i> , 2016 , 22, 912-913	0.5	
71	Solar-powered electrochemical energy storage: an alternative to solar fuels. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2766-2782	13	92
70	Membrane-Inspired Acidically Stable Dye-Sensitized Photocathode for Solar Fuel Production. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1174-9	16.4	106
69	Tunable Molecular MoS ₂ Edge-Site Mimics for Catalytic Hydrogen Production. <i>Inorganic Chemistry</i> , 2016 , 55, 3960-6	5.1	39
68	[MoO(S)L] (L = picolinate or pyrimidine-2-carboxylate) Complexes as MoS-Inspired Electrocatalysts for Hydrogen Production in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13726-13731	16.4	30
67	Dye-controlled interfacial electron transfer for high-current indium tin oxide photocathodes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6857-61	16.4	33
66	2H-CuScO ₂ Prepared by Low-Temperature Hydrothermal Methods and Post-Annealing Effects on Optical and Photoelectrochemical Properties. <i>Inorganic Chemistry</i> , 2015 , 54, 5519-26	5.1	20
65	Investigating dendrites and side reactions in sodium-oxygen batteries for improved cycle lives. <i>Chemical Communications</i> , 2015 , 51, 7665-8	5.8	85
64	Potassium-Ion Oxygen Battery Based on a High Capacity Antimony Anode. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26158-66	9.5	197
63	Dimeric [Mo ₂ S ₁₂] ²⁻ Cluster: A Molecular Analogue of MoS ₂ Edges for Superior Hydrogen-Evolution Electrocatalysis. <i>Angewandte Chemie</i> , 2015 , 127, 15396-15400	3.6	30
62	Dye-Controlled Interfacial Electron Transfer for High-Current Indium Tin Oxide Photocathodes. <i>Angewandte Chemie</i> , 2015 , 127, 6961-6965	3.6	3

61	Dimeric [Mo ₂ S ₁₂](²⁻) Cluster: A Molecular Analogue of MoS ₂ Edges for Superior Hydrogen-Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15181-5	16.4	128
60	p-type doping of MoS ₂ thin films using Nb. <i>Applied Physics Letters</i> , 2014 , 104, 092104	3.4	236
59	Electron transport in large-area epitaxial MoS ₂ 2014 ,		1
58	Cu(I)-based delafossite compounds as photocathodes in p-type dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5026-33	3.6	103
57	A double-acceptor as a superior organic dye design for p-type DSSCs: high photocurrents and the observed light soaking effect. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26103-11	3.6	50
56	Understanding side reactions in K-O ₂ batteries for improved cycle life. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19299-307	9.5	100
55	Integrating a redox-coupled dye-sensitized photoelectrode into a lithium-oxygen battery for photoassisted charging. <i>Nature Communications</i> , 2014 , 5, 5111	17.4	178
54	Scalable synthesis of delafossite CuAlO ₂ nanoparticles for p-type dye-sensitized solar cells applications. <i>Journal of Alloys and Compounds</i> , 2014 , 591, 275-279	5.7	68
53	Understanding the crystallization mechanism of delafossite CuGaO ₂ for controlled hydrothermal synthesis of nanoparticles and nanoplates. <i>Inorganic Chemistry</i> , 2014 , 53, 5845-51	5.1	54
52	Molecular Orbital Engineering of a Panchromatic Cyclometalated Ru(II) Dye for p-Type Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16518-16525	3.8	31
51	Photostable p-type dye-sensitized photoelectrochemical cells for water reduction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11696-9	16.4	176
50	Photoinduced Electron Transfer Dynamics of Cyclometalated Ruthenium (II) Naphthalenediimide Dyad at NiO Photocathode. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18315-18324	3.8	43
49	Low frequency noise in chemical vapor deposited MoS ₂ 2013 ,		4
48	A low-overpotential potassium-oxygen battery based on potassium superoxide. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2923-6	16.4	265
47	Large area single crystal (0001) oriented MoS ₂ . <i>Applied Physics Letters</i> , 2013 , 102, 252108	3.4	178
46	Cyclometalated ruthenium sensitizers bearing a triphenylamino group for p-type NiO dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8641-8	9.5	64
45	Probing the Low Fill Factor of NiO p-Type Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 26239-26246	3.8	85
44	The effect of an atomically deposited layer of alumina on NiO in P-type dye-sensitized solar cells. <i>Langmuir</i> , 2012 , 28, 950-6	4	62

43	Synthesis, Photophysics, and Photovoltaic Studies of Ruthenium Cyclometalated Complexes as Sensitizers for p-Type NiO Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 16854-16863	3.8	76
42	Valence band-edge engineering of nickel oxide nanoparticles via cobalt doping for application in p-type dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5922-9	9.5	108
41	p-Type Dye-Sensitized Solar Cells Based on Delafossite CuGaO ₂ Nanoplates with Saturation Photovoltages Exceeding 460 mV. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1074-8	6.4	140
40	Sonochemical synthesis of copper hydride (CuH). <i>Chemical Communications</i> , 2012 , 48, 1302-4	5.8	28
39	NANOCRYSTALLINE OXIDE SEMICONDUCTORS FOR DYE-SENSITIZED SOLAR CELLS 2011 , 127-173		
38	p-Type Dye-Sensitized NiO Solar Cells: A Study by Electrochemical Impedance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 25109-25114	3.8	90
37	Preparation, characterization, and electrocatalytic performance of graphene-methylene blue thin films. <i>Nano Research</i> , 2011 , 4, 124-130	10	34
36	Linker effect in organic donor-acceptor dyes for p-type NiO dye sensitized solar cells. <i>Energy and Environmental Science</i> , 2011 , 4, 2818	35.4	104
35	Electrocatalytic Activity of Graphene Multilayers toward H ₂ O ₂ Effect of Preparation Conditions and Polyelectrolyte Modification. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15857-15861	3.8	60
34	Photoelectrochemical Study of the Ilmenite Polymorph of CdSnO ₃ and Its Photoanodic Application in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6802-6807	3.8	39
33	Critical Role of Screw Dislocation in the Growth of Co(OH) ₂ Nanowires as Intermediates for Co ₃ O ₄ Nanowire Growth. <i>Chemistry of Materials</i> , 2010 , 22, 5537-5542	9.6	51
32	Ni(x)Co(3-x)O(4) nanowire arrays for electrocatalytic oxygen evolution. <i>Advanced Materials</i> , 2010 , 22, 1926-9	24	758
31	Formation of Na _{0.44} MnO ₂ nanowires via stress-induced splitting of birnessite nanosheets. <i>Nano Research</i> , 2009 , 2, 54-60	10	44
30	Mesoporous Nb-Doped TiO ₂ as Pt Support for Counter Electrode in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7456-7460	3.8	54
29	Photoelectrochemical study of the band structure of Zn ₂ SnO ₄ prepared by the hydrothermal method. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3216-24	16.4	214
28	Nanoscale design to enable the revolution in renewable energy. <i>Energy and Environmental Science</i> , 2009 , 2, 559	35.4	311
27	Ammonia-Evaporation-Induced Synthetic Method for Metal (Cu, Zn, Cd, Ni) Hydroxide/Oxide Nanostructures. <i>Chemistry of Materials</i> , 2008 , 20, 567-576	9.6	138
26	Mesoporous Co ₃ O ₄ nanowire arrays for lithium ion batteries with high capacity and rate capability. <i>Nano Letters</i> , 2008 , 8, 265-70	11.5	1167

25	Assembly of spherical micelles in 2D physical confinements and their replication into mesoporous silica nanorods. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4558		22
24	Zinc stannate (Zn ₂ SnO ₄) dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4162-3	16.4	333
23	Dye-sensitized solar cells based on anatase TiO ₂ nanoparticle/nanowire composites. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 15932-8	3.4	549
22	Characterization of heat transfer along a silicon nanowire using thermorefectance technique. <i>IEEE Nanotechnology Magazine</i> , 2006 , 5, 67-74	2.6	27
21	Engineering Nanostructures for Single-Molecule Surface-Enhanced Raman Spectroscopy. <i>Israel Journal of Chemistry</i> , 2006 , 46, 283-291	3.4	1
20	Freestanding mesoporous quasi-single-crystalline CO ₃ O ₄ nanowire arrays. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14258-9	16.4	315
19	Engineering Nanostructures for Single-Molecule Surface-Enhanced Raman Spectroscopy. <i>Israel Journal of Chemistry</i> , 2006 , 46, 283-291	3.4	
18	Single-Crystal Mesoporous Silica Ribbons. <i>Angewandte Chemie</i> , 2005 , 117, 336-340	3.6	5
17	Composite mesostructures by nano-confinement. <i>Nature Materials</i> , 2004 , 3, 816-22	27	599
16	Templated Synthesis of Highly Ordered Mesostructured Nanowires and Nanowire Arrays. <i>Nano Letters</i> , 2004 , 4, 2337-2342	11.5	190
15	Synthesis and photocatalytic properties of highly crystalline and ordered mesoporous TiO ₂ thin films. <i>Chemical Communications</i> , 2004 , 1670-1	5.8	130
14	Single-crystal mesoporous silica ribbons. <i>Angewandte Chemie - International Edition</i> , 2004 , 44, 332-6	16.4	48
13	Thermal conductivity of Si/SiGe superlattice nanowires. <i>Applied Physics Letters</i> , 2003 , 83, 3186-3188	3.4	317
12	Thermal conductivity of individual silicon nanowires. <i>Applied Physics Letters</i> , 2003 , 83, 2934-2936	3.4	1342
11	Fabrication of silica nanotube arrays from vertical silicon nanowire templates. <i>Journal of the American Chemical Society</i> , 2003 , 125, 5254-5	16.4	240
10	Inorganic semiconductor nanowires: rational growth, assembly, and novel properties. <i>Chemistry - A European Journal</i> , 2002 , 8, 1260-8	4.8	344
9	INORGANIC SEMICONDUCTOR NANOWIRES. <i>International Journal of Nanoscience</i> , 2002 , 01, 1-39	0.6	141
8	Block-by-Block Growth of Single-Crystalline Si/SiGe Superlattice Nanowires. <i>Nano Letters</i> , 2002 , 2, 83-86	11.5	853

7	Room-temperature ultraviolet nanowire nanolasers. <i>Science</i> , 2001 , 292, 1897-9	33.3	7931
6	Direct Observation of Vapor-Liquid-Solid Nanowire Growth. <i>Journal of the American Chemical Society</i> , 2001 , 123, 3165-3166	16.4	874
5	Metal nanowire formation using Mo(3)Se(3)(-) as reducing and sacrificing templates. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10397-8	16.4	78
4	Germanium/carbon core-shell nanostructures. <i>Applied Physics Letters</i> , 2000 , 77, 43-45	3.4	75
3	Germanium Nanowire Growth via Simple Vapor Transport. <i>Chemistry of Materials</i> , 2000 , 12, 605-607	9.6	404
2	Measurements of Bi ₂ /Te ₃ nanowire thermal conductivity and Seebeck coefficient		7
1	Antiperovskite Superionic Conductors: A Critical Review. <i>ACS Materials Au</i> ,		8