

# Yiying Wu

## List of Publications by Citations

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132  
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146  
ext. papers

24,387  
ext. citations

10.5  
avg, IF

7.01  
L-index

#	Paper	IF	Citations
132	Room-temperature ultraviolet nanowire nanolasers. <i>Science</i> , <b>2001</b> , 292, 1897-9	33.3	7931
131	Thermal conductivity of individual silicon nanowires. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2934-2936	3.4	1342
130	Mesoporous Co <sub>3</sub> O <sub>4</sub> nanowire arrays for lithium ion batteries with high capacity and rate capability. <i>Nano Letters</i> , <b>2008</b> , 8, 265-70	11.5	1167
129	Direct Observation of Vapor-Liquid-Solid Nanowire Growth. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 3165-3166	16.4	874
128	Block-by-Block Growth of Single-Crystalline Si/SiGe Superlattice Nanowires. <i>Nano Letters</i> , <b>2002</b> , 2, 83-86	11.5	853
127	Ni(x)Co(3-x)O(4) nanowire arrays for electrocatalytic oxygen evolution. <i>Advanced Materials</i> , <b>2010</b> , 22, 1926-9	24	758
126	Composite mesostructures by nano-confinement. <i>Nature Materials</i> , <b>2004</b> , 3, 816-22	27	599
125	Dye-sensitized solar cells based on anatase TiO <sub>2</sub> nanoparticle/nanowire composites. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 15932-8	3.4	549
124	Germanium Nanowire Growth via Simple Vapor Transport. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 605-607	9.6	404
123	Inorganic semiconductor nanowires: rational growth, assembly, and novel properties. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 1260-8	4.8	344
122	Zinc stannate (Zn <sub>2</sub> SnO <sub>4</sub> ) dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 4162-3	16.4	333
121	Thermal conductivity of Si/SiGe superlattice nanowires. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 3186-3188	3.4	317
120	Freestanding mesoporous quasi-single-crystalline CO <sub>3</sub> O <sub>4</sub> nanowire arrays. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14258-9	16.4	315
119	Nanoscale design to enable the revolution in renewable energy. <i>Energy and Environmental Science</i> , <b>2009</b> , 2, 559	35.4	311
118	Reversible Dendrite-Free Potassium Plating and Stripping Electrochemistry for Potassium Secondary Batteries. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9475-9478	16.4	284
117	A low-overpotential potassium-oxygen battery based on potassium superoxide. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2923-6	16.4	265
116	Fabrication of silica nanotube arrays from vertical silicon nanowire templates. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 5254-5	16.4	240

115	p-type doping of MoS <sub>2</sub> thin films using Nb. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 092104	3.4	236
114	Photoelectrochemical study of the band structure of Zn(2)SnO(4) prepared by the hydrothermal method. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3216-24	16.4	214
113	MoS <sub>2</sub> as a long-life host material for potassium ion intercalation. <i>Nano Research</i> , <b>2017</b> , 10, 1313-1321	10	212
112	Potassium-Ion Oxygen Battery Based on a High Capacity Antimony Anode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26158-66	9.5	197
111	Templated Synthesis of Highly Ordered Mesoporous Nanowires and Nanowire Arrays. <i>Nano Letters</i> , <b>2004</b> , 4, 2337-2342	11.5	190
110	Integrating a redox-coupled dye-sensitized photoelectrode into a lithium-oxygen battery for photoassisted charging. <i>Nature Communications</i> , <b>2014</b> , 5, 5111	17.4	178
109	Large area single crystal (0001) oriented MoS <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2013</b> , 102, 252108	3.4	178
108	Photostable p-type dye-sensitized photoelectrochemical cells for water reduction. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11696-9	16.4	176
107	INORGANIC SEMICONDUCTOR NANOWIRES. <i>International Journal of Nanoscience</i> , <b>2002</b> , 01, 1-39	0.6	141
106	p-Type Dye-Sensitized Solar Cells Based on Delafossite CuGaO <sub>2</sub> Nanoplates with Saturation Photovoltages Exceeding 460 mV. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1074-8	6.4	140
105	Ammonia-Evaporation-Induced Synthetic Method for Metal (Cu, Zn, Cd, Ni) Hydroxide/Oxide Nanostructures. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 567-576	9.6	138
104	Synthesis and photocatalytic properties of highly crystalline and ordered mesoporous TiO <sub>2</sub> thin films. <i>Chemical Communications</i> , <b>2004</b> , 1670-1	5.8	130
103	Dimeric [Mo <sub>2</sub> S <sub>12</sub> ]( <sup>2-</sup> ) Cluster: A Molecular Analogue of MoS <sub>2</sub> Edges for Superior Hydrogen-Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15181-5	16.4	128
102	Valence band-edge engineering of nickel oxide nanoparticles via cobalt doping for application in p-type dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 5922-9	9.5	108
101	Membrane-Inspired Acidically Stable Dye-Sensitized Photocathode for Solar Fuel Production. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1174-9	16.4	106
100	Linker effect in organic donor-acceptor dyes for p-type NiO dye sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 2818	35.4	104
99	Cu(I)-based delafossite compounds as photocathodes in p-type dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 5026-33	3.6	103
98	Understanding side reactions in K-O <sub>2</sub> batteries for improved cycle life. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19299-307	9.5	100

97	Monoammonium Porphyrin for Blade-Coating Stable Large-Area Perovskite Solar Cells with >18% Efficiency. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 6345-6351	16.4	98
96	Solar-powered electrochemical energy storage: an alternative to solar fuels. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2766-2782	13	92
95	p-Type Dye-Sensitized NiO Solar Cells: A Study by Electrochemical Impedance Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 25109-25114	3.8	90
94	Localized High-Concentration Electrolytes Boost Potassium Storage in High-Loading Graphite. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902618	21.8	86
93	Investigating dendrites and side reactions in sodium-oxygen batteries for improved cycle lives. <i>Chemical Communications</i> , <b>2015</b> , 51, 7665-8	5.8	85
92	Probing the Low Fill Factor of NiO p-Type Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 26239-26246	3.8	85
91	Unveiling the influence of electrode/electrolyte interface on the capacity fading for typical graphite-based potassium-ion batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 24, 319-328	19.4	85
90	Concentrated Electrolyte for the Sodium-Oxygen Battery: Solvation Structure and Improved Cycle Life. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15310-15314	16.4	82
89	Metal nanowire formation using Mo(3)Se(3)(-) as reducing and sacrificing templates. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 10397-8	16.4	78
88	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> , <b>2012</b> , 116, 16854-16863	3.8	76
87	Germanium/carbon core-shell nanostructures. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 43-45	3.4	75
86	Potassium Superoxide: A Unique Alternative for Metal-Air Batteries. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2335-2343	24.3	72
85	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> , <b>2018</b> , 140, 11577-11580	16.4	70
84	Scalable synthesis of delafossite CuAlO <sub>2</sub> nanoparticles for p-type dye-sensitized solar cells applications. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 591, 275-279	5.7	68
83	Capillary Encapsulation of Metallic Potassium in Aligned Carbon Nanotubes for Use as Stable Potassium Metal Anodes. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901427	21.8	67
82	Cyclometalated ruthenium sensitizers bearing a triphenylamino group for p-type NiO dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8641-8	9.5	64
81	The effect of an atomically deposited layer of alumina on NiO in P-type dye-sensitized solar cells. <i>Langmuir</i> , <b>2012</b> , 28, 950-6	4	62
80	Simultaneous Stabilization of Potassium Metal and Superoxide in K-O Batteries on the Basis of Electrolyte Reactivity. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10864-10867	16.4	61

79	Electrocatalytic Activity of Graphene Multilayers toward $\text{H}_2\text{O}_2$ Effect of Preparation Conditions and Polyelectrolyte Modification. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 15857-15861	3.8	60
78	Understanding the crystallization mechanism of delafossite $\text{CuGaO}_2$ for controlled hydrothermal synthesis of nanoparticles and nanoplates. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 5845-51	5.1	54
77	Mesoporous Nb-Doped $\text{TiO}_2$ as Pt Support for Counter Electrode in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7456-7460	3.8	54
76	Exploring Stability of Nonaqueous Electrolytes for Potassium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 1828-1833	6.1	53
75	Critical Role of Screw Dislocation in the Growth of $\text{Co}(\text{OH})_2$ Nanowires as Intermediates for $\text{Co}_3\text{O}_4$ Nanowire Growth. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 5537-5542	9.6	51
74	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> , <b>2014</b> , 16, 26103-11	3.6	50
73	Single-crystal mesoporous silica ribbons. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 44, 332-6	16.4	48
72	The Long-Term Stability of KO in K-O Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1227-1231	16.4	48
71	Chemical Synthesis of $\text{K}_2\text{S}_2$ and $\text{K}_2\text{S}_3$ for Probing Electrochemical Mechanisms in K-S Batteries. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2858-2864	20.1	47
70	Probing Mechanisms for Inverse Correlation between Rate Performance and Capacity in K-O Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4301-4308	9.5	45
69	Formation of $\text{Na}_{0.44}\text{MnO}_2$ nanowires via stress-induced splitting of birnessite nanosheets. <i>Nano Research</i> , <b>2009</b> , 2, 54-60	10	44
68	pH-Tuning a Solar Redox Flow Battery for Integrated Energy Conversion and Storage. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 578-582	20.1	43
67	Photoinduced Electron Transfer Dynamics of Cyclometalated Ruthenium (II) Naphthalenediimide Dyad at $\text{NiO}$ Photocathode. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 18315-18324	3.8	43
66	Artificial Solid-Electrolyte Interphase Enabled High-Capacity and Stable Cycling Potassium Metal Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902697	21.8	42
65	Photoelectrochemical Study of the Ilmenite Polymorph of $\text{CdSnO}_3$ and Its Photoanodic Application in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 6802-6807	3.8	39
64	Tunable Molecular $\text{MoS}_2$ Edge-Site Mimics for Catalytic Hydrogen Production. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3960-6	5.1	39
63	Machine Learning for Understanding Compatibility of Organic-Inorganic Hybrid Perovskites with Post-Treatment Amines. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 397-404	20.1	39
62	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> , <b>2021</b> , 60, 6294-6299	16.4	38

61	Anchoring an Artificial Protective Layer To Stabilize Potassium Metal Anode in Rechargeable K-O Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16571-16577	9.5	34
60	Preparation, characterization, and electrocatalytic performance of graphene-methylene blue thin films. <i>Nano Research</i> , <b>2011</b> , 4, 124-130	10	34
59	Dye-controlled interfacial electron transfer for high-current indium tin oxide photocathodes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6857-61	16.4	33
58	Molecular Orbital Engineering of a Panchromatic Cyclometalated Ru(II) Dye for p-Type Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 16518-16525	3.8	31
57	Greatly Enhanced Anode Stability in K-Oxygen Batteries with an In Situ Formed Solvent- and Oxygen-Impermeable Protection Layer. <i>Advanced Energy Materials</i> , <b>2017</b> , 7,	21.8	31
56	Dimeric [Mo <sub>2</sub> S <sub>12</sub> ] <sup>2-</sup> Cluster: A Molecular Analogue of MoS <sub>2</sub> Edges for Superior Hydrogen-Evolution Electrocatalysis. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15396-15400	3.6	30
55	[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> , <b>2016</b> , 138, 13726-13731	16.4	30
54	Sonochemical synthesis of copper hydride (CuH). <i>Chemical Communications</i> , <b>2012</b> , 48, 1302-4	5.8	28
53	Characterization of heat transfer along a silicon nanowire using thermoreflectance technique. <i>IEEE Nanotechnology Magazine</i> , <b>2006</b> , 5, 67-74	2.6	27
52	The Long-Term Stability of KO <sub>2</sub> in K-O <sub>2</sub> Batteries. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1241-1245	3.6	27
51	Anion-Redox Mechanism of MoO(S)(2,2'-bipyridine) for Electrocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4342-4345	16.4	24
50	Superoxide-Based K-O Batteries: Highly Reversible Oxygen Redox Solves Challenges in Air Electrodes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 11629-11640	16.4	24
49	A dehydrobenzoannulene-based two-dimensional covalent organic framework as an anode material for lithium-ion batteries. <i>Molecular Systems Design and Engineering</i> , <b>2020</b> , 5, 97-101	4.6	23
48	Assembly of spherical micelles in 2D physical confinements and their replication into mesoporous silica nanorods. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4558		22
47	Bilayer Dye Protected Aqueous Photocathodes for Tandem Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 8787-8795	3.8	21
46	From K-O to K-Air Batteries: Realizing Superoxide Batteries on the Basis of Dry Ambient Air. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10498-10501	16.4	21
45	2H-CuScO <sub>2</sub> Prepared by Low-Temperature Hydrothermal Methods and Post-Annealing Effects on Optical and Photoelectrochemical Properties. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5519-26	5.1	20
44	Existence of Ligands within Sol-Gel-Derived ZnO Films and Their Effect on Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 43116-43121	9.5	17



43	Excimer-Mediated Intermolecular Charge Transfer in Self-Assembled Donor-Acceptor Dyes on Metal Oxides. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8727-8731	16.4	16
42	Dye-sensitized photocathodes for oxygen reduction: efficient HO <sub>2</sub> production and aprotic redox reactions. <i>Chemical Science</i> , <b>2019</b> , 10, 5519-5527	9.4	16
41	Building a Reactive Armor Using S-Doped Graphene for Protecting Potassium Metal Anodes from Oxygen Crossover in K <sub>2</sub> O <sub>2</sub> Batteries. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 1788-1793	20.1	16
40	Anthraquinone Redox Relay for Dye-Sensitized Photo-electrochemical H <sub>2</sub> O Production. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10904-10908	16.4	16
39	Concentrated Electrolyte for the Sodium-Oxygen Battery: Solvation Structure and Improved Cycle Life. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 15536-15540	3.6	16
38	Predictive Design Model for Low-Dimensional Organic-Inorganic Halide Perovskites Assisted by Machine Learning. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 12766-12776	16.4	16
37	Grain Boundary Engineering with Self-Assembled Porphyrin Supramolecules for Highly Efficient Large-Area Perovskite Photovoltaics. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 18989-18996	16.4	13
36	Decoupling pH Dependence of Flat Band Potential in Aqueous Dye-Sensitized Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 8681-8687	3.8	12
35	Alkali-Oxygen Batteries Based on Reversible Superoxide Chemistry. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 17627-17637	4.8	11
34	Electron Transfer Kinetics of a Series of Bilayer Triphenylamine-Oligothiophene-Berylenemonoimide Sensitizers for Dye-Sensitized NiO. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 20720-20728	3.8	11
33	Pursuing graphite-based K-ion O <sub>2</sub> batteries: a lesson from Li-ion batteries. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 3656-3662	35.4	11
32	Ambient Pressure X-ray Photoelectron Spectroscopy Investigation of Thermally Stable Halide Perovskite Solar Cells via Post-Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 43705-43713	9.5	10
31	Simultaneous Stabilization of Potassium Metal and Superoxide in K <sub>2</sub> O <sub>2</sub> Batteries on the Basis of Electrolyte Reactivity. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11030-11033	3.6	10
30	A reaction-and-assembly approach using monoamine zinc porphyrin for highly stable large-area perovskite solar cells. <i>Science China Chemistry</i> , <b>2020</b> , 63, 777-784	7.9	9
29	Dirhodium(II,II)/NiO Photocathode for Photoelectrocatalytic Hydrogen Evolution with Red Light. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1610-1617	16.4	9
28	An Indacenodithieno[3,2-b]thiophene-Based Organic Dye for Solid-State p-Type Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , <b>2019</b> , 12, 3243-3248	8.3	8
27	Designing Potassium Battery Salts through a Solvent-in-Anion Concept for Concentrated Electrolytes and Mimicking Solvation Structures. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 10423-10434	9.6	8
26	From K-O <sub>2</sub> to K-Air Batteries: Realizing Superoxide Batteries on the Basis of Dry Ambient Air. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 10584-10587	3.6	8

25	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> , <b>2021</b> , 133, 6364-6369	3.6	8
24	Antiperovskite Superionic Conductors: A Critical Review. <i>ACS Materials Au</i> ,		8
23	Interfacial design of new generation of dye-sensitized photoelectrochemical cells for water oxidation. <i>Science China Chemistry</i> , <b>2018</b> , 61, 1203-1204	7.9	7
22	Measurements of Bi/sub 2/Te/sub 3/ nanowire thermal conductivity and Seebeck coefficient		7
21	A Graphite Intercalation Composite as the Anode for the Potassium-Ion Oxygen Battery in a Concentrated Ether-Based Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 37027-37033	9.5	7
20	Use of Polarization Curves and Impedance Analyses to Optimize the "Triple-Phase Boundary" in K-O Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 2925-2934	9.5	7
19	Antiperovskite KOI for K-Ion Solid State Electrolyte. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 71206-7126	7.4	7
18	Alkynyl-Based Covalent Organic Frameworks as High-Performance Anode Materials for Potassium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 41628-41636	9.5	7
17	Electrocatalytic Properties of Cuprous Delafossite Oxides for the Alkaline Oxygen Reduction Reaction. <i>ChemCatChem</i> , <b>2017</b> , 9, 3837-3842	5.2	5
16	Single-Crystal Mesoporous Silica Ribbons. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 336-340	3.6	5
15	A Bioinspired Molybdenum Catalyst for Aqueous Perchlorate Reduction. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7891-7896	16.4	5
14	Low frequency noise in chemical vapor deposited MoS2 <b>2013</b> ,		4
13	Single Potassium-Ion Conducting Polymer Electrolytes: Preparation, Ionic Conductivities, and Electrochemical Stability. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 4156-4164	6.1	4
12	Anthraquinone Redox Relay for Dye-Sensitized Photo-electrochemical H2O2 Production. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 10996-11000	3.6	4
11	[Mo2O2S8]2- small molecule dimer as a basis for hydrogen evolution reaction (HER) catalyst materials. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	3
10	Dye-Controlled Interfacial Electron Transfer for High-Current Indium Tin Oxide Photocathodes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6961-6965	3.6	3
9	Achieving ultralong cycle life graphite binary intercalation in intermediate-concentration ether-based electrolyte for potassium-ion batteries. <i>Carbon</i> , <b>2022</b> , 196, 229-235	10.4	2
8	Electron transport in large-area epitaxial MoS2 <b>2014</b> ,		1



7	Engineering Nanostructures for Single-Molecule Surface-Enhanced Raman Spectroscopy. <i>Israel Journal of Chemistry</i> , <b>2006</b> , 46, 283-291	3-4	1
6	Unusual Melting Trend in an Alkali Asymmetric Sulfonamide Salt Series: Single-Crystal Analysis and Modeling. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 14679-14686	5-1	0
5	Exploring Thermal Properties of MoS <sub>2</sub> Using In Situ Quantitative STEM. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 912-913	0-5	
4	NANOCRYSTALLINE OXIDE SEMICONDUCTORS FOR DYE-SENSITIZED SOLAR CELLS <b>2011</b> , 127-173		
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