

# Tuo Wang

## 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.

117  
papers

9,629  
citations

51  
h-index

97  
g-index

132  
ext. papers

11,471  
ext. citations

13.3  
avg, IF

6.83  
L-index

#	Paper	IF	Citations
117	Transparent, High-Performance and Stable Sb S Photoanode Enabled by Heterojunction Engineering with Conjugated Polycarbazole Frameworks for Unbiased Photoelectrochemical Overall Water Splitting Devices.. <i>Advanced Materials</i> , <b>2022</b> , e2200723	24	3
116	Artificial Leaves for Solar Fuels. <i>Chinese Journal of Chemistry</i> , <b>2021</b> , 39, 1450-1458	4.9	2
115	Performance Prediction of Multiple Photoanodes Systems for Unbiased Photoelectrochemical Water Splitting <b>2021</b> , 3, 939-946		2
114	Controllable Cu -Cu Sites for Electrocatalytic Reduction of Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15344-15347	16.4	41
113	Controllable Cu <sup>0</sup> -Cu <sup>+</sup> Sites for Electrocatalytic Reduction of Carbon Dioxide. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15472-15475	3.6	12
112	Double-Side Si Photoelectrode Enabled by Chemical Passivation for Photoelectrochemical Hydrogen and Oxygen Evolution Reactions. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007222	15.6	8
111	Controllable Distribution of Oxygen Vacancies in Grain Boundaries of p-Si/TiO Heterojunction Photocathodes for Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 4034-4037	16.4	12
110	Controllable Distribution of Oxygen Vacancies in Grain Boundaries of p-Si/TiO <sub>2</sub> Heterojunction Photocathodes for Solar Water Splitting. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 4080-4083	3.6	4
109	Spatial decoupling of light absorption and reaction sites in n-Si photocathodes for solar water splitting. <i>National Science Review</i> , <b>2021</b> , 8, nwa293	10.8	6
108	The nature of active sites for carbon dioxide electroreduction over oxide-derived copper catalysts. <i>Nature Communications</i> , <b>2021</b> , 12, 395	17.4	46
107	Effect of bicarbonate on CO <sub>2</sub> electroreduction over cathode catalysts. <i>Fundamental Research</i> , <b>2021</b> , 1, 432-438		4
106	Deep Learning Based Modulation Recognition With Multi-Cue Fusion. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 1757-1760	5.9	5
105	Efficient CO electroreduction on facet-selective copper films with high conversion rate. <i>Nature Communications</i> , <b>2021</b> , 12, 5745	17.4	19
104	Two-dimensional gersiloxenes with tunable bandgap for photocatalytic H evolution and CO photoreduction to CO. <i>Nature Communications</i> , <b>2020</b> , 11, 1443	17.4	41
103	Grain-Boundary-Rich Copper for Efficient Solar-Driven Electrochemical CO Reduction to Ethylene and Ethanol. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6878-6883	16.4	121
102	Alternative Strategies Toward Sustainable Ammonia Synthesis. <i>Transactions of Tianjin University</i> , <b>2020</b> , 26, 67-91	2.9	18
101	Bifacial passivation of n-silicon metal-insulator-semiconductor photoelectrodes for efficient oxygen and hydrogen evolution reactions. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 221-228	35.4	34

100	Construction of uniform buried pn junctions on pyramid Si photocathodes using a facile and safe spin-on method for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 224-230	13	12
99	Enriched Surface Oxygen Vacancies of Photoanodes by Photoetching with Enhanced Charge Separation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2044-2048	16.4	83
98	Enriched Surface Oxygen Vacancies of Photoanodes by Photoetching with Enhanced Charge Separation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2060-2064	3.6	15
97	Single-crystal silicon-based electrodes for unbiased solar water splitting: current status and prospects. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 2158-2181	58.5	103
96	Photoelectrochemical CO <sub>2</sub> reduction to adjustable syngas on grain-boundary-mediated a-Si/TiO <sub>2</sub> /Au photocathodes with low onset potentials. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 923-928	35.4	74
95	Adjusting the Reduction Potential of Electrons by Quantum Confinement for Selective Photoreduction of CO to Methanol. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3804-3808	16.4	63
94	Adjusting the Reduction Potential of Electrons by Quantum Confinement for Selective Photoreduction of CO <sub>2</sub> to Methanol. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3844-3848	3.6	9
93	Crucial Role of Surface Hydroxyls on the Activity and Stability in Electrochemical CO Reduction. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2911-2915	16.4	115
92	Multifunctional Nickel Film Protected n-Type Silicon Photoanode with High Photovoltage for Efficient and Stable Oxygen Evolution Reaction. <i>Small Methods</i> , <b>2019</b> , 3, 1900212	12.8	24
91	Transparent Ta <sub>2</sub> O <sub>5</sub> Protective Layer for Stable Silicon Photocathode under Full Solar Spectrum. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 5510-5515	3.9	16
90	The Development of Cocatalysts for Photoelectrochemical CO Reduction. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804710	24	104
89	Rational design of yolk-shell nanostructures for photocatalysis. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 1874-1897	58.9	171
88	Promoted Fixation of Molecular Nitrogen with Surface Oxygen Vacancies on Plasmon-Enhanced TiO Photoelectrodes. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5278-5282	16.4	271
87	Promoted Fixation of Molecular Nitrogen with Surface Oxygen Vacancies on Plasmon-Enhanced TiO <sub>2</sub> Photoelectrodes. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5376-5380	3.6	37
86	Spatial control of cocatalysts and elimination of interfacial defects towards efficient and robust CIGS photocathodes for solar water splitting. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2025-2034	35.4	87
85	Reaktitelbild: Promoted Fixation of Molecular Nitrogen with Surface Oxygen Vacancies on Plasmon-Enhanced TiO <sub>2</sub> Photoelectrodes (Angew. Chem. 19/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5656-5656	3.6	36
84	WO <sub>3</sub> photoanodes with controllable bulk and surface oxygen vacancies for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3350-3354	13	69
83	Homogeneous Cu <sub>2</sub> O p-n junction photocathodes for solar water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 226, 31-37	21.8	90

82	Current Mechanistic Understanding of Surface Reactions over Water-Splitting Photocatalysts. <i>CheM</i> , <b>2018</b> , 4, 223-245	16.2	68
81	Achieving convenient CO electroreduction and photovoltage in tandem using potential-insensitive disordered Ag nanoparticles. <i>Chemical Science</i> , <b>2018</b> , 9, 6599-6604	9.4	22
80	Surface, Bulk, and Interface: Rational Design of Hematite Architecture toward Efficient Photo-Electrochemical Water Splitting. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707502	24	157
79	Multifunctional TiO <sub>2</sub> overlayer for p-Si/n-CdS heterojunction photocathode with improved efficiency and stability. <i>Nano Energy</i> , <b>2018</b> , 53, 125-129	17.1	47
78	Tuning Cu/Cu <sub>2</sub> O Interfaces for the Reduction of Carbon Dioxide to Methanol in Aqueous Solutions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15641-15645	3.6	23
77	Titelbild: Tuning Cu/Cu <sub>2</sub> O Interfaces for the Reduction of Carbon Dioxide to Methanol in Aqueous Solutions (Angew. Chem. 47/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15507-15507	3.6	1
76	Tuning Cu/Cu <sub>2</sub> O Interfaces for the Reduction of Carbon Dioxide to Methanol in Aqueous Solutions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15415-15419	16.4	118
75	The impact of Al <sub>2</sub> O <sub>3</sub> back interface layer on low-temperature growth of ultrathin Cu(In,Ga)Se <sub>2</sub> solar cells. <i>Optoelectronics Letters</i> , <b>2018</b> , 14, 363-366	0.7	
74	Nano-designed semiconductors for electro- and photoelectro-catalytic conversion of carbon dioxide. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 5423-5443	58.5	119
73	Tunable syngas production from photocatalytic CO reduction with mitigated charge recombination driven by spatially separated cocatalysts. <i>Chemical Science</i> , <b>2018</b> , 9, 5334-5340	9.4	65
72	A highly efficient photoelectrochemical H <sub>2</sub> production reaction with CoO as a co-catalyst. <i>Chemical Communications</i> , <b>2018</b> , 54, 7026-7029	5.8	24
71	Surviving High-Temperature Calcination: ZrO <sub>2</sub> -Induced Hematite Nanotubes for Photoelectrochemical Water Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4150-4155	16.4	104
70	Surviving High-Temperature Calcination: ZrO <sub>2</sub> -Induced Hematite Nanotubes for Photoelectrochemical Water Oxidation. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4214-4219	3.6	35
69	Overestimated solar water splitting performance on oxide semiconductor anodes. <i>Science China Materials</i> , <b>2017</b> , 60, 90-92	7.1	3
68	Innenrücktitelbild: Surviving High-Temperature Calcination: ZrO <sub>2</sub> -Induced Hematite Nanotubes for Photoelectrochemical Water Oxidation (Angew. Chem. 15/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4427-4427	3.6	
67	Enhancement of photoelectrochemical oxidation by an amorphous nickel boride catalyst on porous BiVO <sub>4</sub> . <i>Nanoscale</i> , <b>2017</b> , 9, 16133-16137	7.7	41
66	Effective Charge Carrier Utilization in Visible-Light-Driven CO <sub>2</sub> Conversion. <i>Semiconductors and Semimetals</i> , <b>2017</b> , 97, 429-467	0.6	3
65	Titelbild: Dendritic Hematite Nanoarray Photoanode Modified with a Conformal Titanium Dioxide Interlayer for Effective Charge Collection (Angew. Chem. 42/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12967-12967	3.6	

64	Dendritic Hematite Nanoarray Photoanode Modified with a Conformal Titanium Dioxide Interlayer for Effective Charge Collection. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12878-12882	16.4	117
63	Improved Oxygen Evolution Kinetics and Surface States Passivation of Ni-B i Co-Catalyst for a Hematite Photoanode. <i>Engineering</i> , <b>2017</b> , 3, 285-289	9.7	32
62	Dendritic Hematite Nanoarray Photoanode Modified with a Conformal Titanium Dioxide Interlayer for Effective Charge Collection. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13058-13062	3.6	10
61	A Low-Cost NiO Hole Transfer Layer for Ohmic Back Contact to Cu O for Photoelectrochemical Water Splitting. <i>Small</i> , <b>2017</b> , 13, 1702007	11	34
60	Gradient doping of phosphorus in FeO nanoarray photoanodes for enhanced charge separation. <i>Chemical Science</i> , <b>2017</b> , 8, 91-100	9.4	168
59	Innentitelbild: Thin Heterojunctions and Spatially Separated Cocatalysts To Simultaneously Reduce Bulk and Surface Recombination in Photocatalysts (Angew. Chem. 44/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13818-13818	3.6	1
58	Thin Heterojunctions and Spatially Separated Cocatalysts To Simultaneously Reduce Bulk and Surface Recombination in Photocatalysts. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13938-13942	3.6	16
57	Frontispiece: Stable Aqueous Photoelectrochemical CO <sub>2</sub> Reduction by a Cu <sub>2</sub> O Dark Cathode with Improved Selectivity for Carbonaceous Products. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55,	16.4	1
56	Thin Heterojunctions and Spatially Separated Cocatalysts To Simultaneously Reduce Bulk and Surface Recombination in Photocatalysts. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13734-13738	16.4	124
55	Stable Aqueous Photoelectrochemical CO <sub>2</sub> Reduction by a Cu <sub>2</sub> O Dark Cathode with Improved Selectivity for Carbonaceous Products. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 8986-8991	3.6	41
54	Innentitelbild: Synergistic Cocatalytic Effect of Carbon Nanodots and Co <sub>3</sub> O <sub>4</sub> Nanoclusters for the Photoelectrochemical Water Oxidation on Hematite (Angew. Chem. 19/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5704-5704	3.6	
53	Synergistic Cocatalytic Effect of Carbon Nanodots and Co <sub>3</sub> O <sub>4</sub> Nanoclusters for the Photoelectrochemical Water Oxidation on Hematite. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5851-5	16.4	153
52	Passivation of surface states by ALD-grown TiO <sub>2</sub> overlayers on Ta <sub>3</sub> N <sub>5</sub> anodes for photoelectrochemical water oxidation. <i>Chemical Communications</i> , <b>2016</b> , 52, 8806-9	5.8	37
51	Fabrication of porous nanoflake BiMO (M = W, V, and Mo) photoanodes hydrothermal anion exchange. <i>Chemical Science</i> , <b>2016</b> , 7, 6381-6386	9.4	51
50	Effects of Ga doping on Pt/CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts for propane dehydrogenation. <i>AIChE Journal</i> , <b>2016</b> , 62, 4365-4376	3.6	61
49	Stable Aqueous Photoelectrochemical CO <sub>2</sub> Reduction by a Cu <sub>2</sub> O Dark Cathode with Improved Selectivity for Carbonaceous Products. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8840-5	16.4	135
48	Highly-oriented Fe <sub>2</sub> O <sub>3</sub> /ZnFe <sub>2</sub> O <sub>4</sub> nanocolumnar heterojunction with improved charge separation for photoelectrochemical water oxidation. <i>Chemical Communications</i> , <b>2016</b> , 52, 9013-5	5.8	55
47	CO <sub>2</sub> photo-reduction: insights into CO <sub>2</sub> activation and reaction on surfaces of photocatalysts. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2177-2196	35.4	1038

46	Spatial separation of oxidation and reduction co-catalysts for efficient charge separation: Pt@TiO <sub>2</sub> @MnO hollow spheres for photocatalytic reactions. <i>Chemical Science</i> , <b>2016</b> , 7, 890-895	9.4	111
45	Synergistic Cocatalytic Effect of Carbon Nanodots and Co <sub>3</sub> O <sub>4</sub> Nanoclusters for the Photoelectrochemical Water Oxidation on Hematite. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5945-5949	3.6	29
44	Enhanced Charge Separation through ALD-Modified Fe <sub>2</sub> O <sub>3</sub> /Fe <sub>2</sub> TiO <sub>5</sub> Nanorod Heterojunction for Photoelectrochemical Water Oxidation. <i>Small</i> , <b>2016</b> , 12, 3415-22	11	101
43	Effective Charge Carrier Utilization in Photocatalytic Conversions. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 911-21	24.3	200
42	Highly loaded Ni-based catalysts for low temperature ethanol steam reforming. <i>Nanoscale</i> , <b>2016</b> , 8, 10177-87	7.87	41
41	Tungsten oxide single crystal nanosheets for enhanced multichannel solar light harvesting. <i>Advanced Materials</i> , <b>2015</b> , 27, 1580-6	24	341
40	Transparent ALD-grown Ta <sub>2</sub> O <sub>5</sub> protective layer for highly stable ZnO photoelectrode in solar water splitting. <i>Chemical Communications</i> , <b>2015</b> , 51, 7290-3	5.8	53
39	Enhanced Surface Reaction Kinetics and Charge Separation of p-n Heterojunction Co <sub>3</sub> O <sub>4</sub> /BiVO <sub>4</sub> Photoanodes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8356-9	16.4	611
38	Selective oxidation of methanol to dimethoxymethane over V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Science Bulletin</i> , <b>2015</b> , 60, 1009-1018	10.6	13
37	Monoclinic WO <sub>3</sub> nanomultilayers with preferentially exposed (002) facets for photoelectrochemical water splitting. <i>Nano Energy</i> , <b>2015</b> , 11, 189-195	17.1	128
36	Au nanoparticle sensitized ZnO nanopencil arrays for photoelectrochemical water splitting. <i>Nanoscale</i> , <b>2015</b> , 7, 77-81	7.7	115
35	Mechanistic Understanding of the Plasmonic Enhancement for Solar Water Splitting. <i>Advanced Materials</i> , <b>2015</b> , 27, 5328-42	24	301
34	Einkristalline Halbleiter mit kleinen Bandlücken für die solare Wasserspaltung. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 10866-10881	3.6	18
33	Single-Crystal Semiconductors with Narrow Band Gaps for Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10718-32	16.4	109
32	Nanosheets: Tungsten Oxide Single Crystal Nanosheets for Enhanced Multichannel Solar Light Harvesting (Adv. Mater. 9/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 1579-1579	24	7
31	Bridging the transport pathway of charge carriers in a Ta <sub>3</sub> N <sub>5</sub> nanotube array photoanode for solar water splitting. <i>Nanoscale</i> , <b>2015</b> , 7, 13153-8	7.7	41
30	Solar Water Splitting: Mechanistic Understanding of the Plasmonic Enhancement for Solar Water Splitting (Adv. Mater. 36/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 5444-5444	24	2
29	Sub-10 nm rutile titanium dioxide nanoparticles for efficient visible-light-driven photocatalytic hydrogen production. <i>Nature Communications</i> , <b>2015</b> , 6, 5881	17.4	535

28	CeO <sub>2</sub> -modified Au@SBA-15 nanocatalysts for liquid-phase selective oxidation of benzyl alcohol. <i>Nanoscale</i> , <b>2015</b> , 7, 7593-602	7.7	61
27	Gold Nanorod@TiO <sub>2</sub> Yolk-Shell Nanostructures for Visible-Light-Driven Photocatalytic Oxidation of Benzyl Alcohol. <i>Small</i> , <b>2015</b> , 11, 1892-9	11	92
26	Steam reforming of ethanol over skeletal Ni-based catalysts: A temperature programmed desorption and kinetic study. <i>AIChE Journal</i> , <b>2014</b> , 60, 635-644	3.6	35
25	Reduction of nonspecific binding for cellular imaging using quantum dots conjugated with vitamin E. <i>AIChE Journal</i> , <b>2014</b> , 60, 1591-1597	3.6	2
24	Monoclinic porous BiVO <sub>4</sub> networks decorated by discrete g-C <sub>3</sub> N <sub>4</sub> nano-islands with tunable coverage for highly efficient photocatalysis. <i>Small</i> , <b>2014</b> , 10, 2783-90, 2741	11	187
23	Facile synthesis of ZnO nanopencil arrays for photoelectrochemical water splitting. <i>Nano Energy</i> , <b>2014</b> , 7, 143-150	17.1	66
22	Controllable synthesis of nanotube-type graphitic C <sub>3</sub> N <sub>4</sub> and their visible-light photocatalytic and fluorescent properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2885	13	223
21	Simple strategies for fabrication of a periodic mesoporous aluminosilicate with crystalline walls. <i>Small</i> , <b>2014</b> , 10, 4249-56	11	3
20	Propane dehydrogenation over Pt-Cu bimetallic catalysts: the nature of coke deposition and the role of copper. <i>Nanoscale</i> , <b>2014</b> , 6, 10000-8	7.7	146
19	Zeolite growth by synergy between solution-mediated and solid-phase transformations. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 14360	13	17
18	Reduced Graphene Oxide (rGO)/BiVO <sub>4</sub> Composites with Maximized Interfacial Coupling for Visible Light Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2253-2258	8.3	140
17	Photocatalysts: Monoclinic Porous BiVO <sub>4</sub> Networks Decorated by Discrete g-C <sub>3</sub> N <sub>4</sub> Nano-Islands with Tunable Coverage for Highly Efficient Photocatalysis (Small 14/2014). <i>Small</i> , <b>2014</b> , 10, 2782-2782	11	7
16	Selective oxidation of methanol to dimethoxymethane on V <sub>2</sub> O <sub>5</sub> /MoO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 160-161, 161-172	21.8	48
15	Glycerol steam reforming over perovskite-derived nickel-based catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 277-285	21.8	124
14	Controllable fabrication of nanostructured materials for photoelectrochemical water splitting via atomic layer deposition. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 7469-84	58.5	187
13	Dendritic Au/TiO <sub>2</sub> nanorod arrays for visible-light driven photoelectrochemical water splitting. <i>Nanoscale</i> , <b>2013</b> , 5, 9001-9	7.7	211
12	Selective deposition of Ag <sub>2</sub> O on monoclinic BiVO <sub>4</sub> (040) for highly efficient photocatalysis. <i>Small</i> , <b>2013</b> , 9, 3951-6, 3950	11	200
11	Pt-based core-shell nanocatalysts with enhanced activity and stability for CO oxidation. <i>Chemical Communications</i> , <b>2013</b> , 49, 10647-9	5.8	27

10	Mesoporous anatase TiO <sub>2</sub> nanocups with plasmonic metal decoration for highly active visible-light photocatalysis. <i>Chemical Communications</i> , <b>2013</b> , 49, 5817-9	5.8	96
9	Hydrogen Production via Glycerol Steam Reforming over Ni/Al <sub>2</sub> O <sub>3</sub> : Influence of Nickel Precursors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 1052-1062	8.3	135
8	Understanding electronic and optical properties of anatase TiO <sub>2</sub> photocatalysts co-doped with nitrogen and transition metals. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 9549-61	3.6	76
7	Photocatalysis: Selective Deposition of Ag <sub>3</sub> PO <sub>4</sub> on Monoclinic BiVO <sub>4</sub> (040) for Highly Efficient Photocatalysis (Small 23/2013). <i>Small</i> , <b>2013</b> , 9, 3950-3950	11	15
6	Structure versus Thermal Stability: The Periodic Structure of Atomic Layer Deposition-Grown Al-Incorporated HfO <sub>2</sub> Films and Its Effects on Amorphous Stabilization. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1679-1685	9.6	13
5	Optical properties of La-incorporated HfO <sub>2</sub> upon crystallization. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 122904	4.4	11
4	Atomic Layer Deposition of Tantalum-Incorporated Hafnium Dioxide: Strategies to Enhance Thermal Stability. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, G185	3.9	6
3	Hafnia: Energetics of thin films and nanoparticles. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 123514	2.5	33
2	Subnanoscale Lanthanum Distribution in Lanthanum-Incorporated Hafnium Oxide Thin Films Grown Using Atomic Layer Deposition. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3798-3806	9.6	9
1	Atomic Layer Deposition of Lanthanum Stabilized Amorphous Hafnium Oxide Thin Films. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 3096-3101	9.6	37