## Thomas J Meyer

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Design and characterization of surface molecular assemblies for the preparation of solar fuels. Chemical Physics Reviews, 2022, 3, .	5.7	5
2	A Semiconductorâ€Mediatorâ€Catalyst Artificial Photosynthetic System for Photoelectrochemical Water Oxidation. Chemistry - A European Journal, 2022, 28, e202102630.	3.3	4
3	Water oxidation by a noble metal-free photoanode modified with an organic dye and a molecular cobalt catalyst. Journal of Materials Chemistry A, 2022, 10, 9121-9128.	10.3	6
4	Selective CO <sub>2</sub> Reduction to Formate on a Zn-Based Electrocatalyst Promoted by Tellurium. Chemistry of Materials, 2022, 34, 6036-6047.	6.7	15
5	Application of Atomic Layer Deposition in Dye-Sensitized Photoelectrosynthesis Cells. Trends in Chemistry, 2021, 3, 59-71.	8.5	7
6	Dye-Sensitized Nonstoichiometric Strontium Titanate Core–Shell Photocathodes for Photoelectrosynthesis Applications. ACS Applied Materials & Interfaces, 2021, 13, 15261-15269.	8.0	5
7	Ruthenium Dyes, Charge Transfer, and the Sun. ECS Meeting Abstracts, 2021, MA2021-01, 1812-1812.	0.0	0
8	Influence of Surface and Structural Variations in Donor–Acceptor–Donor Sensitizers on Photoelectrocatalytic Water Splitting. ACS Applied Materials & Interfaces, 2021, 13, 47499-47510.	8.0	3
9	Nanotechnology for catalysis and solar energy conversion. Nanotechnology, 2021, 32, 042003.	2.6	44
10	Photodriven water oxidation initiated by a surface bound chromophore-donor-catalyst assembly. Chemical Science, 2021, 12, 14441-14450.	7.4	16
11	Henry Taube. 30 November 1915—16 November 2005. Biographical Memoirs of Fellows of the Royal Society, 2021, 70, 409-418.	0.1	0
12	Heterointerface Engineering of Ni <sub>2</sub> P–Co <sub>2</sub> P Nanoframes for Efficient Water Splitting. Chemistry of Materials, 2021, 33, 9165-9173.	6.7	53
13	Hybrid Photoelectrochemical Water Splitting Systems: From Interface Design to System Assembly. Advanced Energy Materials, 2020, 10, 1900399.	19.5	152
14	A stable dye-sensitized photoelectrosynthesis cell mediated by a NiO overlayer for water oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12564-12571.	7.1	32
15	CO <sub>2</sub> Reduction: From Homogeneous to Heterogeneous Electrocatalysis. Accounts of Chemical Research, 2020, 53, 255-264.	15.6	391
16	CoP Nanoframes as Bifunctional Electrocatalysts for Efficient Overall Water Splitting. ACS Catalysis, 2020, 10, 412-419.	11.2	361
17	A Novel Bactericidal Drug Effective Against Gram-Positive and Gram-Negative Pathogenic Bacteria: Easy as AB569. DNA and Cell Biology, 2020, 39, 1473-1477.	1.9	1
18	Stabilization of a molecular water oxidation catalyst on a dyeâ^'sensitized photoanode by aÂpyridyl anchor. Nature Communications, 2020, 11, 4610.	12.8	38

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19	A molecular tandem cell for efficient solar water splitting. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13256-13260.	7.1	28
20	Chemical approaches to artificial photosynthesis: A molecular, dye-sensitized photoanode for O2 production prepared by layer-by-layer self-assembly. Journal of Chemical Physics, 2020, 152, 244706.	3.0	6
21	Ultrafast Relaxations in Ruthenium Polypyridyl Chromophores Determined by Stochastic Kinetics Simulations. Journal of Physical Chemistry B, 2020, 124, 5971-5985.	2.6	13
22	AB569, a nontoxic chemical tandem that kills major human pathogenic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4921-4930.	7.1	6
23	Electron-Withdrawing Boron Dipyrromethene Dyes As Visible Light Absorber/Sensitizers on Semiconductor Oxide Surfaces. ACS Applied Materials & Interfaces, 2020, 12, 7768-7776.	8.0	23
24	Excitation energy-dependent photocurrent switching in a single-molecule photodiode. Proceedings of the United States of America, 2019, 116, 16198-16203.	7.1	10
25	Self-Assembled Chromophore–Catalyst Bilayer for Water Oxidation in a Dye-Sensitized Photoelectrosynthesis Cell. Journal of Physical Chemistry C, 2019, 123, 30039-30045.	3.1	22
26	Stable Molecular Photocathode for Solar-Driven CO <sub>2</sub> Reduction in Aqueous Solutions. ACS Energy Letters, 2019, 4, 629-636.	17.4	54
27	A Silicon-Based Heterojunction Integrated with a Molecular Excited State in a Water-Splitting Tandem Cell. Journal of the American Chemical Society, 2019, 141, 10390-10398.	13.7	34
28	A strategy for stabilizing the catalyst Co <sub>4</sub> O <sub>4</sub> in a metal–organic framework. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13719-13720.	7.1	3
29	Electrocatalytic CO <sub>2</sub> Reduction with a Ruthenium Catalyst in Solution and on Nanocrystalline TiO <sub>2</sub> . ChemSusChem, 2019, 12, 2402-2408.	6.8	37
30	Crossing the bridge from molecular catalysis to a heterogenous electrode in electrocatalytic water oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11153-11158.	7.1	17
31	Molecular Photoelectrode for Water Oxidation Inspired by Photosystem II. Journal of the American Chemical Society, 2019, 141, 7926-7933.	13.7	55
32	Binary molecular-semiconductor p–n junctions for photoelectrocatalytic CO2 reduction. Nature Energy, 2019, 4, 290-299.	39.5	149
33	A donor-chromophore-catalyst assembly for solar CO <sub>2</sub> reduction. Chemical Science, 2019, 10, 4436-4444.	7.4	23
34	Stabilization of Ruthenium(II) Polypyridyl Chromophores on Mesoporous TiO <sub>2</sub> Electrodes: Surface Reductive Electropolymerization and Silane Chemistry. ACS Central Science, 2019, 5, 506-514.	11.3	15
35	Light-driven water oxidation by a dye-sensitized photoanode with a chromophore/catalyst assembly on a mesoporous double-shell electrode. Journal of Chemical Physics, 2019, 150, 041727.	3.0	5
36	Homogeneous catalysis for the nitrogen fuel cycle. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2794-2795.	7.1	10

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37	Steering CO <sub>2</sub> electroreduction toward ethanol production by a surface-bound Ru polypyridyl carbene catalyst on N-doped porous carbon. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26353-26358.	7.1	55
38	Stable Molecular Surface Modification of Nanostructured, Mesoporous Metal Oxide Photoanodes by Silane and Click Chemistry. ACS Applied Materials & Interfaces, 2019, 11, 4560-4567.	8.0	18
39	Simultaneous Electrosynthesis of Syngas and an Aldehyde from CO <sub>2</sub> and an Alcohol by Molecular Electrocatalysis. ACS Applied Energy Materials, 2019, 2, 97-101.	5.1	41
40	Charge Transfer from Upconverting Nanocrystals to Semiconducting Electrodes: Optimizing Thermodynamic Outputs by Electronic Energy Transfer. Journal of the American Chemical Society, 2019, 141, 463-471.	13.7	19
41	Lightâ€Driven Water Splitting Mediated by Photogenerated Bromine. Angewandte Chemie, 2018, 130, 3507-3511.	2.0	11
42	Lightâ€Driven Water Splitting Mediated by Photogenerated Bromine. Angewandte Chemie - International Edition, 2018, 57, 3449-3453.	13.8	31
43	CO <sub>2</sub> reduction to acetate in mixtures of ultrasmall (Cu) <sub> <i>n</i> </sub> ,(Ag) <sub> <i>m</i> </sub> bimetallic nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 278-283.	7.1	87
44	A High-Valent Metal-Oxo Species Produced by Photoinduced One-Electron, Two-Proton Transfer Reactivity. Inorganic Chemistry, 2018, 57, 486-494.	4.0	28
45	Synthesis and Photophysical Properties of a Covalently Linked Porphyrin Chromophore–Ru(II) Water Oxidation Catalyst Assembly on SnO <sub>2</sub> Electrodes. Journal of Physical Chemistry C, 2018, 122, 13455-13461.	3.1	11
46	Direct photoactivation of a nickel-based, water-reduction photocathode by a highly conjugated supramolecular chromophore. Energy and Environmental Science, 2018, 11, 447-455.	30.8	23
47	Photocathode Chromophore–Catalyst Assembly via Layer-By-Layer Deposition of a Low Band-Gap Isoindigo Conjugated Polyelectrolyte. ACS Applied Energy Materials, 2018, 1, 62-67.	5.1	12
48	Controlling Vertical and Lateral Electron Migration Using a Bifunctional Chromophore Assembly in Dye-Sensitized Photoelectrosynthesis Cells. Journal of the American Chemical Society, 2018, 140, 6493-6500.	13.7	48
49	Light-Driven Water Splitting in the Dye-Sensitized Photoelectrosynthesis Cell. Green Chemistry and Sustainable Technology, 2018, , 229-257.	0.7	6
50	Interfacial Deposition of Ru(II) Bipyridine-Dicarboxylate Complexes by Ligand Substitution for Applications in Water Oxidation Catalysis. Journal of the American Chemical Society, 2018, 140, 719-726.	13.7	72
51	Proton-Coupled Electron Transfer in the Oxidation of Guanosine Monophosphate by Ru(bpy) <sub>3</sub> <sup>3+</sup> . Journal of Physical Chemistry C, 2018, 122, 24830-24837.	3.1	1
52	A Molecular Silane-Derivatized Ru(II) Catalyst for Photoelectrochemical Water Oxidation. Journal of the American Chemical Society, 2018, 140, 15062-15069.	13.7	29
53	Catalytic Interconversion of the Quinone/Hydroquinone Couple by a Surface-Bound Os(III/II) Polypyridyl Couple. Journal of Physical Chemistry C, 2018, 122, 16189-16194.	3.1	0
54	Visible-Light-Driven Photocatalytic Water Oxidation by a π-Conjugated Donor–Acceptor–Donor Chromophore/Catalyst Assembly. ACS Energy Letters, 2018, 3, 2114-2119.	17.4	30

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55	Stabilized photoanodes for water oxidation by integration of organic dyes, water oxidation catalysts, and electron-transfer mediators. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8523-8528.	7.1	37
56	Completing a Charge Transport Chain for Artificial Photosynthesis. Journal of the American Chemical Society, 2018, 140, 9823-9826.	13.7	20
57	Pathways Following Electron Injection: Medium Effects and Cross-Surface Electron Transfer in a Ruthenium-Based, Chromophore–Catalyst Assembly on TiO <sub>2</sub> . Journal of Physical Chemistry C, 2018, 122, 13017-13026.	3.1	10
58	Fundamental Factors Impacting the Stability of Phosphonate-Derivatized Ruthenium Polypyridyl Sensitizers Adsorbed on Metal Oxide Surfaces. ACS Applied Materials & Interfaces, 2018, 10, 22821-22833.	8.0	17
59	The role of layer-by-layer, compact TiO <sub>2</sub> films in dye-sensitized photoelectrosynthesis cells. Sustainable Energy and Fuels, 2017, 1, 112-118.	4.9	11
60	Generation of Long-Lived Redox Equivalents in Self-Assembled Bilayer Structures on Metal Oxide Electrodes. Journal of Physical Chemistry C, 2017, 121, 5882-5890.	3.1	24
61	Inner Layer Control of Performance in a Dye-Sensitized Photoelectrosynthesis Cell. ACS Applied Materials & Interfaces, 2017, 9, 33533-33538.	8.0	16
62	All-in-One Derivatized Tandem p <sup>+</sup> n-Silicon–SnO <sub>2</sub> /TiO <sub>2</sub> Water Splitting Photoelectrochemical Cell. Nano Letters, 2017, 17, 2440-2446.	9.1	53
63	Interfacial Dynamics within an Organic Chromophore-Based Water Oxidation Molecular Assembly. ACS Applied Materials & Interfaces, 2017, 9, 16651-16659.	8.0	5
64	Fluoropolymer‣tabilized Chromophore–Catalyst Assemblies in Aqueous Buffer Solutions for Waterâ€Oxidation Catalysis. ChemSusChem, 2017, 10, 2380-2384.	6.8	14
65	Single-Site, Heterogeneous Electrocatalytic Reduction of CO <sub>2</sub> in Water as the Solvent. ACS Energy Letters, 2017, 2, 1395-1399.	17.4	57
66	Polymer Chromophore-Catalyst Assembly for Solar Fuel Generation. ACS Applied Materials & Interfaces, 2017, 9, 19529-19534.	8.0	31
67	[Ru(bpy)3]2+â^— revisited. Is it localized or delocalized? How does it decay?. Coordination Chemistry Reviews, 2017, 345, 86-107.	18.8	67
68	Light-Driven Water Splitting by a Covalently Linked Ruthenium-Based Chromophore–Catalyst Assembly. ACS Energy Letters, 2017, 2, 124-128.	17.4	75
69	Dye-Sensitized Hydrobromic Acid Splitting for Hydrogen Solar Fuel Production. Journal of the American Chemical Society, 2017, 139, 15612-15615.	13.7	67
70	Water Photo-oxidation Initiated by Surface-Bound Organic Chromophores. Journal of the American Chemical Society, 2017, 139, 16248-16255.	13.7	52
71	Chromophore-Catalyst Assembly for Water Oxidation Prepared by Atomic Layer Deposition. ACS Applied Materials & amp; Interfaces, 2017, 9, 39018-39026.	8.0	32
72	Plasmon-enhanced light-driven water oxidation by a dye-sensitized photoanode. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9809-9813.	7.1	23

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73	Modulating Hole Transport in Multilayered Photocathodes with Derivatized p-Type Nickel Oxide and Molecular Assemblies for Solar-Driven Water Splitting. Journal of Physical Chemistry Letters, 2017, 8, 4374-4379.	4.6	47
74	Mechanisms of molecular water oxidation in solution and on oxide surfaces. Chemical Society Reviews, 2017, 46, 6148-6169.	38.1	160
75	Enabling Efficient Creation of Long-Lived Charge-Separation on Dye-Sensitized NiO Photocathodes. ACS Applied Materials & Interfaces, 2017, 9, 26786-26796.	8.0	45
76	Layer-by-Layer Molecular Assemblies for Dye-Sensitized Photoelectrosynthesis Cells Prepared by Atomic Layer Deposition. Journal of the American Chemical Society, 2017, 139, 14518-14525.	13.7	55
77	Oxidation of alkyl benzenes by a flavin photooxidation catalyst on nanostructured metal-oxide films. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9279-9283.	7.1	36
78	Heterostructured Arrays of Ni <sub><i>x</i></sub> P/S/Se Nanosheets on Co <sub><i>x</i></sub> P/S/Se Nanowires for Efficient Hydrogen Evolution. ACS Applied Materials & Interfaces, 2017, 9, 41347-41353.	8.0	53
79	Ultrafast Recombination Dynamics in Dye-Sensitized SnO <sub>2</sub> /TiO <sub>2</sub> Core/Shell Films. Journal of Physical Chemistry Letters, 2016, 7, 5297-5301.	4.6	41
80	A Dye-Sensitized Photoelectrochemical Tandem Cell for Light Driven Hydrogen Production from Water. Journal of the American Chemical Society, 2016, 138, 16745-16753.	13.7	100
81	Efficient Light-Driven Oxidation of Alcohols Using an Organic Chromophore–Catalyst Assembly Anchored to TiO <sub>2</sub> . ACS Applied Materials & Interfaces, 2016, 8, 9125-9133.	8.0	34
82	Synthesis, Electrochemistry, and Excited-State Properties of Three Ru(II) Quaterpyridine Complexes. Journal of Physical Chemistry A, 2016, 120, 1845-1852.	2.5	8
83	Proton-Coupled Electron Transfer Reduction of a Quinone by an Oxide-Bound Riboflavin Derivative. Journal of Physical Chemistry C, 2016, 120, 23984-23988.	3.1	16
84	The University of North Carolina Energy Frontier Research Center: Center for Solar Fuels. ACS Energy Letters, 2016, 1, 872-874.	17.4	1
85	Direct observation of light-driven, concerted electron–proton transfer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11106-11109.	7.1	27
86	Finding the Way to Solar Fuels with Dye-Sensitized Photoelectrosynthesis Cells. Journal of the American Chemical Society, 2016, 138, 13085-13102.	13.7	317
87	Two Electrode Collector–Generator Method for the Detection of Electrochemically or Photoelectrochemically Produced O <sub>2</sub> . Analytical Chemistry, 2016, 88, 7076-7082.	6.5	67
88	Self-assembled molecular p/n junctions for applications in dye-sensitized solar energy conversion. Nature Chemistry, 2016, 8, 845-852.	13.6	84
89	Light-Driven Water Oxidation Using Polyelectrolyte Layer-by-Layer Chromophore–Catalyst Assemblies. ACS Energy Letters, 2016, 1, 339-343.	17.4	40
90	Evaluation of Chromophore and Assembly Design in Light-Driven Water Splitting with a Molecular Water Oxidation Catalyst. ACS Energy Letters, 2016, 1, 231-236.	17.4	62

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91	Phosphonate-Derivatized Porphyrins for Photoelectrochemical Applications. ACS Applied Materials & Interfaces, 2016, 8, 3853-3860.	8.0	29
92	Disentangling the Physical Processes Responsible for the Kinetic Complexity in Interfacial Electron Transfer of Excited Ru(II) Polypyridyl Dyes on TiO <sub>2</sub> . Journal of the American Chemical Society, 2016, 138, 4426-4438.	13.7	84
93	Site-Selective Passivation of Defects in NiO Solar Photocathodes by Targeted Atomic Deposition. ACS Applied Materials & Interfaces, 2016, 8, 4754-4761.	8.0	71
94	Nonaqueous electrocatalytic water oxidation by a surface-bound Ru(bda)(L) <sub>2</sub> complex. Dalton Transactions, 2016, 45, 6324-6328.	3.3	11
95	Analysis of Homogeneous Water Oxidation Catalysis with Collector–Generator Cells. Inorganic Chemistry, 2016, 55, 512-517.	4.0	16
96	Cu(II) Aliphatic Diamine Complexes for Both Heterogeneous and Homogeneous Water Oxidation Catalysis in Basic and Neutral Solutions. ACS Catalysis, 2016, 6, 77-83.	11.2	90
97	An aqueous, organic dye derivatized SnO <sub>2</sub> /TiO <sub>2</sub> core/shell photoanode. Journal of Materials Chemistry A, 2016, 4, 2969-2975.	10.3	89
98	Electrochemical Instability of Phosphonate-Derivatized, Ruthenium(III) Polypyridyl Complexes on Metal Oxide Surfaces. ACS Applied Materials & Interfaces, 2015, 7, 9554-9562.	8.0	72
99	Polymer-supported CuPd nanoalloy as a synergistic catalyst for electrocatalytic reduction of carbon dioxide to methane. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15809-15814.	7.1	140
100	High Surface Area Antimony-Doped Tin Oxide Electrodes Templated by Graft Copolymerization. Applications in Electrochemical and Photoelectrochemical Catalysis. ACS Applied Materials & Interfaces, 2015, 7, 25121-25128.	8.0	22
101	Phase Behavior and Electrochemical Characterization of Blends of Perfluoropolyether, Poly(ethylene) Tj ETQq1 1	0.784314 6.7	rgBT /Overlo
102	Copper as a Robust and Transparent Electrocatalyst for Water Oxidation. Angewandte Chemie - International Edition, 2015, 54, 2073-2078.	13.8	209
103	Ultrafast Dynamics in Multifunctional Ru(II)-Loaded Polymers for Solar Energy Conversion. Accounts of Chemical Research, 2015, 48, 818-827.	15.6	35
104	Application of Degenerately Doped Metal Oxides in the Study of Photoinduced Interfacial Electron Transfer. Journal of Physical Chemistry B, 2015, 119, 7698-7711.	2.6	36
105	Electrocatalytic Reduction of Carbon Dioxide: Let the Molecules Do the Work. Topics in Catalysis, 2015, 58, 30-45.	2.8	85
106	Electroâ€assembly of a Chromophore–Catalyst Bilayer for Water Oxidation and Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2015, 54, 4778-4781.	13.8	88
107	Light-Driven Water Splitting with a Molecular Electroassembly-Based Core/Shell Photoanode. Journal of Physical Chemistry Letters, 2015, 6, 3213-3217.	4.6	94
108	Visible Photoelectrochemical Water Splitting Based on a Ru(II) Polypyridyl Chromophore and Iridium Oxide Nanoparticle Catalyst. Journal of Physical Chemistry C, 2015, 119, 17023-17027.	3.1	35

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109	Electron Transfer Mediator Effects in the Oxidative Activation of a Ruthenium Dicarboxylate Water Oxidation Catalyst. ACS Catalysis, 2015, 5, 4404-4409.	11.2	59
110	Visible photoelectrochemical water splitting into H <sub>2</sub> and O <sub>2</sub> in a dye-sensitized photoelectrosynthesis cell. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5899-5902.	7.1	136
111	Concerted Electron–Proton Transfer (EPT) in the Oxidation of Cysteine. Journal of Physical Chemistry C, 2015, 119, 7028-7038.	3.1	30
112	Polypyridyl Ru( <scp>ii</scp> )-derivatized polypropylacrylate polymer with a terminal water oxidation catalyst. Application of reversible addition–fragmentation chain transfer polymerization. Dalton Transactions, 2015, 44, 8640-8648.	3.3	14
113	A Half-Reaction Alternative to Water Oxidation: Chloride Oxidation to Chlorine Catalyzed by Silver Ion. Journal of the American Chemical Society, 2015, 137, 3193-3196.	13.7	83
114	Base-enhanced catalytic water oxidation by a carboxylate–bipyridine Ru(II) complex. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4935-4940.	7.1	124
115	Electrochemical oxidation of <sup>243</sup> Am(III) in nitric acid by a terpyridyl-derivatized electrode. Science, 2015, 350, 652-655.	12.6	61
116	Electron Transfer Mediator Effects in Water Oxidation Catalysis by Solution and Surface-Bound Ruthenium Bpy-Dicarboxylate Complexes. Journal of Physical Chemistry C, 2015, 119, 25420-25428.	3.1	33
117	Molecular Chromophore–Catalyst Assemblies for Solar Fuel Applications. Chemical Reviews, 2015, 115, 13006-13049.	47.7	412
118	Bias-Dependent Oxidative or Reductive Quenching of a Molecular Excited-State Assembly Bound to a Transparent Conductive Oxide. Journal of Physical Chemistry C, 2015, 119, 25180-25187.	3.1	11
119	Artificial photosynthesis: Where are we now? Where can we go?. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 25, 32-45.	11.6	158
120	Ultrafast, Light-Induced Electron Transfer in a Perylene Diimide Chromophore-Donor Assembly on TiO <sub>2</sub> . Journal of Physical Chemistry Letters, 2015, 6, 4736-4742.	4.6	20
121	Varying the Electronic Structure of Surface-Bound Ruthenium(II) Polypyridyl Complexes. Inorganic Chemistry, 2015, 54, 460-469.	4.0	56
122	Polyethylenimine-Enhanced Electrocatalytic Reduction of CO <sub>2</sub> to Formate at Nitrogen-Doped Carbon Nanomaterials. Journal of the American Chemical Society, 2014, 136, 7845-7848.	13.7	591
123	Controlling Ground and Excited State Properties through Ligand Changes in Ruthenium Polypyridyl Complexes. Inorganic Chemistry, 2014, 53, 5637-5646.	4.0	53
124	Driving Force Dependent, Photoinduced Electron Transfer at Degenerately Doped, Optically Transparent Semiconductor Nanoparticle Interfaces. Journal of the American Chemical Society, 2014, 136, 15869-15872.	13.7	43
125	Photophysical Characterization of a Chromophore/Water Oxidation Catalyst Containing a Layer-by-Layer Assembly on Nanocrystalline TiO <sub>2</sub> Using Ultrafast Spectroscopy. Journal of Physical Chemistry A, 2014, 118, 10301-10308.	2.5	45
126	Chloride-assisted catalytic water oxidation. Chemical Communications, 2014, 50, 8053.	4.1	30

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127	Making syngas electrocatalytically using a polypyridyl ruthenium catalyst. Chemical Communications, 2014, 50, 335-337.	4.1	61
128	Synthesis and photophysical characterization of porphyrin and porphyrin–Ru(ii) polypyridyl chromophore–catalyst assemblies on mesoporous metal oxides. Chemical Science, 2014, 5, 3115.	7.4	56
129	Stabilizing chromophore binding on TiO <sub>2</sub> for long-term stability of dye-sensitized solar cells using multicomponent atomic layer deposition. Physical Chemistry Chemical Physics, 2014, 16, 8615-8622.	2.8	34
130	Controlled Electropolymerization of Ruthenium(II) Vinylbipyridyl Complexes in Mesoporous Nanoparticle Films of TiO <sub>2</sub> . Angewandte Chemie - International Edition, 2014, 53, 4872-4876.	13.8	29
131	Synthesis and Electrocatalytic Water Oxidation by Electrode-Bound Helical Peptide Chromophore–Catalyst Assemblies. Inorganic Chemistry, 2014, 53, 8120-8128.	4.0	35
132	Single catalyst electrocatalytic reduction of CO <sub>2</sub> in water to H <sub>2</sub> +CO syngas mixtures with water oxidation to O <sub>2</sub> . Energy and Environmental Science, 2014, 7, 4007-4012.	30.8	120
133	Photophysical Characterization of a Helical Peptide Chromophore–Water Oxidation Catalyst Assembly on a Semiconductor Surface Using Ultrafast Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 6029-6037.	3.1	30
134	Stabilization of Ruthenium(II) Polypyridyl Chromophores on Nanoparticle Metal-Oxide Electrodes in Water by Hydrophobic PMMA Overlayers. Journal of the American Chemical Society, 2014, 136, 13514-13517.	13.7	70
135	Visible Light Driven Benzyl Alcohol Dehydrogenation in a Dye-Sensitized Photoelectrosynthesis Cell. Journal of the American Chemical Society, 2014, 136, 9773-9779.	13.7	80
136	Rapid Selective Electrocatalytic Reduction of Carbon Dioxide to Formate by an Iridium Pincer Catalyst Immobilized on Carbon Nanotube Electrodes. Angewandte Chemie - International Edition, 2014, 53, 8709-8713.	13.8	221
137	Electrocatalytic Water Oxidation by a Monomeric Amidate-Ligated Fe(III)–Aqua Complex. Journal of the American Chemical Society, 2014, 136, 5531-5534.	13.7	209
138	Nanostructured Tin Catalysts for Selective Electrochemical Reduction of Carbon Dioxide to Formate. Journal of the American Chemical Society, 2014, 136, 1734-1737.	13.7	1,001
139	Multiple Pathways in the Oxidation of a NADH Analogue. Inorganic Chemistry, 2014, 53, 4100-4105.	4.0	10
140	Single‣ite Copper(II) Water Oxidation Electrocatalysis: Rate Enhancements with HPO <sub>4</sub> <sup>2â^'</sup> as a Proton Acceptor at pHâ€8. Angewandte Chemie - International Edition, 2014, 53, 12226-12230.	13.8	188
141	Atomic Layer Deposition of TiO <sub>2</sub> on Mesoporous nanoITO: Conductive Core–Shell Photoanodes for Dye-Sensitized Solar Cells. Nano Letters, 2014, 14, 3255-3261.	9.1	71
142	Photoinduced Interfacial Electron Transfer within a Mesoporous Transparent Conducting Oxide Film. Journal of the American Chemical Society, 2014, 136, 2208-2211.	13.7	47
143	One-Electron Activation of Water Oxidation Catalysis. Journal of the American Chemical Society, 2014, 136, 6854-6857.	13.7	51
144	Water Oxidation by an Electropolymerized Catalyst on Derivatized Mesoporous Metal Oxide Electrodes. Journal of the American Chemical Society, 2014, 136, 6578-6581.	13.7	108

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145	Electrocatalysis on Oxide-Stabilized, High-Surface Area Carbon Electrodes. ACS Catalysis, 2013, 3, 1850-1854.	11.2	14
146	Stabilizing Small Molecules on Metal Oxide Surfaces Using Atomic Layer Deposition. Nano Letters, 2013, 13, 4802-4809.	9.1	85
147	Soluble Reduced Graphene Oxide Sheets Grafted with Polypyridylruthenium-Derivatized Polystyrene Brushes as Light Harvesting Antenna for Photovoltaic Applications. ACS Nano, 2013, 7, 7992-8002.	14.6	36
148	Synthesis of Phosphonic Acid Derivatized Bipyridine Ligands and Their Ruthenium Complexes. Inorganic Chemistry, 2013, 52, 12492-12501.	4.0	114
149	Rapid energy transfer in non-porous metal–organic frameworks with caged Ru(bpy)32+ chromophores: oxygen trapping and luminescence quenching. Journal of Materials Chemistry A, 2013, 1, 14982.	10.3	62
150	Watching Photoactivation in a Ru(II) Chromophore–Catalyst Assembly on TiO <sub>2</sub> by Ultrafast Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 24250-24258.	3.1	41
151	Atom Transfer Radical Polymerization Preparation and Photophysical Properties of Polypyridylruthenium Derivatized Polystyrenes. Inorganic Chemistry, 2013, 52, 8511-8520.	4.0	21
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