Thomas J Meyer

List of Publications by Year in Descending Order

322 papers	32,215 citations	89 h-index	171 g-index
328 ext. papers	34,546 ext. citations	11.5 avg, IF	7.47 L-index

#	Paper	IF	Citations
322	A Semiconductor-Mediator-Catalyst Artificial Photosynthetic System for Photoelectrochemical Water Oxidation.. *Chemistry - A European Journal*, **2022**, e202102630	4.8	0
321	Design and characterization of surface molecular assemblies for the preparation of solar fuels. *Chemical Physics Reviews*, **2022**, 3, 011301	4.4	0
320	Photodriven water oxidation initiated by a surface bound chromophore-donor-catalyst assembly. *Chemical Science*, **2021**, 12, 14441-14450	9.4	2
319	Henry Taube. 30 November 1915–16 November 2005. *Biographical Memoirs of Fellows of the Royal Society*, **2021**, 70, 409-418	0.1	
318	Nanotechnology for catalysis and solar energy conversion. *Nanotechnology*, **2021**, 32, 042003	3.4	24
317	Dye-Sensitized Nonstoichiometric Strontium Titanate Core-Shell Photocathodes for Photoelectrosynthesis Applications. *ACS Applied Materials & Interfaces*, **2021**, 13, 15261-15269	9.5	1
316	Application of Atomic Layer Deposition in Dye-Sensitized Photoelectrosynthesis Cells. *Trends in Chemistry*, **2021**, 3, 59-71	14.8	3
315	Influence of Surface and Structural Variations in Donor-Acceptor-Donor Sensitizers on Photoelectrocatalytic Water Splitting. *ACS Applied Materials & Interfaces*, **2021**, 13, 47499-47510	9.5	0
314	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	11.5	17
313	Chemical approaches to artificial photosynthesis: A molecular, dye-sensitized photoanode for O production prepared by layer-by-layer self-assembly. *Journal of Chemical Physics*, **2020**, 152, 244706	3.9	5
312	Ultrafast Relaxations in Ruthenium Polypyridyl Chromophores Determined by Stochastic Kinetics Simulations. *Journal of Physical Chemistry B*, **2020**, 124, 5971-5985	3.4	9
311	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	11.5	6
310	Electron-Withdrawing Boron Dipyrromethene Dyes As Visible Light Absorber/Sensitizers on Semiconductor Oxide Surfaces. *ACS Applied Materials & Interfaces*, **2020**, 12, 7768-7776	9.5	14
309	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	11.5	21
308	CO Reduction: From Homogeneous to Heterogeneous Electrocatalysis. *Accounts of Chemical Research*, **2020**, 53, 255-264	24.3	168
307	CoP Nanoframes as Bifunctional Electrocatalysts for Efficient Overall Water Splitting. *ACS Catalysis*, **2020**, 10, 412-419	13.1	188
306	A Novel Bactericidal Drug Effective Against Gram-Positive and Gram-Negative Pathogenic Bacteria: Easy as AB569. *DNA and Cell Biology*, **2020**, 39, 1473-1477	3.6	1

305	Stabilization of a molecular water oxidation catalyst on a dye-sensitized photoanode by a□pyridyl anchor. *Nature Communications*, **2020**, 11, 4610	17.4	12
304	Hybrid Photoelectrochemical Water Splitting Systems: From Interface Design to System Assembly. *Advanced Energy Materials*, **2020**, 10, 1900399	21.8	78
303	Stable Molecular Photocathode for Solar-Driven CO2 Reduction in Aqueous Solutions. *ACS Energy Letters*, **2019**, 4, 629-636	20.1	33
302	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	16.4	24
301	A strategy for stabilizing the catalyst CoO in a metal-organic framework. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13719-13720	11.5	1
300	Electrocatalytic CO Reduction with a Ruthenium Catalyst in Solution and on Nanocrystalline TiO. *ChemSusChem*, **2019**, 12, 2402-2408	8.3	28
299	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	11.5	14
298	Molecular Photoelectrode for Water Oxidation Inspired by Photosystem II. *Journal of the American Chemical Society*, **2019**, 141, 7926-7933	16.4	30
297	Binary molecular-semiconductor p□ junctions for photoelectrocatalytic CO2 reduction. *Nature Energy*, **2019**, 4, 290-299	62.3	87
296	A donor-chromophore-catalyst assembly for solar CO reduction. *Chemical Science*, **2019**, 10, 4436-4444	9.4	16
295	Stabilization of Ruthenium(II) Polypyridyl Chromophores on Mesoporous TiO Electrodes: Surface Reductive Electropolymerization and Silane Chemistry. *ACS Central Science*, **2019**, 5, 506-514	16.8	11
294	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	3.9	5
293	Homogeneous catalysis for the nitrogen fuel cycle. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2794-2795	11.5	5
292	Excitation energy-dependent photocurrent switching in a single-molecule photodiode. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16198-16203	11.5	7
291	Self-Assembled Chromophore□Catalyst Bilayer for Water Oxidation in a Dye-Sensitized Photoelectrosynthesis Cell. *Journal of Physical Chemistry C*, **2019**, 123, 30039-30045	3.8	17
290	Steering CO 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**,	11.5	33
289	Stable Molecular Surface Modification of Nanostructured, Mesoporous Metal Oxide Photoanodes by Silane and Click Chemistry. *ACS Applied Materials & Interfaces*, **2019**, 11, 4560-4567	9.5	13
288	Simultaneous Electrosynthesis of Syngas and an Aldehyde from CO2 and an Alcohol by Molecular Electrocatalysis. *ACS Applied Energy Materials*, **2019**, 2, 97-101	6.1	18

287	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	16.4	19
286	Light-Driven Water Splitting Mediated by Photogenerated Bromine. *Angewandte Chemie*, **2018**, 130, 3507-3511	3.6	9
285	Light-Driven Water Splitting Mediated by Photogenerated Bromine. *Angewandte Chemie - International Edition*, **2018**, 57, 3449-3453	16.4	26
284	CO reduction to acetate in mixtures of ultrasmall (Cu) ,(Ag) bimetallic nanoparticles. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 278-283	11.5	69
283	A High-Valent Metal-Oxo Species Produced by Photoinduced One-Electron, Two-Proton Transfer Reactivity. *Inorganic Chemistry*, **2018**, 57, 486-494	5.1	22
282	Synthesis and Photophysical Properties of a Covalently Linked Porphyrin Chromophore□Ru(II) Water Oxidation Catalyst Assembly on SnO2 Electrodes. *Journal of Physical Chemistry C*, **2018**, 122, 13455-13461	3.8	11
281	Direct photoactivation of a nickel-based, water-reduction photocathode by a highly conjugated supramolecular chromophore. *Energy and Environmental Science*, **2018**, 11, 447-455	35.4	22
280	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	6.1	8
279	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	16.4	34
278	Light-Driven Water Splitting in the Dye-Sensitized Photoelectrosynthesis Cell. *Green Chemistry and Sustainable Technology*, **2018**, 229-257	1.1	6
277	Visible-Light-Driven Photocatalytic Water Oxidation by a □Conjugated Donor□Acceptor□Donor Chromophore/Catalyst Assembly. *ACS Energy Letters*, **2018**, 3, 2114-2119	20.1	21
276	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	11.5	32
275	Completing a Charge Transport Chain for Artificial Photosynthesis. *Journal of the American Chemical Society*, **2018**, 140, 9823-9826	16.4	14
274	Pathways Following Electron Injection: Medium Effects and Cross-Surface Electron Transfer in a Ruthenium-Based, Chromophore□Catalyst Assembly on TiO2. *Journal of Physical Chemistry C*, **2018**, 122, 13017-13026	3.8	9
273	Fundamental Factors Impacting the Stability of Phosphonate-Derivatized Ruthenium Polypyridyl Sensitizers Adsorbed on Metal Oxide Surfaces. *ACS Applied Materials & Interfaces*, **2018**, 10, 22821-22833	9.5	12
272	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	16.4	62
271	Proton-Coupled Electron Transfer in the Oxidation of Guanosine Monophosphate by Ru(bpy)33+. *Journal of Physical Chemistry C*, **2018**, 122, 24830-24837	3.8	1
270	A Molecular Silane-Derivatized Ru(II) Catalyst for Photoelectrochemical Water Oxidation. *Journal of the American Chemical Society*, **2018**, 140, 15062-15069	16.4	25

269	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	3.8	
268	The role of layer-by-layer, compact TiO2 films in dye-sensitized photoelectrosynthesis cells. *Sustainable Energy and Fuels*, **2017**, 1, 112-118	5.8	10
267	Generation of Long-Lived Redox Equivalents in Self-Assembled Bilayer Structures on Metal Oxide Electrodes. *Journal of Physical Chemistry C*, **2017**, 121, 5882-5890	3.8	19
266	Inner Layer Control of Performance in a Dye-Sensitized Photoelectrosynthesis Cell. *ACS Applied Materials & Interfaces*, **2017**, 9, 33533-33538	9.5	13
265	All-in-One Derivatized Tandem pn-Silicon-SnO/TiO Water Splitting Photoelectrochemical Cell. *Nano Letters*, **2017**, 17, 2440-2446	11.5	44
264	Interfacial Dynamics within an Organic Chromophore-Based Water Oxidation Molecular Assembly. *ACS Applied Materials & Interfaces*, **2017**, 9, 16651-16659	9.5	4
263	Fluoropolymer-Stabilized Chromophore-Catalyst Assemblies in Aqueous Buffer Solutions for Water-Oxidation Catalysis. *ChemSusChem*, **2017**, 10, 2380-2384	8.3	14
262	Single-Site, Heterogeneous Electrocatalytic Reduction of CO2 in Water as the Solvent. *ACS Energy Letters*, **2017**, 2, 1395-1399	20.1	39
261	Polymer Chromophore-Catalyst Assembly for Solar Fuel Generation. *ACS Applied Materials & Interfaces*, **2017**, 9, 19529-19534	9.5	22
260	[Ru(bpy)3]2+* revisited. Is it localized or delocalized? How does it decay?. *Coordination Chemistry Reviews*, **2017**, 345, 86-107	23.2	46
259	Light-Driven Water Splitting by a Covalently Linked Ruthenium-Based Chromophore□Catalyst Assembly. *ACS Energy Letters*, **2017**, 2, 124-128	20.1	60
258	Dye-Sensitized Hydrobromic Acid Splitting for Hydrogen Solar Fuel Production. *Journal of the American Chemical Society*, **2017**, 139, 15612-15615	16.4	53
257	Water Photo-oxidation Initiated by Surface-Bound Organic Chromophores. *Journal of the American Chemical Society*, **2017**, 139, 16248-16255	16.4	38
256	Chromophore-Catalyst Assembly for Water Oxidation Prepared by Atomic Layer Deposition. *ACS Applied Materials & Interfaces*, **2017**, 9, 39018-39026	9.5	27
255	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	11.5	20
254	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	6.4	39
253	Mechanisms of molecular water oxidation in solution and on oxide surfaces. *Chemical Society Reviews*, **2017**, 46, 6148-6169	58.5	131
252	Enabling Efficient Creation of Long-Lived Charge-Separation on Dye-Sensitized NiO Photocathodes. *ACS Applied Materials & Interfaces*, **2017**, 9, 26786-26796	9.5	32

251	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	16.4	44
250	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	11.5	25
249	Heterostructured Arrays of NiP/S/Se Nanosheets on CoP/S/Se Nanowires for Efficient Hydrogen Evolution. *ACS Applied Materials & Interfaces*, **2017**, 9, 41347-41353	9.5	41
248	Finding the Way to Solar Fuels with Dye-Sensitized Photoelectrosynthesis Cells. *Journal of the American Chemical Society*, **2016**, 138, 13085-13102	16.4	267
247	Two Electrode Collector-Generator Method for the Detection of Electrochemically or Photoelectrochemically Produced O2. *Analytical Chemistry*, **2016**, 88, 7076-82	7.8	47
246	Self-assembled molecular p/n junctions for applications in dye-sensitized solar energy conversion. *Nature Chemistry*, **2016**, 8, 845-52	17.6	69
245	Light-Driven Water Oxidation Using Polyelectrolyte Layer-by-Layer Chromophore□Catalyst Assemblies. *ACS Energy Letters*, **2016**, 1, 339-343	20.1	28
244	Evaluation of Chromophore and Assembly Design in Light-Driven Water Splitting with a Molecular Water Oxidation Catalyst. *ACS Energy Letters*, **2016**, 1, 231-236	20.1	53
243	Phosphonate-Derivatized Porphyrins for Photoelectrochemical Applications. *ACS Applied Materials & Interfaces*, **2016**, 8, 3853-60	9.5	24
242	Disentangling the Physical Processes Responsible for the Kinetic Complexity in Interfacial Electron Transfer of Excited Ru(II) Polypyridyl Dyes on TiO2. *Journal of the American Chemical Society*, **2016**, 138, 4426-38	16.4	66
241	Site-Selective Passivation of Defects in NiO Solar Photocathodes by Targeted Atomic Deposition. *ACS Applied Materials & Interfaces*, **2016**, 8, 4754-61	9.5	60
240	Nonaqueous electrocatalytic water oxidation by a surface-bound Ru(bda)(L)□complex. *Dalton Transactions*, **2016**, 45, 6324-8	4.3	11
239	Analysis of Homogeneous Water Oxidation Catalysis with Collector-Generator Cells. *Inorganic Chemistry*, **2016**, 55, 512-7	5.1	12
238	Cu(II) Aliphatic Diamine Complexes for Both Heterogeneous and Homogeneous Water Oxidation Catalysis in Basic and Neutral Solutions. *ACS Catalysis*, **2016**, 6, 77-83	13.1	80
237	An aqueous, organic dye derivatized SnO2/TiO2 core/shell photoanode. *Journal of Materials Chemistry A*, **2016**, 4, 2969-2975	13	71
236	Ultrafast Recombination Dynamics in Dye-Sensitized SnO/TiO Core/Shell Films. *Journal of Physical Chemistry Letters*, **2016**, 7, 5297-5301	6.4	35
235	A Dye-Sensitized Photoelectrochemical Tandem Cell for Light Driven Hydrogen Production from Water. *Journal of the American Chemical Society*, **2016**, 138, 16745-16753	16.4	83
234	Efficient Light-Driven Oxidation of Alcohols Using an Organic Chromophore-Catalyst Assembly Anchored to TiO2. *ACS Applied Materials & Interfaces*, **2016**, 8, 9125-33	9.5	28

233	Synthesis, Electrochemistry, and Excited-State Properties of Three Ru(II) Quaterpyridine Complexes. *Journal of Physical Chemistry A*, **2016**, 120, 1845-52	2.8	6
232	Proton-Coupled Electron Transfer Reduction of a Quinone by an Oxide-Bound Riboflavin Derivative. *Journal of Physical Chemistry C*, **2016**, 120, 23984-23988	3.8	14
231	The University of North Carolina Energy Frontier Research Center: Center for Solar Fuels. *ACS Energy Letters*, **2016**, 1, 872-874	20.1	1
230	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	11.5	22
229	Electro-assembly of a chromophore-catalyst bilayer for water oxidation and photocatalytic water splitting. *Angewandte Chemie - International Edition*, **2015**, 54, 4778-81	16.4	76
228	Electro-assembly of a Chromophore□Catalyst Bilayer for Water Oxidation and Photocatalytic Water Splitting. *Angewandte Chemie*, **2015**, 127, 4860-4863	3.6	25
227	Light-Driven Water Splitting with a Molecular Electroassembly-Based Core/Shell Photoanode. *Journal of Physical Chemistry Letters*, **2015**, 6, 3213-3217	6.4	78
226	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	3.8	29
225	Electron Transfer Mediator Effects in the Oxidative Activation of a Ruthenium Dicarboxylate Water Oxidation Catalyst. *ACS Catalysis*, **2015**, 5, 4404-4409	13.1	55
224	Visible photoelectrochemical water splitting into H2 and O2 in a dye-sensitized photoelectrosynthesis cell. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 5899-902	11.5	123
223	Concerted Electron□Proton Transfer (EPT) in the Oxidation of Cysteine. *Journal of Physical Chemistry C*, **2015**, 119, 7028-7038	3.8	27
222	Polypyridyl Ru(II)-derivatized polypropylacrylate polymer with a terminal water oxidation catalyst. Application of reversible addition-fragmentation chain transfer polymerization. *Dalton Transactions* , **2015**, 44, 8640-8	4.3	13
221	A half-reaction alternative to water oxidation: chloride oxidation to chlorine catalyzed by silver ion. *Journal of the American Chemical Society*, **2015**, 137, 3193-6	16.4	61
220	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, 4935-40	11.5	108
219	Electrochemical oxidation of □Am(III) in nitric acid by a terpyridyl-derivatized electrode. *Science*, **2015**, 350, 652-5	33.3	45
218	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	3.8	29
217	Molecular Chromophore-Catalyst Assemblies for Solar Fuel Applications. *Chemical Reviews*, **2015**, 115, 13006-49	68.1	352
216	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	3.8	7

215	Artificial photosynthesis: Where are we now? Where can we go?. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2015**, 25, 32-45	16.4	134
214	Ultrafast, Light-Induced Electron Transfer in a Perylene Diimide Chromophore-Donor Assembly on TiO2. *Journal of Physical Chemistry Letters*, **2015**, 6, 4736-42	6.4	18
213	Varying the electronic structure of surface-bound ruthenium(II) polypyridyl complexes. *Inorganic Chemistry*, **2015**, 54, 460-9	5.1	41
212	Copper as a Robust and Transparent Electrocatalyst for Water Oxidation. *Angewandte Chemie*, **2015**, 127, 2101-2106	3.6	36
211	Electrochemical Instability of Phosphonate-Derivatized, Ruthenium(III) Polypyridyl Complexes on Metal Oxide Surfaces. *ACS Applied Materials & Interfaces*, **2015**, 7, 9554-62	9.5	66
210	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, 15809-14	11.5	108
209	High Surface Area Antimony-Doped Tin Oxide Electrodes Templated by Graft Copolymerization. Applications in Electrochemical and Photoelectrochemical Catalysis. *ACS Applied Materials & Interfaces*, **2015**, 7, 25121-8	9.5	19
208	Phase Behavior and Electrochemical Characterization of Blends of Perfluoropolyether, Poly(ethylene glycol), and a Lithium Salt. *Chemistry of Materials*, **2015**, 27, 597-603	9.6	45
207	Copper as a robust and transparent electrocatalyst for water oxidation. *Angewandte Chemie - International Edition*, **2015**, 54, 2073-8	16.4	176
206	Ultrafast dynamics in multifunctional Ru(II)-loaded polymers for solar energy conversion. *Accounts of Chemical Research*, **2015**, 48, 818-27	24.3	31
205	Application of Degenerately Doped Metal Oxides in the Study of Photoinduced Interfacial Electron Transfer. *Journal of Physical Chemistry B*, **2015**, 119, 7698-711	3.4	28
204	Electrocatalytic Reduction of Carbon Dioxide: Let the Molecules Do the Work. *Topics in Catalysis*, **2015**, 58, 30-45	2.3	75
203	Polyethylenimine-enhanced electrocatalytic reduction of CO□to formate at nitrogen-doped carbon nanomaterials. *Journal of the American Chemical Society*, **2014**, 136, 7845-8	16.4	500
202	Controlling ground and excited state properties through ligand changes in ruthenium polypyridyl complexes. *Inorganic Chemistry*, **2014**, 53, 5637-46	5.1	41
201	Driving force dependent, photoinduced electron transfer at degenerately doped, optically transparent semiconductor nanoparticle interfaces. *Journal of the American Chemical Society*, **2014**, 136, 15869-72	16.4	37
200	Photophysical characterization of a chromophore/water oxidation catalyst containing a layer-by-layer assembly on nanocrystalline TiO2 using ultrafast spectroscopy. *Journal of Physical Chemistry A*, **2014**, 118, 10301-8	2.8	42
199	Chloride-assisted catalytic water oxidation. *Chemical Communications*, **2014**, 50, 8053-6	5.8	24
198	Making syngas electrocatalytically using a polypyridyl ruthenium catalyst. *Chemical Communications* , **2014**, 50, 335-7	5.8	52

197	Synthesis and photophysical characterization of porphyrin and porphyrin–Ru(II) polypyridyl chromophore–catalyst assemblies on mesoporous metal oxides. *Chemical Science*, **2014**, 5, 3115	9.4	48
196	Stabilizing chromophore binding on TiO2 for long-term stability of dye-sensitized solar cells using multicomponent atomic layer deposition. *Physical Chemistry Chemical Physics*, **2014**, 16, 8615-22	3.6	34
195	Controlled electropolymerization of ruthenium(II) vinylbipyridyl complexes in mesoporous nanoparticle films of TiO(2). *Angewandte Chemie - International Edition*, **2014**, 53, 4872-6	16.4	25
194	Synthesis and electrocatalytic water oxidation by electrode-bound helical peptide chromophore-catalyst assemblies. *Inorganic Chemistry*, **2014**, 53, 8120-8	5.1	31
193	Single catalyst electrocatalytic reduction of CO2 in water to H2+CO syngas mixtures with water oxidation to O2. *Energy and Environmental Science*, **2014**, 7, 4007-4012	35.4	104
192	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	3.8	29
191	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, 13514-7	16.4	58
190	Visible light driven benzyl alcohol dehydrogenation in a dye-sensitized photoelectrosynthesis cell. *Journal of the American Chemical Society*, **2014**, 136, 9773-9	16.4	67
189	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, 8709-13	16.4	192
188	Electrocatalytic water oxidation by a monomeric amidate-ligated Fe(III)-aqua complex. *Journal of the American Chemical Society*, **2014**, 136, 5531-4	16.4	179
187	Nanostructured tin catalysts for selective electrochemical reduction of carbon dioxide to formate. *Journal of the American Chemical Society*, **2014**, 136, 1734-7	16.4	821
186	Multiple pathways in the oxidation of a NADH analogue. *Inorganic Chemistry*, **2014**, 53, 4100-5	5.1	9
185	Single-site copper(II) water oxidation electrocatalysis: rate enhancements with HPO_4^{2-} as a proton acceptor at pH 8. *Angewandte Chemie - International Edition*, **2014**, 53, 12226-30	16.4	158
184	Atomic layer deposition of TiO2 on mesoporous nanoITO: conductive core-shell photoanodes for dye-sensitized solar cells. *Nano Letters*, **2014**, 14, 3255-61	11.5	69
183	Photoinduced interfacial electron transfer within a mesoporous transparent conducting oxide film. *Journal of the American Chemical Society*, **2014**, 136, 2208-11	16.4	43
182	One-electron activation of water oxidation catalysis. *Journal of the American Chemical Society*, **2014** , 136, 6854-7	16.4	48
181	Water oxidation by an electropolymerized catalyst on derivatized mesoporous metal oxide electrodes. *Journal of the American Chemical Society*, **2014**, 136, 6578-81	16.4	96
180	Controlled Electropolymerization of Ruthenium(II) Vinylbipyridyl Complexes in Mesoporous Nanoparticle Films of TiO2. *Angewandte Chemie*, **2014**, 126, 4972-4976	3.6	7

179	Single-Site Copper(II) Water Oxidation Electrocatalysis: Rate Enhancements with HPO_4^{2-} as a Proton Acceptor at pH 8. *Angewandte Chemie*, **2014**, 126, 12422-12426	3.6	42
178	Rapid Selective Electrocatalytic Reduction of Carbon Dioxide to Formate by an Iridium Pincer Catalyst Immobilized on Carbon Nanotube Electrodes. *Angewandte Chemie*, **2014**, 126, 8853-8857	3.6	59
177	Electrocatalysis on Oxide-Stabilized, High-Surface Area Carbon Electrodes. *ACS Catalysis*, **2013**, 3, 1850-1854	10.5	13
176	Stabilizing small molecules on metal oxide surfaces using atomic layer deposition. *Nano Letters*, **2013**, 13, 4802-9	11.5	80
175	Soluble reduced graphene oxide sheets grafted with polypyridylruthenium-derivatized polystyrene brushes as light harvesting antenna for photovoltaic applications. *ACS Nano*, **2013**, 7, 7992-8002	16.7	35
174	Synthesis of phosphonic acid derivatized bipyridine ligands and their ruthenium complexes. *Inorganic Chemistry*, **2013**, 52, 12492-501	5.1	87
173	Rapid energy transfer in non-porous metal–organic frameworks with caged $Ru(bpy)_3^{2+}$ chromophores: oxygen trapping and luminescence quenching. *Journal of Materials Chemistry A*, **2013**, 1, 14982	13	57
172	Watching Photoactivation in a Ru(II) Chromophore–Catalyst Assembly on TiO_2 by Ultrafast Spectroscopy. *Journal of Physical Chemistry C*, **2013**, 117, 24250-24258	3.8	36
171	Atom transfer radical polymerization preparation and photophysical properties of polypyridylruthenium derivatized polystyrenes. *Inorganic Chemistry*, **2013**, 52, 8511-20	5.1	17
170	Stabilization of a ruthenium(II) polypyridyl dye on nanocrystalline TiO_2 by an electropolymerized overlayer. *Journal of the American Chemical Society*, **2013**, 135, 15450-8	16.4	75
169	Solar water splitting in a molecular photoelectrochemical cell. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 20008-13	11.5	184
168	Spectroscopy and Dynamics of Phosphonate-Derivatized Ruthenium Complexes on TiO_2. *Journal of Physical Chemistry C*, **2013**, 117, 812-824	3.8	38
167	Copper(II) catalysis of water oxidation. *Angewandte Chemie - International Edition*, **2013**, 52, 700-3	16.4	243
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6	Measurement of rates of electron transfer between tris(2,2Cbipyridine)ruthenium(3+) and tris(1,10-phenanthroline)iron(2+) ions and between tris(1,10-phenanthroline)ruthenium(3+) and tris(2,2Cbipyridine)ruthenium(2+) ions by differential excitation flash photolysis. *Journal of the American Chemical Society*, **1977**, 99, 2468-2473	16.4	87
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