Thomas J Meyer

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

#	Paper	IF	Citations
322	Contemporary Issues in Electron Transfer Research. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 13148	3-13168	8 1336
321	Proton-coupled electron transfer. <i>Chemical Reviews</i> , 2007 , 107, 5004-64	68.1	1255
320	Chemical approaches to artificial photosynthesis. <i>Accounts of Chemical Research</i> , 1989 , 22, 163-170	24.3	1162
319	Proton-coupled electron transfer. <i>Chemical Reviews</i> , 2012 , 112, 4016-93	68.1	1080
318	The localized-to-delocalized transition in mixed-valence chemistry. <i>Chemical Reviews</i> , 2001 , 101, 2655-8	B 6 68.1	862
317	Chemical approaches to artificial photosynthesis. 2. <i>Inorganic Chemistry</i> , 2005 , 44, 6802-27	5.1	833
316	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
315	Catalytic oxidation of water by an oxo-bridged ruthenium dimer. <i>Journal of the American Chemical Society</i> , 1982 , 104, 4029-4030	16.4	781
314	Making oxygen with ruthenium complexes. <i>Accounts of Chemical Research</i> , 2009 , 42, 1954-65	24.3	733
313	One site is enough. Catalytic water oxidation by [Ru(tpy)(bpm)(OH2)]2+ and [Ru(tpy)(bpz)(OH2)]2+. Journal of the American Chemical Society, 2008 , 130, 16462-3	16.4	586
312	Medium Effects on Charge Transfer in Metal Complexes. <i>Chemical Reviews</i> , 1998 , 98, 1439-1478	68.1	558
311	Application of the energy gap law to excited-state decay of osmium(II)-polypyridine complexes: calculation of relative nonradiative decay rates from emission spectral profiles. <i>The Journal of Physical Chemistry</i> , 1986 , 90, 3722-3734		514
310	Polyethylenimine-enhanced electrocatalytic reduction of COIto formate at nitrogen-doped carbon nanomaterials. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7845-8	16.4	500
309	The possible role of proton-coupled electron transfer (PCET) in water oxidation by photosystem II. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5284-304	16.4	461
308	Structure and redox properties of the water-oxidation catalyst [(bpy)2(OH2)RuORu(OH2)(bpy)2]4+. Journal of the American Chemical Society, 1985, 107, 3855-3864	16.4	434
307	Mechanism of water oxidation by single-site ruthenium complex catalysts. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1545-57	16.4	424
306	Estimation of excited-state redox potentials by electron-transfer quenching. Application of electron-transfer theory to excited-state redox processes. <i>Journal of the American Chemical Society</i> , 1979 , 101, 4815-4824	16.4	392

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305	Electrocatalytic water oxidation with a copper(II) polypeptide complex. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2048-51	16.4	378
304	Mechanisms of water oxidation from the blue dimer to photosystem II. <i>Inorganic Chemistry</i> , 2008 , 47, 1727-52	5.1	362
303	Molecular Chromophore-Catalyst Assemblies for Solar Fuel Applications. <i>Chemical Reviews</i> , 2015 , 115, 13006-49	68.1	352
302	Chemical approaches to artificial photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15560-4	11.5	316
301	Energy transfer dynamics in metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12767-9	16.4	303
300	Concerning the absorption spectra of the ions M(bpy)32+ (M = Fe, Ru, Os; bpy = 2,2@bipyridine). <i>Inorganic Chemistry</i> , 1982 , 21, 3967-3977	5.1	285
299	Catalytic water oxidation by single-site ruthenium catalysts. <i>Inorganic Chemistry</i> , 2010 , 49, 1277-9	5.1	275
298	Finding the Way to Solar Fuels with Dye-Sensitized Photoelectrosynthesis Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13085-13102	16.4	267
297	Concerted O atom-proton transfer in the O-O bond forming step in water oxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7225-9	11.5	263
296	Selective electrocatalytic reduction of CO2 to formate by water-stable iridium dihydride pincer complexes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5500-3	16.4	260
295	Copper(II) catalysis of water oxidation. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 700-3	16.4	243
294	Designed Synthesis of Mononuclear Tris(heteroleptic) Ruthenium Complexes Containing Bidentate Polypyridyl Ligands. <i>Inorganic Chemistry</i> , 1995 , 34, 6145-6157	5.1	225
293	Single-site, catalytic water oxidation on oxide surfaces. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15580-1	16.4	221
292	Molecular-Level Electron Transfer and Excited State Assemblies on Surfaces of Metal Oxides and Glass. <i>Inorganic Chemistry</i> , 1994 , 33, 3952-3964	5.1	204
291	[Ru(bpy)3]2+* and other remarkable metal-to-ligand charge transfer (MLCT) excited states. <i>Pure and Applied Chemistry</i> , 2013 , 85, 1257-1305	2.1	198
2 90	Rapid selective electrocatalytic reduction of carbon dioxide to formate by an iridium pincer catalyst immobilized on carbon nanotube electrodes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8709	-1 5 .4	192
289	CoP Nanoframes as Bifunctional Electrocatalysts for Efficient Overall Water Splitting. <i>ACS Catalysis</i> , 2020 , 10, 412-419	13.1	188
288	Electrocatalytic reduction of CO2 to CO by polypyridyl ruthenium complexes. <i>Chemical Communications</i> , 2011 , 47, 12607-9	5.8	185

287	Solar water splitting in a molecular photoelectrochemical cell. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20008-13	11.5	184
286	Electrocatalytic water oxidation by a monomeric amidate-ligated Fe(III)-aqua complex. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5531-4	16.4	179
285	Copper as a robust and transparent electrocatalyst for water oxidation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2073-8	16.4	176
284	Electrocatalytic reduction of carbon dioxide by 2,2©bipyridine complexes of rhodium and iridium. <i>Inorganic Chemistry</i> , 1988 , 27, 4582-4587	5.1	176
283	The role of proton coupled electron transfer in water oxidation. <i>Energy and Environmental Science</i> , 2012 , 5, 7704	35.4	175
282	CO Reduction: From Homogeneous to Heterogeneous Electrocatalysis. <i>Accounts of Chemical Research</i> , 2020 , 53, 255-264	24.3	168
281	Mechanism of Water Oxidation by the EOxo Dimer [(bpy)2(H2O)RullIORullI(OH2)(bpy)2]4+. <i>Journal of the American Chemical Society</i> , 2000 , 122, 8464-8473	16.4	162
280	Single-site copper(II) water oxidation electrocatalysis: rate enhancements with HPO即 as a proton acceptor at pH 8. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12226-30	16.4	158
279	[Ru(bpy)2dppz]2+ Light-Switch Mechanism in Protic Solvents as Studied through Temperature-Dependent Lifetime Measurements Journal of Physical Chemistry A, 2004, 108, 9938-994	44 ^{2.8}	155
278	Catalytic and surface-electrocatalytic water oxidation by redox mediator-catalyst assemblies. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9473-6	16.4	146
277	Structure P roperty Relationships in Phosphonate-Derivatized, Rull Polypyridyl Dyes on Metal Oxide Surfaces in an Aqueous Environment. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 14837-14847	3.8	145
276	Chemically catalyzed net electrochemical oxidation of alcohols, aldehydes, and unsaturated hydrocarbons using the system (trpy)(bpy)Ru(OH2)2+/(trpy)(bpy)RuO2+. <i>Journal of the American Chemical Society</i> , 1980 , 102, 2310-2312	16.4	142
275	Splitting CO2 into CO and O2 by a single catalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15606-11	11.5	141
274	Photostability of phosphonate-derivatized, Ru(II) polypyridyl complexes on metal oxide surfaces. <i>ACS Applied Materials & Design Complexes</i> , 2012 , 4, 1462-9	9.5	140
273	Artificial photosynthesis: Where are we now? Where can we go?. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2015 , 25, 32-45	16.4	134
272	Integrating proton coupled electron transfer (PCET) and excited states. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 2459-2471	23.2	134
271	Nonaqueous catalytic water oxidation. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17670-3	16.4	132
270	Mechanisms of molecular water oxidation in solution and on oxide surfaces. <i>Chemical Society Reviews</i> , 2017 , 46, 6148-6169	58.5	131

269	Highly luminescent polypyridyl complexes of osmium(II). <i>Journal of the American Chemical Society</i> , 1980 , 102, 7383-7385	16.4	127
268	Visible photoelectrochemical water splitting into H2 and O2 in a dye-sensitized photoelectrosynthesis cell. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5899-902	11.5	123
267	The Golden Rule. Application for fun and profit in electron transfer, energy transfer, and excited-state decay. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13731-45	3.6	120
266	Redox properties of aqua complexes of ruthenium(II) containing the tridentate ligands 2,2%Q"-terpyridine and tris(1-pyrazolyl)methane. <i>Inorganic Chemistry</i> , 1988 , 27, 514-520	5.1	120
265	Selective electrocatalytic reduction of carbon dioxide to formate by a water-soluble iridium pincer catalyst. <i>Chemical Science</i> , 2013 , 4, 3497	9.4	119
264	Ultrafast excited-state energy migration dynamics in an efficient light-harvesting antenna polymer based on Ru(II) and Os(II) polypyridyl complexes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10336-47	16.4	119
263	Synthetic and mechanistic investigations of the reductive electrochemical polymerization of vinyl-containing complexes of iron(II), ruthenium(II), and osmium(II). <i>Inorganic Chemistry</i> , 1983 , 22, 2151	- 2 162	119
262	Making solar fuels by artificial photosynthesis. Pure and Applied Chemistry, 2011, 83, 749-768	2.1	113
261	Self-assembled bilayer films of ruthenium(II)/polypyridyl complexes through layer-by-layer deposition on nanostructured metal oxides. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12782	- 1 6.4	112
2 60	Green primary explosives: 5-nitrotetrazolato-N2-ferrate hierarchies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10322-10327	11.5	112
259	Electrocatalytic reduction of CO2 at a chemically modified electrode. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1416		109
258	Oxobis(2,2@bipyridine)pyridineruthenium(IV) ion, [(bpy)2(py)Ru:O]2+. <i>Journal of the American Chemical Society</i> , 1978 , 100, 3601-3603	16.4	109
257	Base-enhanced catalytic water oxidation by a carboxylate-bipyridine Ru(II) complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4935-40	11.5	108
256	Polymer-supported CuPd nanoalloy as a synergistic catalyst for electrocatalytic reduction of carbon dioxide to methane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15809-14	11.5	108
255	Photoinduced electron transfer in a chromophore-catalyst assembly anchored to TiO2. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19189-98	16.4	108
254	Crossing the divide between homogeneous and heterogeneous catalysis in water oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20918-22	11.5	107
253	Mediator-assisted water oxidation by the ruthenium "blue dimer" cis,cis-[(bpy)2(H2O)RuORu(OH2)(bpy)2]4+. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17632-5	11.5	107
252	Applications of metal oxide materials in dye sensitized photoelectrosynthesis cells for making solar fuels: let the molecules do the work. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4133	13	106

251	Diffusional Mediation of Surface Electron Transfer on TiO2. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 104-107	3.4	106
250	Application of high surface area tin-doped indium oxide nanoparticle films as transparent conducting electrodes. <i>Inorganic Chemistry</i> , 2010 , 49, 8179-81	5.1	105
249	Single catalyst electrocatalytic reduction of CO2 in water to H2+CO syngas mixtures with water oxidation to O2. <i>Energy and Environmental Science</i> , 2014 , 7, 4007-4012	35.4	104
248	Temperature Dependence of Nonradiative Decay. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 51-54		101
247	Redox Pathways: Applications in Catalysis. <i>Journal of the Electrochemical Society</i> , 1984 , 131, 221C-228C	3.9	101
246	Hydrogen-atom transfer between metal complex ions in solution. <i>Journal of the American Chemical Society</i> , 1987 , 109, 3287-3297	16.4	99
245	Excited-state quenching by proton-coupled electron transfer. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6968-9	16.4	98
244	Electrocatalytic reduction of CO2 by a complex of rhenium in thin polymeric films. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989 , 259, 217-239		97
243	Electrocatalytic reduction of CO2 based on polypyridyl complexes of rhodium and ruthenium. Journal of the Chemical Society Chemical Communications, 1985 , 796		97
242	Water oxidation by an electropolymerized catalyst on derivatized mesoporous metal oxide electrodes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6578-81	16.4	96
241	The role of free energy change in coupled electron-proton transfer. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15098-9	16.4	96
240	Stabilization of [Ru(bpy)2(4,4?-(PO3H2)bpy)]2+ on Mesoporous TiO2 with Atomic Layer Deposition of Al2O3. <i>Chemistry of Materials</i> , 2013 , 25, 3-5	9.6	95
239	Defining Electronic Excited States Using Time-Resolved Infrared Spectroscopy and Density Functional Theory Calculations <i>Journal of Physical Chemistry A</i> , 2004 , 108, 3527-3536	2.8	94
238	Manipulating the properties of MLCT excited states. <i>Dalton Transactions RSC</i> , 2002 , 3820		94
237	Excited-State Electron Transfer. <i>Progress in Inorganic Chemistry</i> ,389-440		94
236	Photoinduced Stepwise Oxidative Activation of a Chromophore Latalyst Assembly on TiO2. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1808-1813	6.4	91
235	Visible Region Photooxidation on TiO(2) with a Chromophore-Catalyst Molecular Assembly. <i>Inorganic Chemistry</i> , 1999 , 38, 4386-4387	5.1	91
234	Electrocatalytic oxidation of tyrosine by parallel rate-limiting proton transfer and multisite electron-proton transfer. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11020-1	16.4	89

233	Catalytic water oxidation on derivatized nanoITO. Dalton Transactions, 2010, 39, 6950-2	4.3	88
232	Electron transfer quenching of excited states of metal complexes. <i>Journal of the American Chemical Society</i> , 1976 , 98, 286-287	16.4	88
231	Binary molecular-semiconductor pl junctions for photoelectrocatalytic CO2 reduction. <i>Nature Energy</i> , 2019 , 4, 290-299	62.3	87
230	Synthesis of phosphonic acid derivatized bipyridine ligands and their ruthenium complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 12492-501	5.1	87
229	Measurement of rates of electron transfer between tris(2,2&bipyridine)ruthenium(3+) and tris(1,10-phenanthroline)iron(2+) ions and between tris(1,10-phenanthroline)ruthenium(3+) and tris(2,2&bipyridine)ruthenium(2+) ions by differential excitation flash photolysis. <i>Journal of the</i>	16.4	87
228	American Chemical Society, 1977, 99, 2468-2473 OsIII(N2)OsII Complexes at the Localized-to-Delocalized, Mixed-Valence Transition. <i>Journal of the American Chemical Society</i> , 1999, 121, 535-544	16.4	86
227	Electrocatalytic reduction of carbon dioxide by associative activation. <i>Organometallics</i> , 1988 , 7, 238-240	3.8	83
226	A Dye-Sensitized Photoelectrochemical Tandem Cell for Light Driven Hydrogen Production from Water. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16745-16753	16.4	83
225	Electrochemical oxidation of water by an adsorbed mu-oxo-bridged Ru complex. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2446-7	16.4	81
224	Cu(II) Aliphatic Diamine Complexes for Both Heterogeneous and Homogeneous Water Oxidation Catalysis in Basic and Neutral Solutions. <i>ACS Catalysis</i> , 2016 , 6, 77-83	13.1	80
223	Stabilizing small molecules on metal oxide surfaces using atomic layer deposition. <i>Nano Letters</i> , 2013 , 13, 4802-9	11.5	80
222	Reversible interconversion between a nitrido complex of osmium(VI) and an ammine complex of osmium(II). <i>Journal of the American Chemical Society</i> , 1990 , 112, 5507-5514	16.4	79
221	Light-Driven Water Splitting with a Molecular Electroassembly-Based Core/Shell Photoanode. Journal of Physical Chemistry Letters, 2015 , 6, 3213-3217	6.4	78
220	An Antenna Polymer for Visible Energy Transfer. <i>Journal of the American Chemical Society</i> , 1997 , 119, 10243-10244	16.4	78
219	Hybrid Photoelectrochemical Water Splitting Systems: From Interface Design to System Assembly. <i>Advanced Energy Materials</i> , 2020 , 10, 1900399	21.8	78
218	Electro-assembly of a chromophore-catalyst bilayer for water oxidation and photocatalytic water splitting. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4778-81	16.4	76
217	Stabilization of a ruthenium(II) polypyridyl dye on nanocrystalline TiO2 by an electropolymerized overlayer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15450-8	16.4	75
216	Electrocatalytic Reduction of Carbon Dioxide: Let the Molecules Do the Work. <i>Topics in Catalysis</i> , 2015 , 58, 30-45	2.3	75

Mid-Infrared Spectrum of [Ru(bpy)3]2+*. Journal of the American Chemical Society, 1997, 119, 7013-7018₁6.4 75 215 Cu(II)/Cu(0) electrocatalyzed CO2 and H2O splitting. Energy and Environmental Science, 2013, 6, 813 35.4 74 Water oxidation intermediates applied to catalysis: benzyl alcohol oxidation. Journal of the 213 16.4 74 American Chemical Society, 2012, 134, 3972-5 An aqueous, organic dye derivatized SnO2/TiO2 core/shell photoanode. Journal of Materials 212 13 71 Chemistry A, 2016, 4, 2969-2975 Experimental demonstration of radicaloid character in a Ru(V)=O intermediate in catalytic water oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 211 11.5 71 110, 3765-70 Photochemical Energy Transduction in Helical Proline Arrays. Journal of the American Chemical 210 16.4 70 Society, 1998, 120, 4885-4886 CO reduction to acetate in mixtures of ultrasmall (Cu), (Ag) bimetallic nanoparticles. Proceedings of 69 209 11.5 the National Academy of Sciences of the United States of America, 2018, 115, 278-283 Self-assembled molecular p/n junctions for applications in dye-sensitized solar energy conversion. 208 17.6 69 Nature Chemistry, 2016, 8, 845-52 Atomic layer deposition of TiO2 on mesoporous nanoITO: conductive core-shell photoanodes for 69 207 11.5 dye-sensitized solar cells. Nano Letters, 2014, 14, 3255-61 Copper(II) Catalysis of Water Oxidation. Angewandte Chemie, 2013, 125, 728-731 206 3.6 69 Surface catalysis of water oxidation by the blue ruthenium dimer. Inorganic Chemistry, 2010, 49, 3980-2 5.1 205 Multiple electron oxidation of phenols by an oxo complex of ruthenium(IV). Journal of the American 16.4 69 204 Chemical Society, 1988, 110, 7358-7367 Electronic structure in the intervalence transfer absorption band of a mixed-valence dimer. Journal 16.4 68 203 of the American Chemical Society, 1983, 105, 4303-4309 Visible light driven benzyl alcohol dehydrogenation in a dye-sensitized photoelectrosynthesis cell. 202 67 Journal of the American Chemical Society, 2014, 136, 9773-9 Redox mediator effect on water oxidation in a ruthenium-based chromophore-catalyst assembly. 201 16.4 67 Journal of the American Chemical Society, **2013**, 135, 2080-3 Interfacial electron transfer dynamics following laser flash photolysis of $[Ru(bpy)2((4,4\ThetaO3H2)2bpy)]2+$ in TiO2 nanoparticle films in aqueous environments. ChemSusChem 67 200 8.3 , **2011**, 4, 216-27 Reactivity of Osmium(VI) Nitrides with the Azide Ion. A New Synthetic Route to Osmium(II) 199 67 5.1 Polypyridyl Complexes. Inorganic Chemistry, 1998, 37, 3610-3619 Kinetic relaxation measurement of rapid electron transfer reactions by flash photolysis. Conversion of light energy into chemical energy using the 198 16.4 67 tris(2,26bipyridine)ruthenium(3+)-tris(2,26bipyridine)ruthenium(2+*) couple. Journal of the

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197	Transfer of Excited Ru(II) Polypyridyl Dyes on TiO2. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4426-38	16.4	66
196	Electrochemical Instability of Phosphonate-Derivatized, Ruthenium(III) Polypyridyl Complexes on Metal Oxide Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9554-62	9.5	66
195	Low-overpotential water oxidation by a surface-bound ruthenium-chromophore-ruthenium-catalyst assembly. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13580-3	16.4	66
194	Synthesis and Characterization of Dinuclear Ruthenium Complexes with Tetra-2-pyridylpyrazine as a Bridge. <i>Inorganic Chemistry</i> , 1999 , 38, 3200-3206	5.1	66
193	Reactivity of the oxo-bridged ion .muoxobis[bis(2,2@bipyridine)dioxodiruthenium](3+). <i>Inorganic Chemistry</i> , 1988 , 27, 4478-4483	5.1	65
192	Rapid catalytic water oxidation by a single site, Ru carbene catalyst. <i>Dalton Transactions</i> , 2011 , 40, 3789-	-923	62
191	Interfacial Deposition of Ru(II) Bipyridine-Dicarboxylate Complexes by Ligand Substitution for Applications in Water Oxidation Catalysis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 719-726	16.4	62
190	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
189	Light-Driven Water Splitting by a Covalently Linked Ruthenium-Based Chromophore Latalyst Assembly. ACS Energy Letters, 2017, 2, 124-128	20.1	60
188	Site-Selective Passivation of Defects in NiO Solar Photocathodes by Targeted Atomic Deposition. <i>ACS Applied Materials & Defects in NiO Solar Photocathodes by Targeted Atomic Deposition.</i>	9.5	60
187	Accumulation of multiple oxidative equivalents at a single site by cross-surface electron transfer on TiO2. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11587-94	16.4	60
186	Rapid Selective Electrocatalytic Reduction of Carbon Dioxide to Formate by an Iridium Pincer Catalyst Immobilized on Carbon Nanotube Electrodes. <i>Angewandte Chemie</i> , 2014 , 126, 8853-8857	3.6	59
185	Spatial Electrochromism in Metallopolymeric Films of Ruthenium Polypyridyl Complexes. <i>Chemistry of Materials</i> , 1996 , 8, 264-273	9.6	59
184	Concerning the electronic structure of the ions M(bpy)33+ (M = Fe, Ru, Os; bpy = 2,26bipyridine). <i>Inorganic Chemistry</i> , 1983 , 22, 1614-1616	5.1	59
183	Stabilization of ruthenium(II) polypyridyl chromophores on nanoparticle metal-oxide electrodes in water by hydrophobic PMMA overlayers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13514-7	16.4	58
182	Rapid energy transfer in non-porous metal b rganic frameworks with caged Ru(bpy)32+ chromophores: oxygen trapping and luminescence quenching. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14982	13	57
181	An amide-linked chromophore-catalyst assembly for water oxidation. <i>Inorganic Chemistry</i> , 2012 , 51, 642	8 5 .30	57
180	Localization in trans, trans- $[(tpy)(Cl)(2)Os(III)(N(2))Os(II)(Cl)(2)(tpy)](+)$ (tpy = 2,2 \mathfrak{GQ} "-Terpyridine). <i>Inorganic Chemistry</i> , 1997 , 36, 5678-5679	5.1	57

179	Synthesis and Characterization of Amide-Derivatized, Polypyridyl-Based Metallopolymers. <i>Inorganic Chemistry</i> , 1996 , 35, 6299-6307	5.1	57
178	A Sensitized Nb2O5 Photoanode for Hydrogen Production in a Dye-Sensitized Photoelectrosynthesis Cell. <i>Chemistry of Materials</i> , 2013 , 25, 122-131	9.6	56
177	Electron Transfer Mediator Effects in the Oxidative Activation of a Ruthenium Dicarboxylate Water Oxidation Catalyst. <i>ACS Catalysis</i> , 2015 , 5, 4404-4409	13.1	55
176	Mechanism of Metal-to-Ligand Charge Transfer Sensitization of Olefin Trans-to-Cis Isomerization in the fac-[ReI(phen)(CO)3(1,2-bpe)]+ Cation. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 4092-4095	2.8	55
175	Proton-coupled electron transfer at modified electrodes by multiple pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E1461-9	11.5	54
174	Photoelectrochemistry on Ru(II)-2,2& ipyridine-phosphonate-derivatized TiO2 with the I3-/I- and quinone/hydroquinone relays. Design of photoelectrochemical synthesis cells. <i>Inorganic Chemistry</i> , 2005 , 44, 2089-97	5.1	54
173	Dye-Sensitized Hydrobromic Acid Splitting for Hydrogen Solar Fuel Production. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15612-15615	16.4	53
172	Evaluation of Chromophore and Assembly Design in Light-Driven Water Splitting with a Molecular Water Oxidation Catalyst. <i>ACS Energy Letters</i> , 2016 , 1, 231-236	20.1	53
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