

Gary W Brudvig

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5765089/gary-w-brudvig-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

255
papers

19,273
citations

73
h-index

133
g-index

276
ext. papers

21,270
ext. citations

10.1
avg, IF

7.05
L-index

#	Paper	IF	Citations
255	Water-splitting chemistry of photosystem II. <i>Chemical Reviews</i> , 2006 , 106, 4455-83	68.1	1306
254	Comparing photosynthetic and photovoltaic efficiencies and recognizing the potential for improvement. <i>Science</i> , 2011 , 332, 805-9	33.3	1143
253	Molecular Catalysts for Water Oxidation. <i>Chemical Reviews</i> , 2015 , 115, 12974-3005	68.1	787
252	A functional model for O-O bond formation by the O ₂ -evolving complex in photosystem II. <i>Science</i> , 1999 , 283, 1524-7	33.3	646
251	Highly active and robust Cp* iridium complexes for catalytic water oxidation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8730-1	16.4	516
250	Half-sandwich iridium complexes for homogeneous water-oxidation catalysis. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16017-29	16.4	468
249	Active sites of copper-complex catalytic materials for electrochemical carbon dioxide reduction. <i>Nature Communications</i> , 2018 , 9, 415	17.4	338
248	Electrochemical CO ₂ Reduction to Hydrocarbons on a Heterogeneous Molecular Cu Catalyst in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8076-9	16.4	329
247	Quantum mechanics/molecular mechanics study of the catalytic cycle of water splitting in photosystem II. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3428-42	16.4	316
246	Energy conversion in natural and artificial photosynthesis. <i>Chemistry and Biology</i> , 2010 , 17, 434-47		315
245	Light-driven water oxidation for solar fuels. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 2503-2520	23.2	307
244	Oxidation of Organic Compounds in Water by Unactivated Peroxymonosulfate. <i>Environmental Science & Technology</i> , 2018 , 52, 5911-5919	10.3	306
243	Characterization of the O ₂ -evolving reaction catalyzed by [(terpy)(H ₂ O)Mn(III)(O)2Mn(IV)(OH ₂)(terpy)](NO ₃) ₃ (terpy = 2,2',6,2''-terpyridine). <i>Journal of the American Chemical Society</i> , 2001 , 123, 423-30	16.4	306
242	Distinguishing homogeneous from heterogeneous catalysis in electrode-driven water oxidation with molecular iridium complexes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10473-81	16.4	263
241	Artificial photosynthesis as a frontier technology for energy sustainability. <i>Energy and Environmental Science</i> , 2013 , 6, 1074	35.4	251
240	A visible light water-splitting cell with a photoanode formed by codeposition of a high-potential porphyrin and an iridium water-oxidation catalyst. <i>Energy and Environmental Science</i> , 2011 , 4, 2389	35.4	237
239	A molecular catalyst for water oxidation that binds to metal oxide surfaces. <i>Nature Communications</i> , 2015 , 6, 6469	17.4	218

238	Electron transfer in photosystem II at cryogenic temperatures. <i>Biochemistry</i> , 1985 , 24, 8114-20	3.2	213
237	Facet-dependent photoelectrochemical performance of TiO ₂ nanostructures: an experimental and computational study. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1520-9	16.4	205
236	Comparison of primary oxidants for water-oxidation catalysis. <i>Chemical Society Reviews</i> , 2013 , 42, 2247-58.5	58.5	204
235	Anodic deposition of a robust iridium-based water-oxidation catalyst from organometallic precursors. <i>Chemical Science</i> , 2011 , 2, 94-98	9.4	199
234	S1-state model of the O ₂ -evolving complex of photosystem II. <i>Biochemistry</i> , 2011 , 50, 6308-11	3.2	196
233	Structure-based mechanism of photosynthetic water oxidation. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 4754	3.6	195
232	Precursor transformation during molecular oxidation catalysis with organometallic iridium complexes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10837-51	16.4	176
231	Water oxidation chemistry of photosystem II. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 1211-8; discussion 1218-9	5.8	173
230	A guide to electron paramagnetic resonance spectroscopy of Photosystem II membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991 , 1056, 1-18	4.6	173
229	Stable iridium dinuclear heterogeneous catalysts supported on metal-oxide substrate for solar water oxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2902-2907	11.5	156
228	Quantifying the ion selectivity of the Ca ²⁺ site in photosystem II: evidence for direct involvement of Ca ²⁺ in O ₂ formation. <i>Biochemistry</i> , 2001 , 40, 7937-45	3.2	154
227	Anchoring groups for photocatalytic water oxidation on metal oxide surfaces. <i>Chemical Society Reviews</i> , 2017 , 46, 6099-6110	58.5	146
226	Acetylacetonate anchors for robust functionalization of TiO ₂ nanoparticles with Mn(II)-terpyridine complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14329-38	16.4	137
225	The O-Evolving Complex of Photosystem II: Recent Insights from Quantum Mechanics/Molecular Mechanics (QM/MM), Extended X-ray Absorption Fine Structure (EXAFS), and Femtosecond X-ray Crystallography Data. <i>Accounts of Chemical Research</i> , 2017 , 50, 41-48	24.3	134
224	Computational studies of the O(2)-evolving complex of photosystem II and biomimetic oxomanganese complexes. <i>Coordination Chemistry Reviews</i> , 2008 , 252, 395-415	23.2	134
223	Iridium-based complexes for water oxidation. <i>Dalton Transactions</i> , 2015 , 44, 12452-72	4.3	133
222	Ammonia binds to the manganese site of the oxygen-evolving complex of photosystem II in the S ₂ state. <i>Journal of the American Chemical Society</i> , 1986 , 108, 4018-4022	16.4	132
221	The effect of temperature on the formation and decay of the multiline EPR signal species associated with photosynthetic oxygen evolution. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983 , 723, 366-371	4.6	131

220	Electroreduction of CO Catalyzed by a Heterogenized Zn-Porphyrin Complex with a Redox-Innocent Metal Center. <i>ACS Central Science</i> , 2017 , 3, 847-852	16.8	130
219	QM/MM Models of the O ₂ -Evolving Complex of Photosystem II. <i>Journal of Chemical Theory and Computation</i> , 2006 , 2, 1119-34	6.4	126
218	Dimer-of-dimers model for the oxygen-evolving complex of photosystem II. Synthesis and properties of [MnIV ₄ O ₅ (terpy) ₄ (H ₂ O) ₂](ClO ₄) ₆ . <i>Journal of the American Chemical Society</i> , 2004 , 126, 7345-9	16.4	123
217	Energy Conversion in Photosynthesis: A Paradigm for Solar Fuel Production. <i>Annual Review of Condensed Matter Physics</i> , 2011 , 2, 303-327	19.7	117
216	An Iridium(IV) Species, [Cp*Ir(NHC)Cl] ⁺ , Related to a Water-Oxidation Catalyst. <i>Organometallics</i> , 2011 , 30, 965-973	3.8	116
215	Photosynthetic water oxidation: insights from manganese model chemistry. <i>Accounts of Chemical Research</i> , 2015 , 48, 567-74	24.3	115
214	Structural-functional role of chloride in photosystem II. <i>Biochemistry</i> , 2011 , 50, 6312-5	3.2	114
213	Progress Toward a Molecular Mechanism of Water Oxidation in Photosystem II. <i>Annual Review of Physical Chemistry</i> , 2017 , 68, 101-116	15.7	111
212	Hematite-Based Solar Water Splitting in Acidic Solutions: Functionalization by Mono- and Multilayers of Iridium Oxygen-Evolution Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11428-32	16.4	111
211	Characterization of carotenoid and chlorophyll photooxidation in photosystem II. <i>Biochemistry</i> , 2001 , 40, 193-203	3.2	111
210	Electrocatalytic Water Oxidation by a Copper(II) Complex of an Oxidation-Resistant Ligand. <i>ACS Catalysis</i> , 2017 , 7, 3384-3387	13.1	109
209	Ultrafast photodriven intramolecular electron transfer from an iridium-based water-oxidation catalyst to perylene diimide derivatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15651-6	11.5	108
208	Comparison of heterogenized molecular and heterogeneous oxide catalysts for photoelectrochemical water oxidation. <i>Energy and Environmental Science</i> , 2016 , 9, 1794-1802	35.4	104
207	A model of the oxygen-evolving center of photosystem II predicted by structural refinement based on EXAFS simulations. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6728-30	16.4	103
206	Mechanistic Study of an Improved Ni Precatalyst for Suzuki-Miyaura Reactions of Aryl Sulfamates: Understanding the Role of Ni(I) Species. <i>Journal of the American Chemical Society</i> , 2017 , 139, 922-936	16.4	102
205	Plasmonic Enhancement of Dye-Sensitized Solar Cells Using Core-Shell-Shell Nanostructures. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 927-934	3.8	102
204	Heme biomolecule as redox mediator and oxygen shuttle for efficient charging of lithium-oxygen batteries. <i>Nature Communications</i> , 2016 , 7, 12925	17.4	98
203	Electrochemical activation of Cp* iridium complexes for electrode-driven water-oxidation catalysis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13826-34	16.4	98

202	Manganese and calcium requirements for reconstitution of oxygen-evolution activity in manganese-depleted photosystem II membranes. <i>Biochemistry</i> , 1989 , 28, 8181-90	3.2	98
201	Active and resting states of the O ₂ -evolving complex of photosystem II. <i>Biochemistry</i> , 1985 , 24, 3035-43	3.2	96
200	Magnetic properties of manganese in the photosynthetic oxygen-evolving complex. <i>Journal of the American Chemical Society</i> , 1985 , 107, 2643-2648	16.4	95
199	Binding of amines to the O ₂ -evolving center of photosystem II. <i>Biochemistry</i> , 1986 , 25, 6479-86	3.2	95
198	Water-stable, hydroxamate anchors for functionalization of TiO ₂ surfaces with ultrafast interfacial electron transfer. <i>Energy and Environmental Science</i> , 2010 , 3, 917	35.4	94
197	Analysis of Dipolar and Exchange Interactions between Manganese and Tyrosine Z in the S ₂ YZ State of Acetate-Inhibited Photosystem II via EPR Spectral Simulations at X- and Q-Bands. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 8327-8335	3.4	87
196	Proton-coupled electron transfer in manganese complex [(bpy) ₂ Mn(O)Mn(bpy) ₂] ³⁺ . <i>Journal of the American Chemical Society</i> , 1989 , 111, 9249-9250	16.4	86
195	S ₀ -State model of the oxygen-evolving complex of photosystem II. <i>Biochemistry</i> , 2013 , 52, 7703-6	3.2	84
194	Sodium periodate as a primary oxidant for water-oxidation catalysts. <i>Inorganic Chemistry</i> , 2012 , 51, 6147-52	5.2	83
193	A tridentate Ni pincer for aqueous electrocatalytic hydrogen production. <i>New Journal of Chemistry</i> , 2012 , 36, 1149	3.6	83
192	Modular Assembly of High-Potential Zinc Porphyrin Photosensitizers Attached to TiO ₂ with a Series of Anchoring Groups. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14526-14533	3.8	82
191	Oxygen-evolving complex of Photosystem II: an analysis of second-shell residues and hydrogen-bonding networks. <i>Current Opinion in Chemical Biology</i> , 2015 , 25, 152-8	9.7	82
190	Hydroxamate anchors for water-stable attachment to TiO ₂ nanoparticles. <i>Energy and Environmental Science</i> , 2009 , 2, 1173	35.4	82
189	Quantum mechanics/molecular mechanics structural models of the oxygen-evolving complex of photosystem II. <i>Current Opinion in Structural Biology</i> , 2007 , 17, 173-80	8.1	81
188	Ultrathin dendrimer-graphene oxide composite film for stable cycling lithium-sulfur batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3578-3583	11.5	78
187	Ultrafast Photooxidation of Mn(II)Terpyridine Complexes Covalently Attached to TiO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11982-11990	3.8	77
186	Reactions of hydroxylamine with the electron-donor side of photosystem II. <i>Biochemistry</i> , 1987 , 26, 8285-95	3.2	77
185	Mutation of lysine 317 in the D2 subunit of photosystem II alters chloride binding and proton transport. <i>Biochemistry</i> , 2013 , 52, 4758-73	3.2	76

184	Electron-transfer events leading to reconstitution of oxygen-evolution activity in manganese-depleted photosystem II membranes. <i>Biochemistry</i> , 1990 , 29, 1385-92	3.2	76
183	Identification of histidine 118 in the D1 polypeptide of photosystem II as the axial ligand to chlorophyll Z. <i>Biochemistry</i> , 1998 , 37, 10040-6	3.2	75
182	Oxomanganese complexes for natural and artificial photosynthesis. <i>Current Opinion in Chemical Biology</i> , 2012 , 16, 11-8	9.7	73
181	Bioinorganic Chemistry of Manganese Related to Photosynthetic Oxygen Evolution. <i>Progress in Inorganic Chemistry</i> , 99-142		73
180	An anionic N-donor ligand promotes manganese-catalyzed water oxidation. <i>Inorganic Chemistry</i> , 2013 , 52, 7615-22	5.1	71
179	Deposition of an oxomanganese water oxidation catalyst on TiO ₂ nanoparticles: computational modeling, assembly and characterization. <i>Energy and Environmental Science</i> , 2009 , 2, 230	35.4	71
178	Comparison of dppf-Supported Nickel Precatalysts for the Suzuki-Miyaura Reaction: The Observation and Activity of Nickel(I). <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13352-6	16.4	70
177	High-frequency EPR study of a new mononuclear manganese(III) complex: [(terpy)Mn(N ₃) ₃] (terpy = 2,2',6,6'-terpyridine). <i>Inorganic Chemistry</i> , 2001 , 40, 1698-703	5.1	67
176	Analysis of the radiation-damage-free X-ray structure of photosystem II in light of EXAFS and QM/MM data. <i>Biochemistry</i> , 2015 , 54, 1713-6	3.2	65
175	Interfacial electron transfer into functionalized crystalline polyoxotitanate nanoclusters. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8911-7	16.4	65
174	Reversible binding of nitric oxide to tyrosyl radicals in photosystem II. Nitric oxide quenches formation of the S ₃ EPR signal species in acetate-inhibited photosystem II. <i>Biochemistry</i> , 1996 , 35, 15080-7	3.7	65
173	QM/MM computational studies of substrate water binding to the oxygen-evolving centre of photosystem II. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 1149-56; discussion 1156	5.8	64
172	Q-band EPR of the S ₂ state of photosystem II confirms an S = 5/2 origin of the X-band g = 4.1 signal. <i>Biophysical Journal</i> , 2004 , 87, 2885-96	2.9	64
171	A Pyridine Alkoxide Chelate Ligand That Promotes Both Unusually High Oxidation States and Water-Oxidation Catalysis. <i>Accounts of Chemical Research</i> , 2017 , 50, 952-959	24.3	63
170	Fluorescence quenching by chlorophyll cations in photosystem II. <i>Biochemistry</i> , 1997 , 36, 11351-9	3.2	63
169	Heterogenized Iridium Water-Oxidation Catalyst from a Silatrane Precursor. <i>ACS Catalysis</i> , 2016 , 6, 5371-5377	15.7	63
168	Experimental Support for a Single Electron-Transfer Oxidation Mechanism in Firefly Bioluminescence. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7592-5	16.4	61
167	Bioinspired High-Potential Porphyrin Photoanodes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4892-4903	3.8	61

166	NH ₃ Binding to the S ₂ State of the O ₂ -Evolving Complex of Photosystem II: Analogue to H ₂ O Binding during the S ₂ -jS ₃ Transition. <i>Biochemistry</i> , 2015 , 54, 5783-6	3.2	60
165	Photoelectrochemical hole injection revealed in polyoxotitanate nanocrystals functionalized with organic adsorbates. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16420-9	16.4	59
164	Oxygen-evolving complex of photosystem II: correlating structure with spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 11812-21	3.6	59
163	Chloride regulation of enzyme turnover: application to the role of chloride in photosystem II. <i>Biochemistry</i> , 2011 , 50, 2725-34	3.2	59
162	Computational insights into the O ₂ -evolving complex of photosystem II. <i>Photosynthesis Research</i> , 2008 , 97, 91-114	3.7	58
161	Isolation and characterization of spinach photosystem II membrane-associated catalase and polyphenol oxidase. <i>Biochemistry</i> , 1996 , 35, 16255-63	3.2	58
160	Nickel(II) monomers and dimers with cyclopentadienyl and indenyl ligands. <i>Chemistry - A European Journal</i> , 2014 , 20, 5327-37	4.8	57
159	Competitive binding of acetate and chloride in photosystem II. <i>Biochemistry</i> , 1999 , 38, 6604-13	3.2	57
158	Photosynthetic water oxidation: binding and activation of substrate waters for O-O bond formation. <i>Faraday Discussions</i> , 2015 , 185, 37-50	3.6	56
157	End-On Bound Iridium Dinuclear Heterogeneous Catalysts on WO ₃ for Solar Water Oxidation. <i>ACS Central Science</i> , 2018 , 4, 1166-1172	16.8	54
156	Solution Structures of Highly Active Molecular Ir Water-Oxidation Catalysts from Density Functional Theory Combined with High-Energy X-ray Scattering and EXAFS Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5511-4	16.4	54
155	Cp* Iridium Precatalysts for Selective C-H Oxidation with Sodium Periodate As the Terminal Oxidant. <i>Organometallics</i> , 2013 , 32, 957-965	3.8	53
154	Development of an Improved System for the Carboxylation of Aryl Halides through Mechanistic Studies. <i>ACS Catalysis</i> , 2019 , 9, 3228-3241	13.1	52
153	Formation and decay of the S ₃ EPR signal species in acetate-inhibited photosystem II. <i>Biochemistry</i> , 1996 , 35, 1946-53	3.2	52
152	Rutile TiO ₂ as an Anode Material for Water-Splitting Dye-Sensitized Photoelectrochemical Cells. <i>ACS Energy Letters</i> , 2016 , 1, 603-606	20.1	51
151	S ₃ State of the O ₂ -Evolving Complex of Photosystem II: Insights from QM/MM, EXAFS, and Femtosecond X-ray Diffraction. <i>Biochemistry</i> , 2016 , 55, 981-4	3.2	51
150	Electron Injection Dynamics from Photoexcited Porphyrin Dyes into SnO ₂ and TiO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21662-21670	3.8	51
149	Highly Active NiO Photocathodes for H ₂ O Production Enabled via Outer-Sphere Electron Transfer. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4079-4084	16.4	50

148	Orientation of the tetranuclear manganese cluster and tyrosine Z in the O(2)-evolving complex of photosystem II: An EPR study of the S(2)Y(Z)(*) state in oriented acetate-inhibited photosystem II membranes. <i>Biochemistry</i> , 1999 , 38, 12758-67	3.2	50
147	A [3Fe-4S] cluster is required for tRNA thiolation in archaea and eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 12703-12708	11.5	48
146	Proton-Coupled Electron Transfer Involving Tyrosine Z in Photosystem II. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 8189-8196	3.4	47
145	Silatrane for binding inorganic complexes to metal oxide surfaces. <i>Dalton Transactions</i> , 2015 , 44, 20312-20315	4.5	46
144	High-Field EPR Study of Carotenoid and Chlorophyll Cation Radicals in Photosystem II. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 10445-10448	3.4	45
143	Synthesis and Reactivity of Paramagnetic Nickel Polypyridyl Complexes Relevant to C(sp ³)-C(sp ³) Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6094-6098	16.4	44
142	Crystallographic Data Support the Carousel Mechanism of Water Supply to the Oxygen-Evolving Complex of Photosystem II. <i>ACS Energy Letters</i> , 2017 , 2, 2299-2306	20.1	43
141	Nickel(I) Aryl Species: Synthesis, Properties, and Catalytic Activity. <i>ACS Catalysis</i> , 2018 , 8, 2526-2533	13.1	42
140	Stable Iridium(IV) Complexes of an Oxidation-Resistant Pyridine-Alkoxide Ligand: Highly Divergent Redox Properties Depending on the Isomeric Form Adopted. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7243-50	16.4	41
139	Probing the Viability of Oxo-Coupling Pathways in Iridium-Catalyzed Oxygen Evolution. <i>Organometallics</i> , 2013 , 32, 5384-5390	3.8	40
138	Structural changes in the oxygen-evolving complex of photosystem II induced by the S1 to S2 transition: A combined XRD and QM/MM study. <i>Biochemistry</i> , 2014 , 53, 6860-2	3.2	39
137	Proton-Coupled Electron Transfer During the S-State Transitions of the Oxygen-Evolving Complex of Photosystem II. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 7366-77	3.4	39
136	EPR spectroscopic characterization of neuronal NO synthase. <i>Biochemistry</i> , 1996 , 35, 2804-10	3.2	39
135	Calcium binding studies of photosystem II using a calcium-selective electrode. <i>Biochemistry</i> , 1998 , 37, 1532-9	3.2	37
134	Photodriven Oxidation of Surface-Bound Iridium-Based Molecular Water-Oxidation Catalysts on Perylene-3,4-dicarboximide-Sensitized TiO ₂ Electrodes Protected by an Al ₂ O ₃ Layer. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3752-3764	3.8	35
133	Interfacial electron transfer in photoanodes based on phosphorus(V) porphyrin sensitizers co-deposited on SnO ₂ with the Ir(III)Cp* water oxidation precatalyst. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3868-3879	13	35
132	Mechanism of Manganese-Catalyzed Oxygen Evolution from Experimental and Theoretical Analyses of ¹⁸ O Kinetic Isotope Effects. <i>ACS Catalysis</i> , 2015 , 5, 7104-7113	13.1	35
131	Ferrocene-Promoted Long-Cycle Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14818-14822	16.4	34

130	Redox Activity of Oxo-Bridged Iridium Dimers in an N,O-Donor Environment: Characterization of Remarkably Stable Ir(IV,V) Complexes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9672-9683	16.4	34
129	Photoelectrochemical Cells Utilizing Tunable Corroles. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16124-30	9.5	33
128	Facet-Dependent Kinetics and Energetics of Hematite for Solar Water Oxidation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5616-5622	9.5	32
127	Electrostatic effects on proton coupled electron transfer in oxomanganese complexes inspired by the oxygen-evolving complex of photosystem II. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 6217-26	3.4	32
126	Studies of the manganese site of photosystem II by electron spin resonance spectroscopy. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987 , 83, 3635		32
125	Energetics of the S State Spin Isomers of the Oxygen-Evolving Complex of Photosystem II. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1020-1025	3.4	31
124	High Oxidation State Iridium Mono-oxo Dimers Related to Water Oxidation Catalysis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15917-15926	16.4	31
123	Selective CO Production by Photoelectrochemical Methane Oxidation on TiO. <i>ACS Central Science</i> , 2018 , 4, 631-637	16.8	30
122	Water-Nucleophilic Attack Mechanism for the Cu(I) Water-Oxidation Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 7952-7960	13.1	30
121	Computational Design of Intrinsic Molecular Rectifiers Based on Asymmetric Functionalization of N-Phenylbenzamide. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 5888-96	6.4	29
120	Antimony Complexes for Electrocatalysis: Activity of a Main-Group Element in Proton Reduction. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9111-9115	16.4	28
119	Strongly Coupled Phenazine-Porphyrin Dyads: Light-Harvesting Molecular Assemblies with Broad Absorption Coverage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8000-8008	9.5	28
118	Controlling the rectification properties of molecular junctions through molecule-electrode coupling. <i>Nanoscale</i> , 2016 , 8, 16357-16362	7.7	28
117	Computational insights on crystal structures of the oxygen-evolving complex of photosystem II with either Ca(2+) or Ca(2+) substituted by Sr(2+). <i>Biochemistry</i> , 2015 , 54, 820-5	3.2	28
116	A full set of iridium(IV) pyridine-alkoxide stereoisomers: highly geometry-dependent redox properties. <i>Chemical Science</i> , 2017 , 8, 1642-1652	9.4	27
115	Factors that determine the unusually low reduction potential of cytochrome c550 in cyanobacterial photosystem II. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 708-16	3.7	27
114	Formation of the S2 state and structure of the Mn complex in photosystem II lacking the extrinsic 33 kilodalton polypeptide. <i>Photosynthesis Research</i> , 1987 , 12, 205-18	3.7	27
113	Endothelial Cell Autonomous Role of Akt1: Regulation of Vascular Tone and Ischemia-Induced Arteriogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 870-879	9.4	26

112	New Ir Bis-Carbonyl Precursor for Water Oxidation Catalysis. <i>Inorganic Chemistry</i> , 2016 , 55, 2427-35	5.1	26
111	Direct Interfacial Electron Transfer from High-Potential Porphyrins into Semiconductor Surfaces: A Comparison of Linkers and Anchoring Groups. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13529-13539	3.8	25
110	Optimization of Photoanodes for Photocatalytic Water Oxidation by Combining a Heterogenized Iridium Water-Oxidation Catalyst with a High-Potential Porphyrin Photosensitizer. <i>ChemSusChem</i> , 2017 , 10, 4526-4534	8.3	25
109	Organosilatrane building blocks. <i>Tetrahedron Letters</i> , 2014 , 55, 1062-1064	2	24
108	Towards multielectron photocatalysis: a porphyrin array for lateral hole transfer and capture on a metal oxide surface. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12728-34	3.6	24
107	A Stable Coordination Complex of Rh(IV) in an N,O-Donor Environment. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15692-5	16.4	24
106	Nanotechnology for catalysis and solar energy conversion. <i>Nanotechnology</i> , 2021 , 32, 042003	3.4	24
105	Probing the effect of mutations of asparagine 181 in the D1 subunit of photosystem II. <i>Biochemistry</i> , 2015 , 54, 1663-72	3.2	23
104	Mapping RNA-protein interactions in ribonuclease P from Escherichia coli using electron paramagnetic resonance spectroscopy. <i>Biochemistry</i> , 1999 , 38, 1705-14	3.2	23
103	Metal-Organic Framework Photoconductivity via Time-Resolved Terahertz Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9793-9797	16.4	22
102	Insights into substrate binding to the oxygen-evolving complex of photosystem II from ammonia inhibition studies. <i>Biochemistry</i> , 2015 , 54, 622-8	3.2	22
101	A (μ -Oxo)bis(μ -carboxylato)diiron(III) Complex with a Tethered Phenoxyl Radical as a Model for the Active Site of the R2 protein of Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 1995 , 117, 3134-3144	16.4	22
100	Cryo-EM Structure of Monomeric Photosystem II from Synechocystis sp. PCC 6803 Lacking the Water-Oxidation Complex. <i>Joule</i> , 2020 , 4, 2131-2148	27.8	22
99	Molecular titanium-hydroxamate complexes as models for TiO ₂ surface binding. <i>Chemical Communications</i> , 2016 , 52, 2972-5	5.8	21
98	Silatrane Anchors for Metal Oxide Surfaces: Optimization for Potential Photocatalytic and Electrocatalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5602-5609	9.5	21
97	The tetranuclear manganese cluster in photosystem II: location and magnetic properties of the S ₂ state as determined by saturation-recovery EPR spectroscopy. <i>Biochemistry</i> , 1997 , 36, 9735-46	3.2	21
96	High-Potential Porphyrins Supported on SnO ₂ and TiO ₂ Surfaces for Photoelectrochemical Applications. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 28971-28982	3.8	21
95	Unusual Stability of a Bacteriochlorin Electrocatalyst under Reductive Conditions. A Case Study on CO ₂ Conversion to CO. <i>ACS Catalysis</i> , 2018 , 8, 10131-10136	13.1	21

94	Slow Equilibration between Spectroscopically Distinct Trap States in Reduced TiO Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2868-2871	16.4	20
93	Substitution of the D1-Asn site in photosystem II of cyanobacteria mimics the chloride-binding characteristics of spinach photosystem II. <i>Journal of Biological Chemistry</i> , 2018 , 293, 2487-2497	5.4	20
92	Effect of Chloride Depletion on the Magnetic Properties and the Redox Leveling of the Oxygen-Evolving Complex in Photosystem II. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 4243-8	3.4	20
91	Uncoupling Caveolae From Intracellular Signaling In Vivo. <i>Circulation Research</i> , 2016 , 118, 48-55	15.7	19
90	Catalase-free photosystem II: the O ₂ -evolving complex does not dismutate hydrogen peroxide. <i>Biochemistry</i> , 1998 , 37, 5052-9	3.2	19
89	A pomegranate-structured sulfur cathode material with triple confinement of lithium polysulfides for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11788-11793	13	18
88	Linker rectifiers for covalent attachment of transition-metal catalysts to metal-oxide surfaces. <i>ChemPhysChem</i> , 2014 , 15, 1138-47	3.2	18
87	Investigation of the Functional Role of Ca ²⁺ in the Oxygen-Evolving Complex of Photosystem II: A pH-Dependence Study of the Substitution of Ca ²⁺ by Sr ²⁺ . <i>Journal of the Chinese Chemical Society</i> , 2004 , 51, 1221-1228	1.5	18
86	Location of the iron-sulfur clusters FA and FB in photosystem I: an electron paramagnetic resonance study of spin relaxation enhancement of P700+. <i>Biochemistry</i> , 1999 , 38, 13210-5	3.2	18
85	Molecular design of light-harvesting photosensitizers: effect of varied linker conjugation on interfacial electron transfer. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 18678-82	3.6	17
84	Electron-Rich CplIr(biphenyl-2,2'-diyl) Complexes with π -Accepting Carbon Donor Ligands. <i>Organometallics</i> , 2012 , 31, 7158-7164	3.8	17
83	Towards a Bioinspired-Systems Approach for Solar Fuel Devices. <i>ChemPlusChem</i> , 2016 , 81, 1024-1027	2.8	17
82	Fluctuation-Induced Tunneling Conductivity in Nanoporous TiO ₂ Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1931-1936	6.4	16
81	Insights into Photosystem II from Isomorphous Difference Fourier Maps of Femtosecond X-ray Diffraction Data and Quantum Mechanics/Molecular Mechanics Structural Models. <i>ACS Energy Letters</i> , 2017 , 2, 397-407	20.1	15
80	Bis(dialkylphosphino)ferrocene-Ligated Nickel(II) Precatalysts for Suzuki-Miyaura Reactions of Aryl Carbonates. <i>Organometallics</i> , 2019 , 38, 3377-3387	3.8	15
79	D1-S169A Substitution of Photosystem II Perturbs Water Oxidation. <i>Biochemistry</i> , 2019 , 58, 1379-1387	3.2	15
78	Cation Effects on the Electron-Acceptor Side of Photosystem II. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 7722-8	3.4	15
77	Synthesis and Characterization of Iridium(V) Coordination Complexes With an N,O-Donor Organic Ligand. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13047-13051	16.4	15

76	Comparison of dppf-Supported Nickel Precatalysts for the Suzuki-Miyaura Reaction: The Observation and Activity of Nickel(I). <i>Angewandte Chemie</i> , 2015 , 127, 13550-13554	3.6	15
75	Modifications to the Aryl Group of dppf-Ligated Ni-Aryl Precatalysts: Impact on Speciation and Catalytic Activity in Suzuki-Miyaura Coupling Reactions. <i>Organometallics</i> , 2018 , 37, 3943-3955	3.8	15
74	X-ray Free Electron Laser Radiation Damage through the S-State Cycle of the Oxygen-Evolving Complex of Photosystem II. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 9382-9388	3.4	13
73	Stereodynamic Quinone-Hydroquinone Molecules That Enantiomerize at sp-Carbon via Redox-Interconversion. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15239-15244	16.4	13
72	Electron Donation in Photosystem II. <i>Israel Journal of Chemistry</i> , 1988 , 28, 121-128	3.4	13
71	Thermodynamics of the S-to-S state transition of the oxygen-evolving complex of photosystem II. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 20840-20848	3.6	12
70	Relative stability of the S isomers of the oxygen evolving complex of photosystem II. <i>Photosynthesis Research</i> , 2019 , 141, 331-341	3.7	12
69	A Dinuclear Iridium(V,V) Oxo-Bridged Complex Characterized Using a Bulk Electrolysis Technique for Crystallizing Highly Oxidizing Compounds. <i>Inorganic Chemistry</i> , 2018 , 57, 5684-5691	5.1	12
68	Ammonia Binding in the Second Coordination Sphere of the Oxygen-Evolving Complex of Photosystem II. <i>Biochemistry</i> , 2016 , 55, 4432-6	3.2	12
67	Chlorophyll a with a farnesyl tail in thermophilic cyanobacteria. <i>Photosynthesis Research</i> , 2017 , 134, 175-182	3.8	12
66	Surface-Attached Molecular Catalysts on Visible-Light-Absorbing Semiconductors: Opportunities and Challenges for a Stable Hybrid Water-Splitting Photoanode. <i>ACS Energy Letters</i> , 2020 , 5, 3195-3202	20.1	12
65	Solvent Dependence of Lateral Charge Transfer in a Porphyrin Monolayer. <i>ACS Energy Letters</i> , 2017 , 2, 168-173	20.1	11
64	Insights into Proton-Transfer Pathways during Water Oxidation in Photosystem II. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8195-8202	3.4	11
63	Collaboration between experiment and theory in solar fuels research. <i>Chemical Society Reviews</i> , 2019 , 48, 1865-1873	58.5	11
62	Ferrocene-Promoted Long-Cycle Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 15038-15042	3.6	11
61	Structure and Function of Manganese in Photosystem II. <i>Advances in Chemistry Series</i> , 1996 , 249-263		11
60	Involvement of Manganese in Photosynthetic Water Oxidation. <i>ACS Symposium Series</i> , 1988 , 221-237	0.4	11
59	Opportunities and challenges for assigning cofactors in cryo-EM density maps of chlorophyll-containing proteins. <i>Communications Biology</i> , 2020 , 3, 408	6.7	11

58	Observation of a potential-dependent switch of water-oxidation mechanism on Co-oxide-based catalysts. <i>CheM</i> , 2021 , 7, 2101-2117	16.2	11
57	Catalytic Oxygen Evolution from Manganese Complexes with an Oxidation-Resistant N,N,O-Donor Ligand. <i>ChemPlusChem</i> , 2016 , 81, 1129-1132	2.8	10
56	Linker Length-Dependent Electron-Injection Dynamics of Trimesitylporphyrins on SnO ₂ Films. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22690-22699	3.8	10
55	Synthesis of pyridine-alkoxide ligands for formation of polynuclear complexes. <i>New Journal of Chemistry</i> , 2017 , 41, 6709-6719	3.6	9
54	Preparation of Halogenated Fluorescent Diaminophenazine Building Blocks. <i>Journal of Organic Chemistry</i> , 2015 , 80, 9881-8	4.2	9
53	Surface-Induced Deprotection of THP-Protected Hydroxamic Acids on Titanium Dioxide. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12495-12502	3.8	9
52	Characterization of siloxane adsorbates covalently attached to TiO ₂ 2008 ,		9
51	Concerted proton-electron transfer oxidation of phenols and hydrocarbons by a high-valent nickel complex. <i>Chemical Science</i> , 2020 , 11, 1683-1690	9.4	9
50	Zwitterion modulation of O(2)-evolving activity of cyanobacterial photosystem II. <i>Biochemistry</i> , 2010 , 49, 8220-7	3.2	8
49	Heterogeneous Nature of Electrocatalytic CO/CO Reduction by Cobalt Phthalocyanines. <i>ChemSusChem</i> , 2020 , 13, 6296-6299	8.3	8
48	Synthesis and Characterization of Iridium(V) Coordination Complexes With an N,O-Donor Organic Ligand. <i>Angewandte Chemie</i> , 2017 , 129, 13227-13231	3.6	7
47	Characterization of ammonia binding to the second coordination shell of the oxygen-evolving complex of photosystem II. <i>Dalton Transactions</i> , 2017 , 46, 16089-16095	4.3	7
46	Modeling the Oxygen-Evolving Complex in Photosystem II 2000 , 509-541		7
45	High-resolution cryo-electron microscopy structure of photosystem II from the mesophilic cyanobacterium, sp. PCC 6803.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	7
44	Is Deprotonation of the Oxygen-Evolving Complex of Photosystem II during the S ₂ -S ₃ Transition Suppressed by Proton Quantum Delocalization?. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8324-8332	16.4	7
43	Light-Driven Water Oxidation with the Catalyst and the Ru(bpy) ₃ /SO Cycle: Photogeneration of Active Dimers, Electron-Transfer Kinetics, and Light Synchronization for Oxygen Evolution with High Quantum Efficiency. <i>Inorganic Chemistry</i> , 2019 , 58, 16537-16545	5.1	7
42	Surprisingly big linker-dependence of activity and selectivity in CO reduction by an iridium(i) pincer complex. <i>Chemical Communications</i> , 2020 , 56, 9126-9129	5.8	6
41	Structure-function relationships in single molecule rectification by N-phenylbenzamide derivatives. <i>New Journal of Chemistry</i> , 2016 , 40, 7373-7378	3.6	6

40	Antimony Complexes for Electrocatalysis: Activity of a Main-Group Element in Proton Reduction. <i>Angewandte Chemie</i> , 2017 , 129, 9239-9243	3.6	6
39	Effects of tail-like substituents on the binding of competitive inhibitors to the Q(B) site of photosystem II. <i>Journal of Molecular Recognition</i> , 2001 , 14, 157-65	2.6	6
38	Structure of a monomeric photosystem II core complex from a cyanobacterium acclimated to far-red light reveals the functions of chlorophylls d and f. <i>Journal of Biological Chemistry</i> , 2021 , 101424	5.4	6
37	N,N,O Pincer Ligand with a Deprotonatable Site That Promotes Redox-Leveling, High Mn Oxidation States, and a Mn ₂ O ₂ Dimer Competent for Catalytic Oxygen Evolution. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2115-2123	2.3	6
36	Catalytic Oxygen Evolution by a Bioinorganic Model of the Photosystem II Oxygen-Evolving Complex. <i>Journal of Chemical Education</i> , 2005 , 82, 791	2.4	5
35	Location of EPR-Active Spins Buried in Proteins from the Simulation of the Spin Lattice Relaxation Enhancement Caused by Dy(III) Complexes. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9390-9396	3.4	5
34	Proton exit pathways surrounding the oxygen evolving complex of photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021 , 1862, 148446	4.6	5
33	Bicarbonate rescues damaged proton-transfer pathway in photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019 , 1860, 611-617	4.6	4
32	Synthesis and Reactivity of Paramagnetic Nickel Polypyridyl Complexes Relevant to C(sp ²)–C(sp ³) Coupling Reactions. <i>Angewandte Chemie</i> , 2019 , 131, 6155-6159	3.6	4
31	Co(II), a catalyst for selective conversion of phenyl rings to carboxylic acid groups. <i>RSC Advances</i> , 2014 , 4, 49395-49399	3.7	4
30	Chloride binding to photosystem II in the dark is in slow exchange. <i>FEBS Letters</i> , 1989 , 254, 184-8	3.8	4
29	Diazo coupling for surface attachment of small molecules to TiO nanoparticles. <i>Chemical Communications</i> , 2020 , 56, 9340-9343	5.8	4
28	On the relationship between cumulative correlation coefficients and the quality of crystallographic data sets. <i>Protein Science</i> , 2017 , 26, 2410-2416	6.3	3
27	D1-S169A substitution of photosystem II reveals a novel S-state structure. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020 , 1861, 148301	4.6	3
26	Quantitative assessment of chlorophyll types in cryo-EM maps of photosystem I acclimated to far-red light. <i>BBA Advances</i> , 2021 , 1, 100019		3
25	Toward understanding the S ₂ -S ₃ transition in the Kok cycle of Photosystem II: Lessons from Sr-substituted structure. <i>Inorganic Chemistry Communication</i> , 2021 , 133, 108890	3.1	3
24	Identification of a Na-Binding Site near the Oxygen-Evolving Complex of Spinach Photosystem II. <i>Biochemistry</i> , 2020 , 59, 2823-2831	3.2	2
23	Optimization of Surface Loading of the Silatrane Anchoring Group on TiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2

22	Structure of a photosystem I-ferredoxin complex from a marine cyanobacterium provides insights into far-red light photoacclimation. <i>Journal of Biological Chemistry</i> , 2021 , 101408	5.4	2
21	Heterogeneous Composition of Oxygen-Evolving Complexes in Crystal Structures of Dark-Adapted Photosystem II. <i>Biochemistry</i> , 2021 , 60, 3374-3384	3.2	2
20	Tuning the Conduction Band for Interfacial Electron Transfer: Dye-Sensitized SnxTi1-xO2 Photoanodes for Water Splitting. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4695-4703	6.1	2
19	Cation-exchanged conductive Mn2DSBDC metal-organic frameworks: Synthesis, structure, and THz conductivity. <i>Polyhedron</i> , 2021 , 203, 115182	2.7	2
18	Reduced Occupancy of the Oxygen-Evolving Complex of Photosystem II Detected in Cryo-Electron Microscopy Maps. <i>Biochemistry</i> , 2018 , 57, 5925-5929	3.2	2
17	Accessing Molecular Dimeric Ir Water Oxidation Catalysts from Coordination Precursors. <i>Inorganic Chemistry</i> , 2021 , 60, 14349-14356	5.1	2
16	Computational Studies of the Oxygen-Evolving Complex of Photosystem II and Biomimetic Oxomanganese Complexes for Renewable Energy Applications. <i>ACS Symposium Series</i> , 2013 , 203-215	0.4	1
15	Comparison of PsbQ and Psb27 in photosystem II provides insight into their roles.. <i>Photosynthesis Research</i> , 2022 , 1	3.7	1
14	Experimental Verification of Ir 5d Orbital States and Atomic Structures in Highly Active Amorphous Iridium Oxide Catalysts. <i>ACS Catalysis</i> , 2021 , 11, 10084-10094	13.1	1
13	One-Step Trimethylstannylation of Benzyl and Alkyl Halides. <i>Journal of Organic Chemistry</i> , 2016 , 81, 9483-9488	4.2	1
12	Kinetic modeling of substrate-water exchange in Photosystem II. <i>BBA Advances</i> , 2021 , 1, 100014		1
11	Some crystal growth strategies for diffraction structure studies of iridium complexes. <i>Inorganica Chimica Acta</i> , 2018 , 480, 183-188	2.7	1
10	Distorted Copper(II) Complex with Unusually Short CF ₃ Cu Distances. <i>Inorganic Chemistry</i> , 2021 , 60, 14759-14764	5.1	1
9	Organometallic complexes as preferred precursors to form molecular Ir(pyalk) coordination complexes for catalysis of oxygen evolution. <i>Inorganica Chimica Acta</i> , 2021 , 526, 120507	2.7	1
8	Ultrafast terahertz spectroscopy provides insight into charge transfer efficiency and dynamics in artificial photosynthesis. <i>Photosynthesis Research</i> , 2020 , 1	3.7	0
7	Structural Studies of Oxomanganese Complexes for Water Oxidation Catalysis 2014 , 1-14		
6	Synthesis and characterization of an internal emission standard and applications to fluorescence studies of photosystem II. <i>Biospectroscopy</i> , 1998 , 2, 167-171		
5	Tribute to Charles A. Schmuttenmaer. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 22333-22334	3.8	

4 Progress Towards Unraveling the Water-Oxidation Mechanism of Photosystem II **2019**, 285-306

3 Water oxidation chemistry of photosystem II. *FASEB Journal*, **2013**, 27, 98.1 0.9

2 Modification of a pyridine-alkoxide ligand during the synthesis of coordination compounds. *Inorganica Chimica Acta*, **2019**, 484, 75-78 2.7

1 Glycerol binding at the narrow channel of photosystem II stabilizes the low-spin S state of the oxygen-evolving complex.. *Photosynthesis Research*, **2022**, 1 3.7