Victor S Batista

List of Publications by Year
in descending order

276 papers	14,391 citations	16437 64 h-index	28275 105 g-index
287 all docs	287 docs citations	287 times ranked	15497 citing authors

#	Article	IF	Citations
1	Distinct allosteric pathways in imidazole glycerol phosphate synthase from yeast and bacteria. Biophysical Journal, 2022, 121, 119-130.	0.2	8
2	Binding of the substrate analog methanol in the oxygen-evolving complex of photosystem II in the D1-N87A genetic variant of cyanobacteria. Faraday Discussions, 2022, 234, 195-213.	1.6	4
3	Protein nanowires with tunable functionality and programmable self-assembly using sequence-controlled synthesis. Nature Communications, 2022, 13, 829.	5.8	30
4	High-resolution cryo-electron microscopy structure of photosystem II from the mesophilic cyanobacterium, Synechocystis sp. PCC 6803. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	58
5	Insights into Binding of Single-Stranded Viral RNA Template to the Replicationâ€“Transcription Complex of SARS-CoV-2 for the Priming Reaction from Molecular Dynamics Simulations. Biochemistry, 2022, 61, 424-432.	1.2	10
6	MptpA Kinetics Enhanced by Allosteric Control of an Active Conformation. Journal of Molecular Biology, 2022, 434, 167540.	2.0	7
7	Functional Tensor-Train Chebyshev Method for Multidimensional Quantum Dynamics Simulations. Journal of Chemical Theory and Computation, 2022, 18, 25-36.	2.3	10
8	Glycerol binding at the narrow channel of photosystem II stabilizes the low-spin S2 state of the oxygen-evolving complex. Photosynthesis Research, 2022, , 1.	1.6	1
9	Structural Basis for Reduced Dynamics of Three Engineered HNH Endonuclease Lys-to-Ala Mutants for the Clustered Regularly Interspaced Short Palindromic Repeat (CRISPR)-Associated 9 (CRISPR/Cas9) Enzyme. Biochemistry, 2022, 61, 785-794.	1.2	12
10	A 300-fold conductivity increase in microbial cytochrome nanowires due to temperature-induced restructuring of hydrogen bonding networks. Science Advances, 2022, 8, eabm7193.	4.7	28
11	Tensor-Train Split-Operator KSL (TT-SOKSL) Method for Quantum Dynamics Simulations. Journal of Chemical Theory and Computation, 2022, 18, 3327-3346.	2.3	9
12	Selective Heterogeneous Transfer Hydrogenation from Tertiary Amines to Alkynes. ACS Catalysis, 2021, 11, 5405-5415.	5.5	4
13	Tuning the Conduction Band for Interfacial Electron Transfer: Dye-Sensitized Sn_xTi_{1â€“x}O₂ Photoanodes for Water Splitting. ACS Applied Energy Materials, 2021, 4, 4695-4703.	2.5	4
14	Is Deprotonation of the Oxygen-Evolving Complex of Photosystem II during the S₁ â†' S₂ Transition Suppressed by Proton Quantum Delocalization?. Journal of the American Chemical Society, 2021, 143, 8324-8332.	6.6	21
15	Iterative Power Algorithm for Global Optimization with Quantics Tensor Trains. Journal of Chemical Theory and Computation, 2021, 17, 3280-3291.	2.3	8
16	Introducing special issue on photocatalysis and photoelectrochemistry. Journal of Chemical Physics, 2021, 154, 190401.	1.2	0
17	Mechanism of Inhibition of the Reproduction of SARS-CoV-2 and Ebola Viruses by Remdesivir. Biochemistry, 2021, 60, 1869-1875.	1.2	12
18	Do crystallographic XFEL data support binding of a water molecule to the oxygen-evolving complex of photosystem II exposed to two flashes of light?. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11

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19	Proton exit pathways surrounding the oxygen evolving complex of photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148446.	0.5	30
20	Observation of a potential-dependent switch of water-oxidation mechanism on Co-oxide-based catalysts. CheM, 2021, 7, 2101-2117.	5.8	42
21	Distorted Copper(II) Complex with Unusually Short CFÂ·Â·Â·Cu Distances. Inorganic Chemistry, 2021, 60, 14759-14764.	1.9	1
22	A structurally preserved allosteric site in the MIF superfamily affects enzymatic activity and CD74 activation in D-dopachrome tautomerase. Journal of Biological Chemistry, 2021, 297, 101061.	1.6	7
23	Computational insights into the membrane fusion mechanism of SARS-CoV-2 at the cellular level. Computational and Structural Biotechnology Journal, 2021, 19, 5019-5028.	1.9	10
24	Vibrational Stark shift spectroscopy of catalysts under the influence of electric fields at electrodeâ€“solution interfaces. Chemical Science, 2021, 12, 10131-10149.	3.7	25
25	Community Network Analysis of Allosteric Proteins. Methods in Molecular Biology, 2021, 2253, 137-151.	0.4	15
26	Intrinsic electronic conductivity of individual atomically resolved amyloid crystals reveals micrometer-long hole hopping via tyrosines. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	45
27	Nanotechnology for catalysis and solar energy conversion. Nanotechnology, 2021, 32, 042003.	1.3	44
28	Heterogeneous Composition of Oxygen-Evolving Complexes in Crystal Structures of Dark-Adapted Photosystem II. Biochemistry, 2021, 60, 3374-3384.	1.2	8
29	Development of an Enantioselective Synthesis of (â^')-Euonyminol. Journal of Organic Chemistry, 2021, 86, 17011-17035.	1.7	6
30	Enhanced specificity mutations perturb allosteric signaling in CRISPR-Cas9. ELife, 2021, 10, .	2.8	27
31	Copper-mediated thiol potentiation and mutagenesis-guided modeling suggest a highly conserved copper-binding motif in human OR2M3. Cellular and Molecular Life Sciences, 2020, 77, 2157-2179.	2.4	29
32	Allosteric Motions of the CRISPRâ€“Cas9 HNH Nuclease Probed by NMR and Molecular Dynamics. Journal of the American Chemical Society, 2020, 142, 1348-1358.	6.6	78
33	NMR and computational methods for molecular resolution of allosteric pathways in enzyme complexes. Biophysical Reviews, 2020, 12, 155-174.	1.5	35
34	Multihole water oxidation catalysis on haematite photoanodes revealed by operando spectroelectrochemistry and DFT. Nature Chemistry, 2020, 12, 82-89.	6.6	189
35	Ring-polymer, centroid, and mean-field approximations to multi-time Matsubara dynamics. Journal of Chemical Physics, 2020, 153, 124112.	1.2	11
36	Vibronic Dynamics of Photodissociating ICN from Simulations of Ultrafast Xâ€Ray Absorption Spectroscopy. Angewandte Chemie - International Edition, 2020, 59, 20044-20048.	7.2	5

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37	Regulation of MIF Enzymatic Activity by an Allosteric Site at the Central Solvent Channel. Cell Chemical Biology, 2020, 27, 740-750.e5.	2.5	20
38	Vibronic Dynamics of Photodissociating ICN from Simulations of Ultrafast Xâ€Ray Absorption Spectroscopy. Angewandte Chemie, 2020, 132, 20219-20223.	1.6	3
39	Two-dimensional Raman spectroscopy of Lennard-Jones liquids via ring-polymer molecular dynamics. Journal of Chemical Physics, 2020, 153, 034117.	1.2	9
40	D1-S169A substitution of photosystem II reveals a novel S2-state structure. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148301.	0.5	4
41	A conductive metalâ€“organic framework photoanode. Chemical Science, 2020, 11, 9593-9603.	3.7	16
42	In Situ Identification of Reaction Intermediates and Mechanistic Understandings of Methane Oxidation over Hematite: A Combined Experimental and Theoretical Study. Journal of the American Chemical Society, 2020, 142, 17119-17130.	6.6	59
43	Electric field stimulates production of highly conductive microbial OmcZ nanowires. Nature Chemical Biology, 2020, 16, 1136-1142.	3.9	112
44	Efficient Multiphoton Sampling of Molecular Vibronic Spectra on a Superconducting Bosonic Processor. Physical Review X, 2020, 10, .	2.8	73
45	The Effect of (â^')-Epigallocatechin-3-Gallate on the Amyloid-Î² Secondary Structure. Biophysical Journal, 2020, 119, 349-359.	0.2	18
46	Semiconductor-to-conductor transition in 2D copper(<scp>ii</scp>) oxide nanosheets through surface sulfur-functionalization. Nanoscale, 2020, 12, 14549-14559.	2.8	6
47	Surprisingly big linker-dependence of activity and selectivity in CO₂ reduction by an iridium(<scp>i</scp>) pincer complex. Chemical Communications, 2020, 56, 9126-9129.	2.2	10
48	Identification of a Na⁺-Binding Site near the Oxygen-Evolving Complex of Spinach Photosystem II. Biochemistry, 2020, 59, 2823-2831.	1.2	5
49	Robust Binding of Disulfide-Substituted Rhenium Bipyridyl Complexes for CO2 Reduction on Gold Electrodes. Frontiers in Chemistry, 2020, 8, 86.	1.8	7
50	Decelerating Charge Recombination Using Fluorinated Porphyrins in N,N-Bis(3,4,5-trimethoxyphenyl)anilineâ€”Aluminum(III) Porphyrinâ€”Fullerene Reaction Center Models. Journal of the American Chemical Society, 2020, 142, 10008-10024.	6.6	33
51	Allosteric Impact of the Variable Insert Loop in Vaccinia H1-Related (VHR) Phosphatase. Biochemistry, 2020, 59, 1896-1908.	1.2	5
52	Decrypting the Information Exchange Pathways across the Spliceosome Machinery. Journal of the American Chemical Society, 2020, 142, 8403-8411.	6.6	35
53	Allosteric Control of Enzyme Activity: From Ancient Origins to Recent Gene-Editing Technologies. Biochemistry, 2020, 59, 1711-1712.	1.2	3
54	Facet-Dependent Kinetics and Energetics of Hematite for Solar Water Oxidation Reactions. ACS Applied Materials & Interfaces, 2019, 11, 5616-5622.	4.0	46

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55	Catalytic manganese oxide nanostructures for the reverse water gas shift reaction. Nanoscale, 2019, 11, 16677-16688.	2.8	31
56	The JPC Periodic Table. Journal of Physical Chemistry A, 2019, 123, 5837-5848.	1.1	2
57	The JPC Periodic Table. Journal of Physical Chemistry B, 2019, 123, 5973-5984.	1.2	1
58	The JPC Periodic Table. Journal of Physical Chemistry C, 2019, 123, 17063-17074.	1.5	1
59	The JPC Periodic Table. Journal of Physical Chemistry Letters, 2019, 10, 4051-4062.	2.1	2
60	Multi-time formulation of Matsubara dynamics. Journal of Chemical Physics, 2019, 151, 034108.	1.2	14
61	Thermodynamics of the S₂-to-S₃ state transition of the oxygen-evolving complex of photosystem II. Physical Chemistry Chemical Physics, 2019, 21, 20840-20848.	1.3	21
62	Strongly Coupled Phenazineâ€“Porphyrin Dyads: Light-Harvesting Molecular Assemblies with Broad Absorption Coverage. ACS Applied Materials & Interfaces, 2019, 11, 8000-8008.	4.0	36
63	D1-S169A Substitution of Photosystem II Perturbs Water Oxidation. Biochemistry, 2019, 58, 1379-1387.	1.2	18
64	Hammett neural networks: prediction of frontier orbital energies of tungstenâ€“benzylidyne photoredox complexes. Chemical Science, 2019, 10, 6844-6854.	3.7	13
65	Chiral Inversion of Amino Acids in Antiparallel Î²-Sheets at Interfaces Probed by Vibrational Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry B, 2019, 123, 5769-5781.	1.2	20
66	Vibronic Effects in the Ultrafast Interfacial Electron Transfer of Perylene-Sensitized TiO₂ Surfaces. Journal of Physical Chemistry C, 2019, 123, 12599-12607.	1.5	15
67	Heterogenized Molecular Catalysts: Vibrational Sum-Frequency Spectroscopic, Electrochemical, and Theoretical Investigations. Accounts of Chemical Research, 2019, 52, 1289-1300.	7.6	53
68	Search for Catalysts by Inverse Design: Artificial Intelligence, Mountain Climbers, and Alchemists. Chemical Reviews, 2019, 119, 6595-6612.	23.0	142
69	Regioselective Ultrafast Photoinduced Electron Transfer from Naphthols to Halocarbon Solvents. Journal of Physical Chemistry Letters, 2019, 10, 2657-2662.	2.1	10
70	Effect of Electronic Coupling on Electron Transfer Rates from Photoexcited Naphthalenediimide Radical Anion to Re(bpy)(CO)₃X. Journal of Physical Chemistry C, 2019, 123, 10178-10190.	1.5	10
71	Water Network Dynamics Next to the Oxygen-Evolving Complex of Photosystem II. Inorganics, 2019, 7, 39.	1.2	15
72	Collaboration between experiment and theory in solar fuels research. Chemical Society Reviews, 2019, 48, 1865-1873.	18.7	17

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73	Exploring Allosteric Pathways of a V-Type Enzyme with Dynamical Perturbation Networks. Journal of Physical Chemistry B, 2019, 123, 3452-3461.	1.2	29
74	Relative stability of the S2 isomers of the oxygen evolving complex of photosystem II. Photosynthesis Research, 2019, 141, 331-341.	1.6	18
75	Atmospheric Î²-Caryophyllene-Derived Ozonolysis Products at Interfaces. ACS Earth and Space Chemistry, 2019, 3, 158-169.	1.2	10
76	High-Energy Charge-Separated States by Reductive Electron Transfer Followed by Electron Shift in the Tetraphenylethyleneâ€“Aluminum(III) Porphyrinâ€“Fullerene Triad. Journal of Physical Chemistry C, 2019, 123, 131-143.	1.5	24
77	Photoexcited radical anion super-reductants for solar fuels catalysis. Coordination Chemistry Reviews, 2018, 361, 98-119.	9.5	49
78	Floquet Study of Quantum Control of the Cisâ€“Trans Photoisomerization of Rhodopsin. Journal of Chemical Theory and Computation, 2018, 14, 1198-1205.	2.3	10
79	Nitrogen-doped tungsten carbide nanoarray as an efficient bifunctional electrocatalyst for water splitting in acid. Nature Communications, 2018, 9, 924.	5.8	571
80	Stable iridium dinuclear heterogeneous catalysts supported on metal-oxide substrate for solar water oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2902-2907.	3.3	229
81	Nanosecond Dynamics Regulate the MIFâ€Induced Activity of CD74. Angewandte Chemie - International Edition, 2018, 57, 7116-7119.	7.2	32
82	Molecular mechanism of activation of human musk receptors OR5AN1 and OR1A1 by (R) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Sciences of the United States of America, 2018, 115, E3950-E3958.	3.3	57
83	Direct Interfacial Electron Transfer from High-Potential Porphyrins into Semiconductor Surfaces: A Comparison of Linkers and Anchoring Groups. Journal of Physical Chemistry C, 2018, 122, 13529-13539.	1.5	31
84	Investigating the Role of Copper Oxide in Electrochemical CO₂ Reduction in Real Time. ACS Applied Materials & Interfaces, 2018, 10, 8574-8584.	4.0	207
85	Active sites of copper-complex catalytic materials for electrochemical carbon dioxide reduction. Nature Communications, 2018, 9, 415.	5.8	527
86	Hydrophobic CuO Nanosheets Functionalized with Organic Adsorbates. Journal of the American Chemical Society, 2018, 140, 1824-1833.	6.6	59
87	Can TDDFT Describe Excited Electronic States of Naphthol Photoacids? A Closer Look with EOM-CCSD. Journal of Chemical Theory and Computation, 2018, 14, 867-876.	2.3	27
88	Classical Optimal Control for Energy Minimization Based On Diffeomorphic Modulation under Observable-Response-Preserving Homotopy. Journal of Chemical Theory and Computation, 2018, 14, 3351-3362.	2.3	4
89	Phenothiazine Radical Cation Excited States as Super-oxidants for Energy-Demanding Reactions. Journal of the American Chemical Society, 2018, 140, 5290-5299.	6.6	89
90	Carbon chain shape selectivity by the mouse olfactory receptor OR-I7. Organic and Biomolecular Chemistry, 2018, 16, 2541-2548.	1.5	10

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91	Dopant-Dependent SFG Response of Rhenium CO₂ Reduction Catalysts Chemisorbed on SrTiO₃ (100) Single Crystals. Journal of Physical Chemistry C, 2018, 122, 13944-13952.	1.5	10
92	Mechanistic study of CO/CO 2 conversion catalyzed by a biomimetic Ni(II)â€iminothiolate complex. International Journal of Quantum Chemistry, 2018, 118, e25555.	1.0	2
93	Electronâ€“Hole-Pair-Induced Vibrational Energy Relaxation of Rhenium Catalysts on Gold Surfaces. Journal of Physical Chemistry Letters, 2018, 9, 406-412.	2.1	22
94	Inverse Design of a Catalyst for Aqueous CO/CO₂ Conversion Informed by the Ni^{II}â€“Iminothiolate Complex. Inorganic Chemistry, 2018, 57, 15474-15480.	1.9	13
95	CO₂ Reduction Catalysts on Gold Electrode Surfaces Influenced by Large Electric Fields. Journal of the American Chemical Society, 2018, 140, 17643-17655.	6.6	103
96	Eigenvector centrality for characterization of protein allosteric pathways. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12201-E12208.	3.3	145
97	Reduced Occupancy of the Oxygen-Evolving Complex of Photosystem II Detected in Cryo-Electron Microscopy Maps. Biochemistry, 2018, 57, 5925-5929.	1.2	3
98	The structural basis for cancer drug interactions with the catalytic and allosteric sites of SAMHD1. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10022-E10031.	3.3	30
99	Distinct Binding of Rhenium Catalysts on Nanostructured and Single-Crystalline TiO₂ Surfaces Revealed by Two-Dimensional Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 26018-26031.	1.5	8
100	Unusual Stability of a Bacteriochlorin Electrocatalyst under Reductive Conditions. A Case Study on CO₂ Conversion to CO. ACS Catalysis, 2018, 8, 10131-10136.	5.5	28
101	Key role of the REC lobe during CRISPRâ€“Cas9 activation by â€˜sensingâ€™, â€˜regulatingâ€™, and â€˜lockingâ€™ the catalytic HNH domain. Quarterly Reviews of Biophysics, 2018, 51, .	2.4	79
102	A Multispecific Investigation of the Metal Effect in Mammalian Odorant Receptors for Sulfur-Containing Compounds. Chemical Senses, 2018, 43, 357-366.	1.1	7
103	Ultrafast proton-assisted tunneling through ZrO₂ in dye-sensitized SnO₂-core/ZrO₂-shell films. Chemical Communications, 2018, 54, 7971-7974.	2.2	5
104	End-On Bound Iridium Dinuclear Heterogeneous Catalysts on WO₃ for Solar Water Oxidation. ACS Central Science, 2018, 4, 1166-1172.	5.3	69
105	Inclusion of nuclear quantum effects for simulations of nonlinear spectroscopy. Journal of Chemical Physics, 2018, 148, 244105.	1.2	16
106	Water-Nucleophilic Attack Mechanism for the Cu^{II}(pyalk)₂ Water-Oxidation Catalyst. ACS Catalysis, 2018, 8, 7952-7960.	5.5	37
107	Nanosecond Dynamics Regulate the MIFâ€Induced Activity of CD74. Angewandte Chemie, 2018, 130, 7234-7237.	1.6	2
108	Behavior of Ruâ€“bda Waterâ€Oxidation Catalysts in Low Oxidation States. Chemistry - A European Journal, 2018, 24, 12838-12847.	1.7	27

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109	Orientations of nonlocal vibrational modes from combined experimental and theoretical sum frequency spectroscopy. Chemical Physics Letters, 2017, 683, 199-204.	1.2	8
110	Energetics of the S₂ State Spin Isomers of the Oxygen-Evolving Complex of Photosystem II. Journal of Physical Chemistry B, 2017, 121, 1020-1025.	1.2	38
111	Insights into Photosystem II from Isomorphous Difference Fourier Maps of Femtosecond X-ray Diffraction Data and Quantum Mechanics/Molecular Mechanics Structural Models. ACS Energy Letters, 2017, 2, 397-407.	8.8	16
112	Electrochemical Reduction of CO₂ Catalyzed by Re(pyridine-oxazoline)(CO)₃Cl Complexes. Inorganic Chemistry, 2017, 56, 3214-3226.	1.9	48
113	Photoinduced electron transfer from rylenediimide radical anions and dianions to Re(bpy)(CO)₃ using red and near-infrared light. Chemical Science, 2017, 8, 3821-3831.	3.7	57
114	Altering the allosteric pathway in IGPS suppresses millisecond motions and catalytic activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3414-E3423.	3.3	55
115	Inferring Protonation States of Hydroxamate Adsorbates on TiO₂ Surfaces. Journal of Physical Chemistry C, 2017, 121, 11985-11990.	1.5	5
116	The role of metals in mammalian olfaction of low molecular weight organosulfur compounds. Natural Product Reports, 2017, 34, 529-557.	5.2	33
117	Ultrafast photo-induced charge transfer of 1-naphthol and 2-naphthol to halocarbon solvents. Chemical Physics Letters, 2017, 683, 49-56.	1.2	8
118	Mechanistic Insights into Surface Chemical Interactions between Lithium Polysulfides and Transition Metal Oxides. Journal of Physical Chemistry C, 2017, 121, 14222-14227.	1.5	86
119	Antimony Complexes for Electrocatalysis: Activity of a Mainâ€Group Element in Proton Reduction. Angewandte Chemie - International Edition, 2017, 56, 9111-9115.	7.2	51
120	Interfacial Electron Transfer Followed by Photooxidation in N,N-Bis(p-anisole)aminopyridineâ€“Aluminum(III) Porphyrinâ€“Titanium(IV) Oxide Self-Assembled Photoanodes. Journal of Physical Chemistry C, 2017, 121, 14484-14497.	1.5	12
121	Probing the remarkable thermal kinetics of visual rhodopsin with E181Q and S186A mutants. Journal of Chemical Physics, 2017, 146, 215104.	1.2	6
122	Effects of aligned Î±â€helix peptide dipoles on experimental electrostatic potentials. Protein Science, 2017, 26, 1692-1697.	3.1	7
123	Unanticipated Stickiness of Î±-Pinene. Journal of Physical Chemistry A, 2017, 121, 3239-3246.	1.1	14
124	Ultrathin dendrimerâ€“graphene oxide composite film for stable cycling lithiumâ€“sulfur batteries. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3578-3583.	3.3	90
125	Characterization of Protein Tyrosine Phosphatase 1B Inhibition by Chlorogenic Acid and Cichoric Acid. Biochemistry, 2017, 56, 96-106.	1.2	18
126	The O₂-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. Accounts of Chemical Research, 2017, 50, 41-48.	7.6	168

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127	Thousandfold Enhancement of Photoreduction Lifetime in Re(bpy)(CO)₃ via Spin-Dependent Electron Transfer from a Perylenediimide Radical Anion Donor. Journal of the American Chemical Society, 2017, 139, 16466-16469.	6.6	20
128	On the relationship between cumulative correlation coefficients and the quality of crystallographic data sets. Protein Science, 2017, 26, 2410-2416.	3.1	7
129	Robust resistive memory devices using solution-processable metal-coordinated azoÂaromatics. Nature Materials, 2017, 16, 1216-1224.	13.3	244
130	Electronic Ï€-Delocalization Boosts Catalytic Water Oxidation by Cu(II) Molecular Catalysts Heterogenized on Graphene Sheets. Journal of the American Chemical Society, 2017, 139, 12907-12910.	6.6	108
131	X-ray Free Electron Laser Radiation Damage through the S-State Cycle of the Oxygen-Evolving Complex of Photosystem II. Journal of Physical Chemistry B, 2017, 121, 9382-9388.	1.2	14
132	Crystallographic Data Support the Carousel Mechanism of Water Supply to the Oxygen-Evolving Complex of Photosystem II. ACS Energy Letters, 2017, 2, 2299-2306.	8.8	58
133	Linker Length-Dependent Electron-Injection Dynamics of Trimesitylporphyrins on SnO₂ Films. Journal of Physical Chemistry C, 2017, 121, 22690-22699.	1.5	13
134	Protospacer Adjacent Motif-Induced Allostery Activates CRISPR-Cas9. Journal of the American Chemical Society, 2017, 139, 16028-16031.	6.6	104
135	Antimony Complexes for Electrocatalysis: Activity of a Mainâ€Group Element in Proton Reduction. Angewandte Chemie, 2017, 129, 9239-9243.	1.6	12
136	Charge Transport and Rectification in Donorâ€“Acceptor Dyads. Journal of Physical Chemistry C, 2017, 121, 19053-19062.	1.5	20
137	Tensor-Train Split-Operator Fourier Transform (TT-SOFT) Method: Multidimensional Nonadiabatic Quantum Dynamics. Journal of Chemical Theory and Computation, 2017, 13, 4034-4042.	2.3	84
138	Hard templating ultrathin polycrystalline hematite nanosheets: effect of nano-dimension on CO₂ to CO conversion via the reverse water-gas shift reaction. Nanoscale, 2017, 9, 12984-12995.	2.8	36
139	Interfacial Structure and Electric Field Probed by in Situ Electrochemical Vibrational Stark Effect Spectroscopy and Computational Modeling. Journal of Physical Chemistry C, 2017, 121, 18674-18682.	1.5	77
140	Characterization of ammonia binding to the second coordination shell of the oxygen-evolving complex of photosystem II. Dalton Transactions, 2017, 46, 16089-16095.	1.6	12
141	Electron Transfer Assisted by Vibronic Coupling from Multiple Modes. Journal of Chemical Theory and Computation, 2017, 13, 6000-6009.	2.3	41
142	Tripletâ€“triplet energy transfer in artificial and natural photosynthetic antennas. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5513-E5521.	3.3	24
143	Thermodynamic and Structural Factors That Influence the Redox Potentials of Tungstenâ€“Alkylidyne Complexes. ACS Catalysis, 2017, 7, 6134-6143.	5.5	7
144	Electrode-Ligand Interactions Dramatically Enhance CO₂ Conversion to CO by the [Ni(cyclam)](PF₆)₂ Catalyst. ACS Catalysis, 2017, 7, 5282-5288.	5.5	43

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145	A full set of iridium(<scp>iv</scp>) pyridine-alkoxide stereoisomers: highly geometry-dependent redox properties. Chemical Science, 2017, 8, 1642-1652.	3.7	32
146	Is the Supporting Information the Venue for Reproducibility and Transparency?. Journal of Physical Chemistry A, 2017, 121, 9680-9681.	1.1	1
147	Is the Supporting Information the Venue for Reproducibility and Transparency?. Journal of Physical Chemistry C, 2017, 121, 28212-28213.	1.5	1
148	Is the Supporting Information the Venue for Reproducibility and Transparency?. Journal of Physical Chemistry B, 2017, 121, 11425-11426.	1.2	2
149	New Insights from Sum Frequency Generation Vibrational Spectroscopy into the Interactions of Islet Amyloid Polypeptides with Lipid Membranes. Journal of Diabetes Research, 2016, 2016, 1-17.	1.0	17
150	Heterogenized Iridium Water-Oxidation Catalyst from a Silatrane Precursor. ACS Catalysis, 2016, 6, 5371-5377.	5.5	79
151	Allosteric Pathways in the PPARÎ³-RXRÎ± nuclear receptor complex. Scientific Reports, 2016, 6, 19940.	1.6	39
152	High-Potential Porphyrins Supported on SnO₂ and TiO₂ Surfaces for Photoelectrochemical Applications. Journal of Physical Chemistry C, 2016, 120, 28971-28982.	1.5	28
153	Ultraviolet vision: photophysical properties of the unprotonated retinyl Schiff base in the Siberian hamster cone pigment. Theoretical Chemistry Accounts, 2016, 135, 1.	0.5	5
154	Time-Sliced Thawed Gaussian Propagation Method for Simulations of Quantum Dynamics. Journal of Physical Chemistry A, 2016, 120, 3260-3269.	1.1	20
155	Solution Structures of Highly Active Molecular Ir Water-Oxidation Catalysts from Density Functional Theory Combined with High-Energy X-ray Scattering and EXAFS Spectroscopy. Journal of the American Chemical Society, 2016, 138, 5511-5514.	6.6	63
156	Fabrication of Modularly Functionalizable Microcapsules Using Protein-Based Technologies. ACS Biomaterials Science and Engineering, 2016, 2, 1856-1861.	2.6	23
157	Smelling Sulfur: Copper and Silver Regulate the Response of Human Odorant Receptor OR2T11 to Low-Molecular-Weight Thiols. Journal of the American Chemical Society, 2016, 138, 13281-13288.	6.6	60
158	Hot Hole Hopping in a Polyoxotitanate Cluster Terminated with Catechol Electron Donors. Journal of Physical Chemistry C, 2016, 120, 20006-20015.	1.5	14
159	Controlling the rectification properties of molecular junctions through moleculeâ€“electrode coupling. Nanoscale, 2016, 8, 16357-16362.	2.8	33
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