Julien A Panetier

List of Publications by Year
in descending order

20 papers	1,181 citations	566801 15 h-index	676716 22 g-index
24 all docs	24 docs citations	24 times ranked	1641 citing authors

#	Article	IF	Citations
1	Catalytic proton reduction with transition metal complexes of the redox-active ligand bpy2PYMe. Chemical Science, 2013, 4, 3934.	3.7	166
2	A Highly Reactive Rhodium(I)â€“Boryl Complex as a Useful Tool for Cï£¿H Bond Activation and Catalytic Cï£¿F Bond Borylation. Angewandte Chemie - International Edition, 2010, 49, 3947-3951.	7.2	159
3	Synergistic Effects of Imidazolium-Functionalization on fac-Mn(CO)₃ Bipyridine Catalyst Platforms for Electrocatalytic Carbon Dioxide Reduction. Journal of the American Chemical Society, 2019, 141, 6569-6582.	6.6	104
4	Mechanism of the Electrocatalytic Reduction of Protons with Diaryldithiolene Cobalt Complexes. Journal of the American Chemical Society, 2014, 136, 9364-9376.	6.6	102
5	Bioinspired design of redox-active ligands for multielectron catalysis: effects of positioning pyrazine reservoirs on cobalt for electro- and photocatalytic generation of hydrogen from water. Chemical Science, 2015, 6, 4954-4972.	3.7	99
6	CF₃â€“Ph Reductive Elimination from [(Xantphos)Pd(CF₃)(Ph)]. Organometallics, 2012, 31, 1315-1328.	1.1	89
7	Catalytic Hydrodefluorination of Pentafluorobenzene by [Ru(NHC)(PPh₃)₂(CO)H₂]: A Nucleophilic Attack by a Metalâ€Bound Hydride Ligand Explains an Unusual orthoâ€Regioselectivity. Angewandte Chemie - International Edition, 2011, 50, 2783-2786.	7.2	76
8	Electrocatalytic CO₂ reduction with nickel complexes supported by tunable bipyridyl-N-heterocyclic carbene donors: understanding redox-active macrocycles. Chemical Communications, 2018, 54, 3351-3354.	2.2	60
9	Rhodium(I) Silyl Complexes for Câ€“F Bond Activation Reactions of Aromatic Compounds: Experimental and Computational Studies. Organometallics, 2013, 32, 3795-3807.	1.1	55
10	Robust and Selective Cobalt Catalysts Bearing Redox-Active Bipyridyl-N-heterocyclic Carbene Frameworks for Electrochemical CO₂ Reduction in Aqueous Solutions. ACS Catalysis, 2019, 9, 7398-7408.	5.5	52
11	Functionalized Graphene as a Gatekeeper for Chiral Molecules: An Alternative Concept for Chiral Separation. Angewandte Chemie - International Edition, 2014, 53, 9957-9960.	7.2	44
12	Computational study of the hydrodefluorination of fluoroarenes at [Ru(NHC)(PR3)2(CO)(H)2]: predicted scope and regioselectivities. Dalton Transactions, 2013, 42, 7386.	1.6	42
13	Computational Characterization of Redox Non-Innocence in Cobalt-Bis(Diaryldithiolene)-Catalyzed Proton Reduction. Journal of Chemical Theory and Computation, 2016, 12, 223-230.	2.3	30
14	Computational Study of an Iron(II) Polypyridine Electrocatalyst for CO₂ Reduction: Key Roles for Intramolecular Interactions in CO₂ Binding and Proton Transfer. Inorganic Chemistry, 2020, 59, 8146-8160.	1.9	23
15	Directional Templating Mechanisms of Anisotropic Nanoparticles Using Poly(pyromellitic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.5	11
16	Switchable Product Selectivity in Diazoalkane Coupling Catalyzed by a Two-Coordinate Cobalt Complex. ACS Catalysis, 2021, 11, 11160-11170.	5.5	6
17	Computational study on the reactivity of imidazolium-functionalized manganese bipyridyl tricarbonyl electrocatalysts [Mn[bpyMe(Im-R)](CO)₃Br]⁺ (R = Me, Me₂ and) Tj ETQq1 1 0.784314 rgBT /O Chemistry Chemical Physics, 2021, 23, 14940-14951.	1.3	6
18	Computational Study for CO₂-to-CO Conversion over Proton Reduction Using [Re[bpyMe(Im-R)](CO)₃Cl]⁺ (R = Me, Me₂, and Me₄) Electrocatalysts and Comparison with Manganese Analogues. ACS Catalysis, 2021, 11, 12989-13000.	5.5	5

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19	Mechanistic Study of Tungsten Bipyridyl Tetracarbonyl Electrocatalysts for CO2 Fixation: Exploring the Roles of Explicit Proton Sources and Substituent Effects. Topics in Catalysis, 2022, 65, 325-340.	1.3	4
20	Chapter 2. Computational Studies on the Reactivity of Transition Metal Complexes Featuring N-Heterocyclic Carbene Ligands. RSC Catalysis Series, 2010, , 42-76.	0.1	0