

Michael L Pegis

List of Publications by Year in descending order

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16
papers

1,956
citations

567281

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888059

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docs citations

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times ranked

2367
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen Reduction by Homogeneous Molecular Catalysts and Electrocatalysts. <i>Chemical Reviews</i> , 2018, 118, 2340-2391.	47.7	483
2	A pyridinic Fe-N4 macrocycle models the active sites in Fe/N-doped carbon electrocatalysts. <i>Nature Communications</i> , 2020, 11, 5283.	12.8	286
3	Standard Reduction Potentials for Oxygen and Carbon Dioxide Couples in Acetonitrile and <i>N,N</i> -Dimethylformamide. <i>Inorganic Chemistry</i> , 2015, 54, 11883-11888.	4.0	189
4	Homogenous Electrocatalytic Oxygen Reduction Rates Correlate with Reaction Overpotential in Acidic Organic Solutions. <i>ACS Central Science</i> , 2016, 2, 850-856.	11.3	150
5	Medium Effects Are as Important as Catalyst Design for Selectivity in Electrocatalytic Oxygen Reduction by Iron-Porphyrin Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 4296-4299.	13.7	117
6	Molecular Cobalt Catalysts for O_2 Reduction: Low-Overpotential Production of H_2O_2 and Comparison with Iron-Based Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 16458-16461.	13.7	101
7	Rational Design of Mononuclear Iron Porphyrins for Facile and Selective $4e^-/4H^+ O_2$ Reduction: Activation of $O-O$ Bond by 2nd Sphere Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2018, 140, 9444-9457.	13.7	99
8	Mechanism of Catalytic O_2 Reduction by Iron Tetraphenylporphyrin. <i>Journal of the American Chemical Society</i> , 2019, 141, 8315-8326.	13.7	99
9	Direct Comparison of Electrochemical and Spectrochemical Kinetics for Catalytic Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2014, 136, 12544-12547.	13.7	98
10	Identifying and Breaking Scaling Relations in Molecular Catalysis of Electrochemical Reactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 11000-11003.	13.7	89
11	Highly Active NiO Photocathodes for H_2O_2 Production Enabled via Outer-Sphere Electron Transfer. <i>Journal of the American Chemical Society</i> , 2018, 140, 4079-4084.	13.7	66
12	Developing Scaling Relationships for Molecular Electrocatalysis through Studies of Fe-Porphyrin-Catalyzed O_2 Reduction. <i>Accounts of Chemical Research</i> , 2020, 53, 1056-1065.	15.6	65
13	Graphite-Conjugated Acids Reveal a Molecular Framework for Proton-Coupled Electron Transfer at Electrode Surfaces. <i>ACS Central Science</i> , 2019, 5, 831-841.	11.3	41
14	Interfacial Field-Driven Proton-Coupled Electron Transfer at Graphite-Conjugated Organic Acids. <i>Journal of the American Chemical Society</i> , 2020, 142, 20855-20864.	13.7	37
15	Molecular Magnetic Resonance Imaging of Nitric Oxide in Biological Systems. <i>ACS Sensors</i> , 2020, 5, 1674-1682.	7.8	18
16	Synthesis and Reactivity of Tripodal Complexes Containing Pendant Bases. <i>Inorganic Chemistry</i> , 2014, 53, 9242-9253.	4.0	16