

Daniel J Martin

List of Publications by Year in descending order

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14
papers

1,286
citations

759233

12
h-index

996975

15
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15
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docs citations

15
times ranked

1564
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 | Electrochemical Reduction of Brønsted Acids by Glassy Carbon in Acetonitrile—Implications for Electrocatalytic Hydrogen Evolution. <i>Inorganic Chemistry</i> , 2014, 53, 8350-8361. | 4.0 | 211 |
| 3 | 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 |
| 4 | Mechanism of Catalytic O_2 Reduction by Iron Tetraphenylporphyrin. <i>Journal of the American Chemical Society</i> , 2019, 141, 8315-8326. | 13.7 | 99 |
| 5 | Linear Free Energy Relationships in the Hydrogen Evolution Reaction: Kinetic Analysis of a Cobaloxime Catalyst. <i>ACS Catalysis</i> , 2016, 6, 3326-3335. | 11.2 | 89 |
| 6 | 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 |
| 7 | Oriented Electrostatic Effects on O_2 and CO_2 Reduction by a Polycationic Iron Porphyrin. <i>Journal of the American Chemical Society</i> , 2021, 143, 11423-11434. | 13.7 | 64 |
| 8 | Electrochemical hydrogenation of a homogeneous nickel complex to form a surface adsorbed hydrogen-evolving species. <i>Chemical Communications</i> , 2015, 51, 5290-5293. | 4.1 | 47 |
| 9 | Combining scaling relationships overcomes rate versus overpotential trade-offs in O_2 molecular electrocatalysis. <i>Science Advances</i> , 2020, 6, eaaz3318. | 10.3 | 46 |
| 10 | Qualitative extension of the EC 2 Zone Diagram to a molecular catalyst for a multi-electron, multi-substrate electrochemical reaction. <i>Dalton Transactions</i> , 2016, 45, 9970-9976. | 3.3 | 37 |
| 11 | Intramolecular Electrostatic Effects on O_2 , CO_2 , and Acetate Binding to a Cationic Iron Porphyrin. <i>Inorganic Chemistry</i> , 2020, 59, 17402-17414. | 4.0 | 20 |
| 12 | All Four Atropisomers of Iron Tetra(<i>o</i> - <i>N</i> , <i>N</i> , <i>N</i> -trimethylanilinium)porphyrin in Both the Ferric and Ferrous States. <i>Inorganic Chemistry</i> , 2021, 60, 5240-5251. | 4.0 | 14 |
| 13 | Synthesis and electrochemical characterization of a tridentate Schiff-base ligated Fe(II) complex. <i>Polyhedron</i> , 2016, 114, 200-204. | 2.2 | 10 |
| 14 | Synthesis and Prior Misidentification of 4- <i>tert</i> -Butyl-2,6-dinitrobenzaldehyde. <i>Journal of Organic Chemistry</i> , 2019, 84, 12172-12176. | 3.2 | 1 |