

Elliott B Hulley

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

706
citations

623734

14
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

936
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A Cobalt Hydride Catalyst for the Hydrogenation of CO ₂ : Pathways for Catalysis and Deactivation. ACS Catalysis, 2014, 4, 3755-3762. | 11.2 | 102 |
| 2 | Rapid, Reversible Heterolytic Cleavage of Bound H ₂ . Journal of the American Chemical Society, 2013, 135, 11736-11739. | 13.7 | 67 |
| 3 | Olefin Substitution in (silox) ₃ M(olefin) (silox = ^t Bu ₃ SiO); Tj ETQq1 1 0.784314 rgBT /O of the American Chemical Society, 2008, 130, 1183-1196. | 13.7 | 48 |
| 4 | Iron Complexes for the Electrocatalytic Oxidation of Hydrogen: Tuning Primary and Secondary Coordination Spheres. ACS Catalysis, 2014, 4, 1246-1260. | 11.2 | 47 |
| 5 | Heterolytic cleavage of H ₂ by bifunctional manganese(ⁱ) complexes: impact of ligand dynamics, electrophilicity, and base positioning. Chemical Science, 2014, 5, 4729-4741. | 7.4 | 44 |
| 6 | Carbon–Carbon Bond Formation from Azaallyl and Imine Couplings about Metal–Metal Bonds. Journal of the American Chemical Society, 2011, 133, 18058-18061. | 13.7 | 43 |
| 7 | Manganese-Based Molecular Electrocatalysts for Oxidation of Hydrogen. ACS Catalysis, 2015, 5, 6838-6847. | 11.2 | 43 |
| 8 | Understanding the Relationship Between Kinetics and Thermodynamics in CO ₂ Hydrogenation Catalysis. ACS Catalysis, 2017, 7, 6008-6017. | 11.2 | 43 |
| 9 | Increasing the rate of hydrogen oxidation without increasing the overpotential: a bio-inspired iron molecular electrocatalyst with an outer coordination sphere proton relay. Chemical Science, 2015, 6, 2737-2745. | 7.4 | 40 |
| 10 | The Influence of the Second and Outer Coordination Spheres on Rh(diphosphine) ₂ CO ₂ Hydrogenation Catalysts. ACS Catalysis, 2014, 4, 3663-3670. | 11.2 | 37 |
| 11 | Iron Complexes Bearing Diphosphine Ligands with Positioned Pendant Amines as Electrocatalysts for the Oxidation of H ₂ . Organometallics, 2015, 34, 2747-2764. | 2.3 | 37 |
| 12 | Pnictogen-Hydride Activation by (silox) ₃ Ta (silox = ^t Bu ₃ SiO); Attempts to Circumvent the Constraints of Orbital Symmetry in N ₂ Activation. Inorganic Chemistry, 2010, 49, 8524-8544. | 4.0 | 30 |
| 13 | Exploring the limits of redox non-innocence: pseudo square planar [⁴ -Me ₂ C(CH ₂ Ni ^{CH} py) ₂ Ni] _n (n = 2+), Tj ETQq1 1 0.784314 rgBT /O | 7.4 | 27 |
| 14 | [(silox) ₃ M] ₂ (¹ / ₄ - ¹ , ¹ -P ₂) (M = Nb, Ta) and [(silox) ₃ Nb] ₂ { ¹ / ₄ - ¹ , ¹ -2, ¹ -2-(cP ₃ –cP ₃)} from (silox) ₃ M (M = NbPM ₃ , Ta) and P ₄ (silox = ^t Bu ₃ SiO). Chemical Communications, 2009, , 6412. | 4.1 | 26 |
| 15 | Application of ⁹³ Nb NMR spectroscopy to (silox) ₃ Nb(Xn/Lm) complexes (silox = ^t Bu ₃ SiO): Where does (silox) ₃ Nb(NN)Nb(silox) ₃ appear?. Polyhedron, 2016, 103, 105-114. | 2.2 | 12 |
| 16 | Absolute Estimates of PdII(¹ -2-Arene) C–H Acidity. Organometallics, 2018, 37, 2706-2715. | 2.3 | 12 |
| 17 | A Terminal Rh Methylidene from Activation of CH ₂ Cl ₂ . Organometallics, 2020, 39, 2356-2364. | 2.3 | 9 |
| 18 | Disparate reactivity from isomeric {Me ₂ C(CH ₂ NCHpy) ₂ } and {Me ₂ C(CH ₂ NCH ₂ py) ₂ } chelates in iron complexation. Polyhedron, 2014, 84, 182-191. | 2.2 | 8 |

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|----|---|-----|-----------|
| 19 | Electrostatic polarization of nonpolar substrates: a study of interactions between simple cations and Mo-bound N ₂ . Dalton Transactions, 2019, 48, 11004-11017. | 3.3 | 8 |
| 20 | Alkali Metal Intercalation and Reduction of Layered WO ₂ Cl ₂ . Chemistry of Materials, 2020, 32, 10482-10488. | 6.7 | 6 |
| 21 | Tridentate phosphine ligands bearing aza-crown ether lariats. Polyhedron, 2018, 141, 385-392. | 2.2 | 6 |
| 22 | Azaallyl-derived ring formation via redox coupling in first row transition metals. Polyhedron, 2019, 158, 225-233. | 2.2 | 5 |
| 23 | Ligand dynamics and protonation preferences of Rh and Ir complexes bearing an almost, but not quite, pendent base. Dalton Transactions, 2018, 47, 2670-2682. | 3.3 | 3 |
| 24 | Self-assembly of an organometallic Fe ₉ O ₆ cluster from aerobic oxidation of (tmeda)Fe(CH ₂ ^t Bu) ₂ . Chemical Communications, 2020, 56, 4994-4997. | 4.1 | 2 |
| 25 | Transition Metal Complexes for Dinitrogen Coordination and Activation. , 2021, , 363-409. | | 1 |
| 26 | Crystal structure of cis, fac-[N,N-bis[(pyridin-2-yl)methyl]methylamine- μ_3 N,N'- μ_2 - μ_2]dichlorido(dimethyl) Tj ETQq0 0 0 rgBT /Overlo 71, m169-m170. | 0.5 | 0 |