# Johannes E M N Klein

List of Publications by Year
in descending order



| 37 | 1,418 | 361045 | 329751 |
|---|---|---|---|
| papers | citations | 20 h-index | 37 g-index |

| 46 | 46 | 46 | 1453 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Gold-Aluminyl and Gold-Diarylboryl Complexes: Bonding and Reactivity with Carbon Dioxide. Inorganic Chemistry, 2022, 61, 7327-7337. | 1.9 | 10 |
| 2 | Homolytic Xâ€H Bond Cleavage at a Gold(III) Hydroxide: Insights into Oneâ€Electron Events at Gold. Chemistry - A European Journal, 2022, 28, . | 1.7 | 8 |
| 3 | Toward Environmentally Benign Electrophilic Chlorinations: From Chloroperoxidase to Bioinspired Isoporphyrins. Inorganic Chemistry, 2022, 61, 8105-8111. | 1.9 | 7 |
| 4 | The electronic structure of carbones revealed: insights from valence bond theory. Physical Chemistry Chemical Physics, 2021, 23, 3327-3334. | 1.3 | 6 |
| 5 | Efficient Computation of Geometries for Gold Complexes. ChemPhysChem, 2021, 22, 1262-1268. | 1.0 | 4 |
| 6 | Goldâ€Catalyzed Direct C(sp<sup>3</sup>)â^'H Acetoxylation of Saturated Hydrocarbons. ChemCatChem, 2021, 13, 4087-4091. | 1.8 | 6 |
| 7 | Combining Structural with Functional Model Properties in Iron Synthetic Analogue Complexes for the Active Site in Rabbit Lipoxygenase. Journal of the American Chemical Society, 2021, 143, 13145-13155. | 6.6 | 5 |
| 8 | Synthesis of a Sterically Encumbered Pincer Au(III)â^'OH Complex. European Journal of Inorganic Chemistry, 2021, 2021, 3561-3564. | 1.0 | 6 |
| 9 | Spin-resolved charge displacement analysis as an intuitive tool for the evaluation of cPCET and HAT scenarios. Chemical Communications, 2020, 56, 12146-12149. | 2.2 | 6 |
| 10 | Lightâ€Induced Mechanistic Divergence in Gold(I) Catalysis: Revisiting the Reactivity of Diazonium Salts. Angewandte Chemie - International Edition, 2019, 58, 16988-16993. | 7.2 | 62 |
| 11 | Ïƒâ€Noninnocence: Masked Phenylâ€Cation Transfer at Formal Ni<sup>IV</sup>. Angewandte Chemie, 2019, 131, 13267-13273. | 1.6 | 8 |
| 12 | Epoxidation of Alkenes by Peracids: From Textbook Mechanisms to a Quantum Mechanically Derived Curlyâ€Arrow Depiction. ChemistryOpen, 2019, 8, 1244-1250. | 0.9 | 11 |
| 13 | Ïƒâ€Noninnocence: Masked Phenylâ€Cation Transfer at Formal Ni<sup>IV</sup>. Angewandte Chemie - International Edition, 2019, 58, 13133-13139. | 7.2 | 27 |
| 14 | Cationic Gold(I) Diarylallenylidene Complexes: Bonding Features and Ligand Effects. ChemPhysChem, 2019, 20, 1671-1679. | 1.0 | 18 |
| 15 | Facile Conversion of syn â€[Fe IV (O)(TMC)] 2+ into the anti Isomer via Meunier's Oxoâ€“Hydroxo Tautomerism Mechanism. Angewandte Chemie, 2019, 131, 2017-2021. | 1.6 | 4 |
| 16 | Lightâ€Induced Mechanistic Divergence in Gold(I) Catalysis: Revisiting the Reactivity of Diazonium Salts. Angewandte Chemie, 2019, 131, 17144-17149. | 1.6 | 20 |
| 17 | Facile Conversion of syn â€[Fe IV (O)(TMC)] 2+ into the anti Isomer via Meunier's Oxoâ€“Hydroxo Tautomerism Mechanism. Angewandte Chemie - International Edition, 2019, 58, 1995-1999. | 7.2 | 9 |
| 18 | The Pentagonalâ€Pyramidal Hexamethylbenzene Dication: Many Shades of Coordination Chemistry at Carbon. Chemistry - A European Journal, 2018, 24, 12340-12345. | 1.7 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | On the Lewis Acidity of the Oxoiron(IV) Unit in a Tetramethylcyclam Complex. Chemistry - A European Journal, 2018, 24, 5373-5378. | 1.7 | 11 |
| 20 | cPCET versus HAT: A Direct Theoretical Method for Distinguishing Xâ€“H Bondâ€Activation Mechanisms. Angewandte Chemie, 2018, 130, 12089-12093. | 1.6 | 20 |
| 21 | cPCET versus HAT: A Direct Theoretical Method for Distinguishing Xâ€“H Bondâ€Activation Mechanisms. Angewandte Chemie - International Edition, 2018, 57, 11913-11917. | 7.2 | 77 |
| 22 | Oxoiron(IV) Tetramethylcyclam Complexes with Axial Carboxylate Ligands: Effect of Tethering the Carboxylate on Reactivity. Inorganic Chemistry, 2017, 56, 3287-3301. | 1.9 | 24 |
| 23 | Assessment of electronic structure methods for the determination of the ground spin states of Fe(<scp>ii</scp>), Fe(<scp>iii</scp>) and Fe(<scp>iv</scp>) complexes. Physical Chemistry Chemical Physics, 2017, 19, 13049-13069. | 1.3 | 100 |
| 24 | Facile and Reversible Formation of Iron(III)â€“Oxoâ€“Cerium(IV) Adducts from Nonheme Oxoiron(IV) Complexes and Cerium(III). Angewandte Chemie - International Edition, 2017, 56, 9091-9095. | 7.2 | 28 |
| 25 | On the Accessible Reaction Channels of Vinyl Gold(I) Species: Ï€â€•and Ïƒâ€Pathways. Chemistry - A European Journal, 2017, 23, 10901-10905. | 1.7 | 44 |
| 26 | The Two Faces of Tetramethylcyclam in Iron Chemistry: Distinct Feâ€“Oâ€“M Complexes Derived from [Fe<sup>IV</sup>(O<sub>anti/syn</sub>)(TMC)]<sup>2+</sup> Isomers. Inorganic Chemistry, 2017, 56, 518-527. | 1.9 | 14 |
| 27 | Characterization of the Fleeting Hydroxoiron(III) Complex of the Pentadentate TMC-py Ligand. Inorganic Chemistry, 2017, 56, 11129-11140. | 1.9 | 25 |
| 28 | Hydrogenâ€Atom Transfer Oxidation with H<sub>2</sub>O<sub>2</sub> Catalyzed by | | |

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|---|---|---|---|
| 37 | Fe or Feï£¿NO Catalysis? A Quantum Chemical Investigation of the [Fe(CO)<sub>3</sub>(NO)]<sup>â^'</sup>â€Catalyzed Clokeâ€“Wilson Rearrangement. Chemistry - A European Journal, 2014, 20, 7254-7257. | 1.7 | 41 |