

David A Atwood

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,628
citations

471509

17
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

2264
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Group 13 Compounds Incorporating Salen Ligands. <i>Chemical Reviews</i> , 2001, 101, 37-52. | 47.7 | 390 |
| 2 | Update 1 of: Destruction and Detection of Chemical Warfare Agents. <i>Chemical Reviews</i> , 2015, 115, PR1-PR76. | 47.7 | 284 |
| 3 | Chemical Precipitation of Lead from Lead Battery Recycling Plant Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 1579-1582. | 3.7 | 156 |
| 4 | Reactivity and Derivatization of Five-Coordinate, Chelated Aluminum. <i>Inorganic Chemistry</i> , 2001, 40, 6782-6787. | 4.0 | 103 |
| 5 | Alumina ⁺ Pepsin Hybrid Nanoparticles with Orientation-Specific Enzyme Coupling. <i>Nano Letters</i> , 2003, 3, 55-58. | 9.1 | 84 |
| 6 | Hydrogen Bonding with Sulfur. <i>Crystal Growth and Design</i> , 2001, 1, 291-297. | 3.0 | 69 |
| 7 | Chemistry of 2,4,6-Trimercapto-1,3,5-triazine (TMT): ⁺ Acid Dissociation Constants and Group 2 Complexes. <i>Inorganic Chemistry</i> , 2001, 40, 4443-4447. | 4.0 | 56 |
| 8 | Group 13 Cation Formation with a Potentially Tridentate Ligand. <i>Organometallics</i> , 2000, 19, 4416-4421. | 2.3 | 50 |
| 9 | Five-Coordinate, Solvent-Free Aluminum Cations. <i>Journal of the American Chemical Society</i> , 1999, 121, 6747-6748. | 13.7 | 47 |
| 10 | Six-coordinate aluminium cations: characterization, catalysis, and theory. <i>Dalton Transactions RSC</i> , 2002, , 410-414. | 2.3 | 43 |
| 11 | Catalytic Dealkylation of Phosphates with Binuclear Boron Compounds. <i>Journal of the American Chemical Society</i> , 2002, 124, 1864-1865. | 13.7 | 40 |
| 12 | Mercury pollution and remediation: the chemist's response to a global crisis. <i>Journal of Chemical Crystallography</i> , 2003, 33, 631-645. | 1.1 | 40 |
| 13 | Five-Coordinate Aluminum Bromides: ⁺ Synthesis, Structure, Cation Formation, and Cleavage of Phosphate Ester Bonds. <i>Journal of the American Chemical Society</i> , 2006, 128, 1147-1153. | 13.7 | 35 |
| 14 | Synthesis and Structures of Salen-Supported Borates Containing Siloxides. <i>Inorganic Chemistry</i> , 1999, 38, 3914-3918. | 4.0 | 34 |
| 15 | Self-Assembly of a Semiconductive and Photoactive Heterobimetallic Metal-Organic Capsule. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10516-10520. | 13.8 | 30 |
| 16 | Research with First- and Second-Year Undergraduates: A New Model for Undergraduate Inquiry at Research Universities. <i>Journal of Chemical Education</i> , 2002, 79, 125. | 2.3 | 26 |
| 17 | Biomimetic Self-Assembly of Co ^{II} -Seamed Hexameric Metal-Organic Nanocapsules. <i>Journal of the American Chemical Society</i> , 2019, 141, 9151-9154. | 13.7 | 22 |
| 18 | Chelated aluminum alkoxides. <i>Journal of Chemical Crystallography</i> , 2000, 30, 219-222. | 1.1 | 15 |

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|----|--|------|-----------|
| 19 | Main Group Compounds. <i>Inorganic Syntheses</i> , 2004, , 1-48. | 0.3 | 15 |
| 20 | Lewis acid-assisted detection of nerve agents in water. <i>Chemical Communications</i> , 2015, 51, 9269-9271. | 4.1 | 12 |
| 21 | Monomeric uni-ligated aluminates. <i>Chemical Communications</i> , 2001, , 2094-2095. | 4.1 | 11 |
| 22 | Group 13 chelates in nerve gas agent and pesticide dealkylation. <i>New Journal of Chemistry</i> , 2008, 32, 783. | 2.8 | 11 |
| 23 | Synthesis and Spectral and Thermal Properties of Pyrazine-Bridged Coordination Polymers of Copper(II) Nitrate: An Experiment for Advanced Undergraduates. <i>Journal of Chemical Education</i> , 2002, 79, 1355. | 2.3 | 10 |
| 24 | Controlled hierarchical self-assembly of networked coordination nanocapsules via the use of molecular chaperones. <i>Chemical Science</i> , 2020, 11, 12547-12552. | 7.4 | 10 |
| 25 | Self-Assembly of a Semiconductive and Photoactive Heterobimetallic Metal-Organic Capsule. <i>Angewandte Chemie</i> , 2021, 133, 10610-10614. | 2.0 | 7 |
| 26 | Arsenic mobility in Karnak soils after multi-year application of poultry litter containing roxarsone. <i>Main Group Chemistry</i> , 2016, 15, 365-373. | 0.8 | 6 |
| 27 | Dealkylation of chemical weapon agents and pesticides with group 13 salen compounds. <i>Main Group Chemistry</i> , 2010, 9, 315-335. | 0.8 | 5 |
| 28 | Phosphate Ester Cleavage with Binuclear Boron Chelates. <i>ACS Symposium Series</i> , 2005, , 390-409. | 0.5 | 4 |
| 29 | Oxide compound formation between boron and excess magnesium. <i>Main Group Chemistry</i> , 2010, 9, 193-201. | 0.8 | 4 |
| 30 | Arsenic in Human History and Modern Societies. , 0, , 277-302. | | 3 |
| 31 | Salen Supported Molecular Borosilicates. <i>Journal of Cluster Science</i> , 2002, 13, 609-620. | 3.3 | 2 |
| 32 | Synthesis, Characterization, and Stability of Dealkylated Salen-Supported Aluminum Phosphates. <i>Inorganic Chemistry</i> , 2021, 60, 4456-4462. | 4.0 | 2 |
| 33 | Chelated Aluminum Anions. <i>ACS Symposium Series</i> , 2002, , 131-141. | 0.5 | 1 |
| 34 | Frontispiz: Self-Assembly of a Semiconductive and Photoactive Heterobimetallic Metal-Organic Capsule. <i>Angewandte Chemie</i> , 2021, 133, . | 2.0 | 0 |
| 35 | Frontispiece: Self-Assembly of a Semiconductive and Photoactive Heterobimetallic Metal-Organic Capsule. <i>Angewandte Chemie - International Edition</i> , 2021, 60, . | 13.8 | 0 |