# Alice E Bruce

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 22 papers | 299 citations | 933447 10 h-index | 888059 17 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 402 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Stripping Analyses of Mercury Using Gold Electrodes:Â Irreversible Adsorption of Mercury. Analytical Chemistry, 1999, 71, 3181-3186. | 6.5 | 64 |
| 2 | Synthesis of water-soluble goldâ€“aryl nanoparticles with distinct catalytic performance in the reduction of the environmental pollutant 4-nitrophenol. Catalysis Science and Technology, 2019, 9, 6059-6071. | 4.1 | 29 |
| 3 | Perspectives in Inorganic and Bioinorganic Gold Sulfur Chemistry. Comments on Inorganic Chemistry, 2002, 23, 321-334. | 5.2 | 24 |
| 4 | Cyclic Voltammetry of Auranofin. Metal-Based Drugs, 1999, 6, 233-238. | 3.8 | 18 |
| 5 | Studentsâ€™ Understanding of Analogy after a CORE (Chemical Observations, Representations,) Tj ETQq1 1 0.784314 rgBT /Overloc<br>92, 1626-1638. | 2.3 | 18 |
| 6 | Conceptual Developments of Aryldiazonium Salts as Modifiers for Gold Colloids and Surfaces. Langmuir, 2021, 37, 8897-8907. | 3.5 | 17 |
| 7 | Structure and Photochemical Isomerization of the Dinuclear Gold(I) Halide Bis(diphenylphosphanyl)ethylene Complexes: Correlation Between Quantum Yield and Aurophilicity. European Journal of Inorganic Chemistry, 2007, 2007, 4946-4951. | 2.0 | 15 |
| 8 | Formation of separated versus contact ion pairs in alkali metal thiolates and selenolates. Dalton Transactions RSC, 2000, , 2167-2173. | 2.3 | 14 |
| 9 | Application of structural analogs of dimercaptosuccinic acid-functionalized silica nanoparticles (DMSA-[silica]) to adsorption of mercury, cadmium, and lead. Research on Chemical Intermediates, 2011, 37, 791-810. | 2.7 | 12 |
| 10 | Preferential adsorption of mercury(II) ions in water: chelation of mercury, cadmium, and lead ions to silica derivatized with meso-2,3-dimercaptosuccinic acid. Journal of Coordination Chemistry, 2010, 63, 731-741. | 2.2 | 11 |
| 11 | Designing a Remote, Synchronous, Hands-On General Chemistry Lab Course. Journal of Chemical Education, 2021, 98, 3131-3142. | 2.3 | 10 |
| 12 | Redox Chemistry of Gold(I) Phosphine Thiolates: Sulfur-Based Oxidation. Metal-Based Drugs, 1994, 1, 419-431. | 3.8 | 9 |
| 13 | A Simple, Student-Built Spectrometer To Explore Infrared Radiation and Greenhouse Gases. Journal of Chemical Education, 2016, 93, 1908-1915. | 2.3 | 9 |
| 14 | Reactions of Organic Disulfides and Gold(I) Complexes. Metal-Based Drugs, 1999, 6, 247-253. | 3.8 | 8 |
| 15 | Thermotropic liquid crystals based on ferrocenylbiphenyl and ferrocenylterphenyl. Liquid Crystals, 2006, 33, 485-494. | 2.2 | 7 |
| 16 | Identification of dimethyl sulfide in dimethyl sulfoxide and implications for metal-thiolate disulfide exchange reactions. RSC Advances, 2015, 5, 40603-40606. | 3.6 | 7 |
| 17 | Disulfide Competition for Phosphine Gold(I) Thiolates: Phosphine Oxide Formation vs. Thiolate Disulfide Exchange. Inorganics, 2015, 3, 40-54. | 2.7 | 6 |
| 18 | A Professional Development Activity to Help Teaching Assistants Work as a Team to Assess Lab Reports in a General Chemistry Course. Israel Journal of Chemistry, 2019, 59, 536-545. | 2.3 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Polymers and Cross-Linking: A CORE Experiment To Help Students Think on the Submicroscopic Level. Journal of Chemical Education, 2016, 93, 1599-1605. | 2.3 | 5 |
| 20 | Creating Representation in Support of Chemical Reasoning to Connect Macroscopic and Submicroscopic Domains of Knowledge. Journal of Chemical Education, 2022, 99, 1734-1746. | 2.3 | 5 |
| 21 | Electronic and Steric Effects in Gold(I) Phosphine Thiolate Complexes. Metal-Based Drugs, 1994, 1, 405-417. | 3.8 | 3 |
| 22 | Electronic Structure of Dinuclear Gold(I) Complexes. Metal-Based Drugs, 1999, 6, 255-260. | 3.8 | 1 |