# David M Stanbury

List of Publications by Year
in descending order



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|---|---|---|---|
| 29 papers | 1,250 citations | 623574 14 h-index | 501076 28 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 1366 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Autoxidation kinetics of aqueous nitric oxide. FEBS Letters, 1993, 326, 1-3. | 1.3 | 377 |
| 2 | Standard electrode potentials involving radicals in aqueous solution: inorganic radicals (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 | 0.9 | 351 |
| 3 | Autoxidation of NO in aqueous solution. International Journal of Chemical Kinetics, 1993, 25, 375-381. | 1.0 | 118 |
| 4 | Standard electrode potentials involving radicals in aqueous solution: inorganic radicals. Bioinorganic Reaction Mechanisms, 2013, 9, . | 0.5 | 48 |
| 5 | Thiocyanogen as an Intermediate in the Oxidation of Thiocyanate by Hydrogen Peroxide in Acidic Aqueous Solution. Inorganic Chemistry, 2000, 39, 5089-5094. | 1.9 | 45 |
| 6 | Kinetics and mechanism of oxidation of thioglycolic acid by hexachloroiridate(iv). Dalton Transactions RSC, 2002, , 785. | 2.3 | 27 |
| 7 | Oxidation of Coordinated Ammonia to Nitrosyl in the Reaction of Aqueous Chlorine with cis-[Ru(bpy)2(NH3)2]2+. Journal of the American Chemical Society, 1997, 119, 521-530. | 6.6 | 25 |
| 8 | Kinetics and a Revised Mechanism for the Autocatalytic Oxidation of SCN-by ClO2. Journal of Physical Chemistry A, 1999, 103, 5732-5741. | 1.1 | 25 |
| 9 | Mechanisms of Advanced Oxidation Processes, the Principle of Detailed Balancing, and Specifics of the UV/Chloramine Process. Environmental Science & Technology, 2020, 54, 4658-4663. | 4.6 | 25 |
| 10 | Reactions of the tris(3,4,7,8-tetramethylphenanthroline)iron(II,III) redox couple in nitrous acid. Journal of the American Chemical Society, 1984, 106, 8136-8142. | 6.6 | 23 |
| 11 | Vanishingly slow kinetics of the ClO2/Clâ¯ reaction: its questionable significance in nonlinear chlorite reactions. Coordination Chemistry Reviews, 1999, 187, 223-232. | 9.5 | 23 |
| 12 | Thermal and Photochemical Reduction of Aqueous Chlorine by Ruthenium(II) Polypyridyl Complexes. Inorganic Chemistry, 2000, 39, 1294-1300. | 1.9 | 18 |
| 13 | The principle of detailed balancing, the iron-catalyzed disproportionation of hydrogen peroxide, and the Fenton reaction. Dalton Transactions, 2022, 51, 2135-2157. | 1.6 | 17 |
| 14 | Nuclear Factors in Main-Group Electron Transfer Reactions. Advances in Chemistry Series, 1997, , 165-182. | 0.6 | 15 |
| 15 | Oxidations at Sulfur Centers by Aqueous Hypochlorous Acid and Hypochlorite: Cl<sup>+</sup> Versus O Atom Transfer. Inorganic Chemistry, 2017, 56, 4047-4056. | 1.9 | 15 |
| 16 | Oxidation of Hydrazine in Aqueous Solution. Progress in Inorganic Chemistry, 0, , 511-561. | 3.0 | 13 |
| 17 | Kinetics of the Initial Steps in the Aqueous Oxidation of Thiosulfate by Chlorine Dioxide. Journal of Physical Chemistry A, 2014, 118, 6827-6831. | 1.1 | 11 |
| 18 | Copper Catalysis of the Oxidation of Iodide by [FeIII(bpy)2(CN)2]+in Acetonitrile. Journal of Physical Chemistry A, 2004, 108, 7637-7638. | 1.1 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Hâ€¢/H<sup>â€“</sup> Redox Couple and Absolute Hydration Energy of H<sup>â€“</sup>. Journal of Physical Chemistry A, 2020, 124, 6084-6095. | 1.1 | 10 |
| 20 | One-Electron Oxidation of Hydrogen Sulfide by a Stable Oxidant: Hexachloroiridate(IV). Inorganic Chemistry, 2016, 55, 7797-7803. | 1.9 | 9 |
| 21 | Systematic Application of the Principle of Detailed Balancing to Complex Homogeneous Chemical Reaction Mechanisms. Journal of Physical Chemistry A, 2019, 123, 5436-5445. | 1.1 | 8 |
| 22 | Kinetics of the Benzaldehyde-Inhibited Oxidation of Sulfite by Chlorine Dioxide. Inorganic Chemistry, 2016, 55, 366-370. | 1.9 | 6 |
| 23 | Comment on the Principle of Detailed Balancing in Complex Mechanisms and Its Application to Iodate Reactions. Journal of Physical Chemistry A, 2018, 122, 3956-3957. | 1.1 | 6 |
| 24 | Large-Scale Models of Radiation Chemistry and the Principle of Detailed Balancing. Journal of Physical Chemistry A, 2019, 123, 10240-10245. | 1.1 | 5 |
| 25 | Oxidation of [Ru(NH3)5isn](BF4)2by Hypochlorous Acid and Chlorine in Aqueous Acidic Media. Inorganic Chemistry, 2001, 40, 5139-5146. | 1.9 | 4 |
| 26 | Methanesulfonyl Iodide. Inorganic Chemistry, 2019, 58, 14752-14759. | 1.9 | 4 |
| 27 | Comment on â€œBuffer Effects in the Kinetics of Concerted Proton-Coupled Electron Transfer: The Electrochemical Oxidation of Glutathione Mediated by [IrCl6]2â€“ at Variable Buffer pKa and Concentrationâ€. Journal of Physical Chemistry C, 2014, 118, 740-742. | 1.5 | 3 |
| 28 | Hydration Energies and Reactivity of the Hypohalite Anions. Inorganic Chemistry, 2018, 57, 1665-1669. | 1.9 | 3 |
| 29 | Misconceptions about the Chemistry of Aqueous Chlorine Atoms and HClOH<sup>â€¢</sup>(aq), and a Revised Mechanism for the Photochemical Peroxydisulfate/Chloride Reaction. Physical Chemistry Chemical Physics, 2022, , . | 1.3 | 2 |