

David M Stanbury

List of Publications by Year in descending order

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29
papers

1,250
citations

623734

14
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1366
citing authors

#	ARTICLE	IF	CITATIONS
1	The principle of detailed balancing, the iron-catalyzed disproportionation of hydrogen peroxide, and the Fenton reaction. Dalton Transactions, 2022, 51, 2135-2157.	3.3	17
2	Misconceptions about the Chemistry of Aqueous Chlorine Atoms and $\text{HClOH}^{\ominus}(\text{aq})$, and a Revised Mechanism for the Photochemical Peroxydisulfate/Chloride Reaction. Physical Chemistry Chemical Physics, 2022, , .	2.8	2
3	The $\text{H}^{\ominus}/\text{H}^{\ominus}$ Redox Couple and Absolute Hydration Energy of H^{\ominus} . Journal of Physical Chemistry A, 2020, 124, 6084-6095.	2.5	10
4	Mechanisms of Advanced Oxidation Processes, the Principle of Detailed Balancing, and Specifics of the UV/Chloramine Process. Environmental Science & Technology, 2020, 54, 4658-4663.	10.0	25
5	Large-Scale Models of Radiation Chemistry and the Principle of Detailed Balancing. Journal of Physical Chemistry A, 2019, 123, 10240-10245.	2.5	5
6	Methanesulfonyl Iodide. Inorganic Chemistry, 2019, 58, 14752-14759.	4.0	4
7	Systematic Application of the Principle of Detailed Balancing to Complex Homogeneous Chemical Reaction Mechanisms. Journal of Physical Chemistry A, 2019, 123, 5436-5445.	2.5	8
8	Hydration Energies and Reactivity of the Hypohalite Anions. Inorganic Chemistry, 2018, 57, 1665-1669.	4.0	3
9	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.	2.5	6
10	Oxidations at Sulfur Centers by Aqueous Hypochlorous Acid and Hypochlorite: $\text{Cl}^{\ominus} + \text{Cl}^{\ominus}$ Versus O Atom Transfer. Inorganic Chemistry, 2017, 56, 4047-4056.	4.0	15
11	One-Electron Oxidation of Hydrogen Sulfide by a Stable Oxidant: Hexachloroiridate(IV). Inorganic Chemistry, 2016, 55, 7797-7803.	4.0	9
12	Kinetics of the Benzaldehyde-Inhibited Oxidation of Sulfite by Chlorine Dioxide. Inorganic Chemistry, 2016, 55, 366-370.	4.0	6
13	Standard electrode potentials involving radicals in aqueous solution: inorganic radicals (IUPAC) Tj ETQq1 1 0.784314.rgBT /Overlock 1 351	1.9	351
14	Comment on "Buffer Effects in the Kinetics of Concerted Proton-Coupled Electron Transfer: The Electrochemical Oxidation of Glutathione Mediated by $[\text{IrCl}_6]^{2\ominus}$ at Variable Buffer pKa and Concentration" Journal of Physical Chemistry C, 2014, 118, 740-742.	3.1	3
15	Kinetics of the Initial Steps in the Aqueous Oxidation of Thiosulfate by Chlorine Dioxide. Journal of Physical Chemistry A, 2014, 118, 6827-6831.	2.5	11
16	Standard electrode potentials involving radicals in aqueous solution: inorganic radicals. Bioinorganic Reaction Mechanisms, 2013, 9, .	0.4	48
17	Copper Catalysis of the Oxidation of Iodide by $[\text{FeIII}(\text{bpy})_2(\text{CN})_2]^+$ in Acetonitrile. Journal of Physical Chemistry A, 2004, 108, 7637-7638.	2.5	10
18	Kinetics and mechanism of oxidation of thioglycolic acid by hexachloroiridate(iv). Dalton Transactions RSC, 2002, , 785.	2.3	27

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19	Oxidation of [Ru(NH ₃) ₅ isn](BF ₄) ₂ by Hypochlorous Acid and Chlorine in Aqueous Acidic Media. <i>Inorganic Chemistry</i> , 2001, 40, 5139-5146.	4.0	4
20	Thiocyanogen as an Intermediate in the Oxidation of Thiocyanate by Hydrogen Peroxide in Acidic Aqueous Solution. <i>Inorganic Chemistry</i> , 2000, 39, 5089-5094.	4.0	45
21	Thermal and Photochemical Reduction of Aqueous Chlorine by Ruthenium(II) Polypyridyl Complexes. <i>Inorganic Chemistry</i> , 2000, 39, 1294-1300.	4.0	18
22	Vanishingly slow kinetics of the ClO ₂ /Cl [•] reaction: its questionable significance in nonlinear chlorite reactions. <i>Coordination Chemistry Reviews</i> , 1999, 187, 223-232.	18.8	23
23	Kinetics and a Revised Mechanism for the Autocatalytic Oxidation of SCN ⁻ by ClO ₂ . <i>Journal of Physical Chemistry A</i> , 1999, 103, 5732-5741.	2.5	25
24	Oxidation of Coordinated Ammonia to Nitrosyl in the Reaction of Aqueous Chlorine with cis-[Ru(bpy) ₂ (NH ₃) ₂] ²⁺ . <i>Journal of the American Chemical Society</i> , 1997, 119, 521-530.	13.7	25
25	Nuclear Factors in Main-Group Electron Transfer Reactions. <i>Advances in Chemistry Series</i> , 1997, , 165-182.	0.6	15
26	Autoxidation of NO in aqueous solution. <i>International Journal of Chemical Kinetics</i> , 1993, 25, 375-381.	1.6	118
27	Autoxidation kinetics of aqueous nitric oxide. <i>FEBS Letters</i> , 1993, 326, 1-3.	2.8	377
28	Reactions of the tris(3,4,7,8-tetramethylphenanthroline)iron(II,III) redox couple in nitrous acid. <i>Journal of the American Chemical Society</i> , 1984, 106, 8136-8142.	13.7	23
29	Oxidation of Hydrazine in Aqueous Solution. <i>Progress in Inorganic Chemistry</i> , 0, , 511-561.	3.0	13