Israel Zilbermann

List of Publications by Year
in descending order

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37	355	933447	839539
papers	citations	10 h-index	18 g-index

39	39	39	445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Redox Chemistry of Nickel Complexes in Aqueous Solutions. Chemical Reviews, 2005, 105, 2609-2626.	47.7	93
2	Tertiary-poly-amine ligands as stabilisers of transition metal complexes with uncommon oxidation states. Supramolecular Chemistry, 1996, 6, 275-279.	1.2	27
3	Structural Characterization of Am(III)- and Pu(III)-DOTA Complexes. Inorganic Chemistry, 2017, 56, 12248-12259.	4.0	22
4	Mechanistic Studies on the Role of [Cu^{II}(CO₃)_n]^{2â˜2n} as a Water Oxidation Catalyst: Carbonate as a Nonâ€Innocent Ligand. Chemistry - A European Journal, 2018, 24, 1088-1096.	3.3	21
5	Properties of the Nickel(III) Complex with 1,4,8,11-Tetraazacyclotetradecane-1,4,8,11-tetraacetate in Aqueous Solution. Inorganic Chemistry, 1996, 35, 5127-5131.	4.0	18
6	Coating Platinum Nanoparticles with Methyl Radicals: Effects on Properties and Catalytic Implications. Chemistry - A European Journal, 2015, 21, 19000-19009.	3.3	14
7	Anions as stabilizing ligands for Ni(III)(cyclam) in aqueous solutions. Inorganica Chimica Acta, 2010, 363, 2819-2823.	2.4	13
8	Effect of Hydrogen Pretreatment of Platinum Nanoparticles on their Catalytic Properties: Reactions with Alkyl Radicals â€“ A Mechanistic Study. ChemCatChem, 2016, 8, 2761-2764.	3.7	12
9	On the Aqueous Chemistry of the U^{IV}â€“DOTA Complex. Chemistry - A European Journal, 2020, 26, 3390-3403.	3.3	12
10	Radicals in â€˜biologically relevantâ€™ concentrations behave differently: Uncovering new radical reactions following the reaction of hydroxyl radicals with DMSO. Free Radical Biology and Medicine, 2021, 162, 555-560.	2.9	11
11	Reactions of Alkyl Peroxyl Radicals with Metal Nanoparticles in Aqueous Solutions. Journal of Physical Chemistry C, 2009, 113, 3281-3286.	3.1	10
12	Spectroscopic, electrochemical, and structural aspects of the Ce(IV)/Ce(III) DOTA redox couple chemistry in aqueous solutions. Journal of Coordination Chemistry, 2016, 69, 2895-2907.	2.2	10
13	Cooperative oxidation of edta by Ni(III) and dioxygen. A pulse radiolysis study. Inorganic Chemistry Communication, 1998, 1, 46-48.	3.9	9
14	Mechanism of Reduction of 2,2-Dibromomethyl-1,3-propanediol by NiI-Tetraazamacrocyclic Complexes in Aqueous Solutionâ˜ A Pulse Radiolysis and Electrochemical Study. European Journal of Inorganic Chemistry, 2003, 2003, 4105-4109.	2.0	8
15	The redox chemistry of copper tetraphenylporphyrin revisited. Journal of Porphyrins and Phthalocyanines, 2012, 16, 1124-1131.	0.8	7
16	Pyrophosphate as a stabilizer of Ni(III) ions in aqueous solutions. Inorganica Chimica Acta, 2013, 405, 72-76.	2.4	7
17	Oxidation of Ascorbate by Ni(III) Complexes with Tetraaza-macrocyclic Ligands in Neutral Aqueous Solutions. A Pulse-Radiolysis Study. Supramolecular Chemistry, 2001, 13, 325-332.	1.2	6
18	Different oxidation mechanisms of Mn^{II}(polyphosphate)_n by the radicals and. Journal of Coordination Chemistry, 2016, 69, 1709-1721.	2.2	6

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19	Oxidation of CH3NH2 and (CH3)2NH by NiIII(cyclam)(H2O)23+ in Aqueous Solutions. European Journal of Inorganic Chemistry, 2004, 2004, 4002-4005.	2.0	5
20	Mechanism of Isomerization of Ni(cyclam) in Aqueous Solutions. European Journal of Inorganic Chemistry, 2005, 2005, 4997-5004.	2.0	5
21	H/D Kinetic Isotope Effect as a Tool to Elucidate the Reaction Mechanism of Methyl Radicals with Glycine in Aqueous Solutions. Journal of Physical Chemistry A, 2013, 117, 13996-13998.	2.5	5
22	Reactions of methyl, hydroxyl and peroxyl radicals with the DOTA chelating agent used in medical imaging. Free Radical Biology and Medicine, 2022, 180, 134-142.	2.9	5
23	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 41, 179-184.	1.6	4
24	On the reactions of methyl radicals with nitrilotris(methylenephosphonic-acid) complexes in aqueous solutions. Journal of Coordination Chemistry, 2019, 72, 3445-3457.	2.2	3
25	Oligomers Intermediates in Between Two New Distinct Homonuclear Uranium(IV) DOTP Complexes**. Chemistry - A European Journal, 2021, 27, 8264-8267.	3.3	3
26	Mechanisms of Reaction Between Co(II) Complexes and Peroxymonosulfate. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	3
27	Pyrophosphate and ATP as Stabilizing Ligands for High-Valent Nickel Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 523-525.	2.0	2
28	On the Mechanism of Reduction of Maleate Ions by NiIComplexes with Tetraazamacrocyclic Ligands in Aqueous Solutions. European Journal of Inorganic Chemistry, 2014, 2014, 932-940.	2.0	2
29	Role of lycopene in preventing lipid peroxidation products, in commercial infant milk formula. Journal of Maternal-Fetal and Neonatal Medicine, 2016, 29, 2865-2869.	1.5	2
30	Copper(II) catalyses the reduction of perchlorate by both formaldehyde and by dihydrogen in aqueous solutions. Journal of Coordination Chemistry, 2018, 71, 2905-2912.	2.2	2
31	Reactions of carbonate radical anion with amino-carboxylate complexes of manganese(II) and iron(III). Journal of Coordination Chemistry, 2018, 71, 1749-1760.	2.2	2
32	Redox Properties of CeIVDOTA in Carbonated Aqueous Solutions. A Radiolytic and an Electrochemical Study. Journal of Physical Chemistry A, 2021, 125, 1436-1446.	2.5	2
33	Effect of pressure on an intramolecular electron-transfer reaction induced by pulse-radiolysis. High Pressure Research, 1991, 6, 287-290.	1.2	1
34	ions do not catalyze the decomposition of peroxomonosulfate. Journal of Coordination Chemistry, 2013, 66, 4355-4362.	2.2	1
35	Design of a ligand suitable for sensitive uranyl analysis in aqueous solutions. Journal of Coordination Chemistry, 2015, 68, 3079-3087.	2.2	1
36	BH₄^{â€“}â€Promoted, Radicalâ€Initiated, Catalytic Oxidation of (CH₃)₂SO by N₂O in Aqueous Solution. European Journal of Inorganic Chemistry, 2016, 2016, 1161-1164.	2.0	1

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37	The Redox Chemistry of (N1-[3-(2-aminoethylimino)-1,1-dimethylbutyl]ethane-1,2-diamine)nickel(II) Perchlorate, NiIIL1(ClO4)2, in Aqueous Solutions -A Pulse Radiolytic and an Electrochemical Study. European Journal of Inorganic Chemistry, 2005, 2005, 4335-4340.	2.0	0