Dan M Meyerstein

List of Publications by Citations

338 papers	5,920 citations	34 h-index	56 g-index
366 ext. papers	6,441 ext. citations	5.4 avg, IF	5.6 L-index

#	Paper	IF	Citations
338	The Fenton reagents. *Free Radical Biology and Medicine*, **1993**, 15, 435-45	7.8	503
337	Reactions of low-valent transition-metal complexes with hydrogen peroxide. Are they "Fenton-like" or not? 1. The case of Cu+aq and Cr2+aq. *Journal of the American Chemical Society*, **1988**, 110, 4293-4297	16.4	183
336	Comments on the Mechanism of the Fenton-Like Reaction. *Accounts of Chemical Research*, **1999**, 32, 547-550	24.3	177
335	Use of Hydrophobic Ligands for the Stabilization of Low-Valent Transition Metal Complexes. 1. The Effect of N-Methylation of Linear Tetraazaalkane Ligands on the Properties of Their Copper Complexes. *Journal of the American Chemical Society*, **1995**, 117, 8353-8361	16.4	96
334	Oxidation of first-row bivalent transition-metal complexes containing ethylenediaminetetra-acetate and nitrilotriacetate ligands by free radicals: a pulse-radiolysis study. *Journal of the Chemical Society Dalton Transactions*, **1978**, 1105		91
333	Are M-N bonds indeed inherently weaker when N is a tertiary rather than a primary or secondary nitrogen atom?. *Coordination Chemistry Reviews*, **1999**, 185-186, 141-147	23.2	86
332	Redox chemistry of nickel complexes in aqueous solutions. *Chemical Reviews*, **2005**, 105, 2609-25	68.1	84
331	New mechanistic aspects of the Fenton reaction. *Chemistry - A European Journal*, **2009**, 15, 8303-9	4.8	79
330	Trivalent copper. I. Pulse radiolytic study of the chemical properties of the aquo complex. *Inorganic Chemistry*, **1971**, 10, 638-641	5.1	75
329	Stabilization of the monovalent nickel complex with 1,4,8,11-tetraazacyclotetradecane in aqueous solutions by N- and C-methylation. An electrochemical and pulse radiolysis study. *Inorganic Chemistry*, **1985**, 24, 251-258	5.1	74
328	Stabilization of the tervalent nickel complex with meso-5,7,7,12,14,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane by axial coordination of anions in aqueous solution. *Inorganic Chemistry*, **1982**, 21, 73-80	5.1	68
327	Oxidation of organic substrates in aerated aqueous solutions by the Fenton reagent. *Coordination Chemistry Reviews*, **2005**, 249, 1937-1943	23.2	66
326	Mechanism of the catalytic hydrogen production by gold sols. Hydrogen/deuterium isotope effect studies. *The Journal of Physical Chemistry*, **1980**, 84, 870-875		55
325	Charge-transfer complexes of iodine and inorganic anions in solution. *Transactions of the Faraday Society*, **1963**, 59, 1114		54
324	Superoxide dismutase activity of corrole metal complexes. *Dalton Transactions*, **2009**, 7879-82	4.3	53
323	The methyl(cyclam)nickel(III) dication in aqueous solutions: determination of the equilibrium constant of homolysis, kinetics of oxygen insertion, and methyl transfer to aquated chromium(2+). *Inorganic Chemistry*, **1988**, 27, 4578-4581	5.1	53
322	Kinetics and Reaction Mechanisms of Copper(I) Complexes with Aliphatic Free Radicals in Aqueous Solutions. A Pulse-Radiolysis Study. *Organometallics*, **1995**, 14, 5670-5676	3.8	52

321	Reactions of aliphatic free radicals with copper cations in aqueous solution. Part 2.Reactions with cupric ions: a pulse radiolysis study. *Journal of the Chemical Society Faraday Transactions I*, **1980**, 76, 1825		52
320	Ligand Effects on the Kinetics of the Reversible Binding of NO to Selected Aminocarboxylato Complexes of Iron(II) in Aqueous Solution. *European Journal of Inorganic Chemistry*, **2001**, 2001, 2317-2325	2.3	47
319	A mechanistic study of the copper(II)-peptide-catalyzed superoxide dismutation. A pulse radiolysis study. *Journal of the American Chemical Society*, **1990**, 112, 6489-6492	16.4	47
318	Trivalent copper. II. Pulse radiolytic study of the formation and decomposition of amino complexes. *Inorganic Chemistry*, **1971**, 10, 2244-2249	5.1	44
317	Carbonate-radical-anions, and not hydroxyl radicals, are the products of the Fenton reaction in neutral solutions containing bicarbonate. *Free Radical Biology and Medicine*, **2019**, 131, 1-6	7.8	44
316	Hydroxyl radical induced decarboxylation and deamination of 2-methylalanine catalyzed by copper ions. *Inorganic Chemistry*, **1992**, 31, 2439-2444	5.1	43
315	Mechanism of the reaction of radicals with peroxides and dimethyl sulfoxide in aqueous solution. *Chemistry - A European Journal*, **2008**, 14, 5880-9	4.8	42
314	Reactions of alkyl-radicals with gold and silver nanoparticles in aqueous solutions. *Physical Chemistry Chemical Physics*, **2006**, 8, 3552-6	3.6	42
313	Design of Ligands That Stabilize Cu(I) and Shift the Reduction Potential of the Cu(II/I) Couple Cathodically in Aqueous Solutions. *Inorganic Chemistry*, **1999**, 38, 3484-3488	5.1	42
312	What is unique about superoxide toxicity as compared to other biological reductants? A hypothesis. *Free Radical Research Communications*, **1988**, 4, 231-6		41
311	Kinetics of formation and decomposition of the methyl-copper(II) complex in aqueous solutions. A pulse-radiolysis study. *Inorganic Chemistry*, **1986**, 25, 1505-1506	5.1	41
310	The effect of N-methylation of tetra-aza-alkane copper complexes on the axial binding of anions. *Inorganica Chimica Acta*, **1997**, 255, 111-115	2.7	40
309	Oxidation of a nickel(II) complex with an unsaturated macrocyclic ligand in aqueous solutions. A pulse radiolytic study. *Inorganic Chemistry*, **1979**, 18, 429-433	5.1	39
308	Antioxidant properties of bucillamine: possible mode of action. *Biochemical and Biophysical Research Communications*, **2006**, 349, 1171-5	3.4	38
307	Solvation largely accounts for the effect of N-alkylation on the properties of nickel(II/I) and chromium(III/II) cyclam complexes. *Inorganic Chemistry*, **2002**, 41, 2927-35	5.1	37
306	Reactions of low valent transition metal complexes with hydrogen peroxide. Are they "Fenton-like" or not? 4. The case of Fe(II)L, L = edta; hedta and tcma. *Free Radical Research*, **1995**, 23, 453-63	4	35
305	Acoustic cavitation in phacoemulsification: chemical effects, modes of action and cavitation index. *Ultrasound in Medicine and Biology*, **2002**, 28, 775-84	3.5	34
304	High-pressure pulse radiolysis as a tool in the study of transition metal reaction mechanisms. *Accounts of Chemical Research*, **2000**, 33, 207-14	24.3	34

303	Ligand Interchange Controls Many Oxidations of Divalent First-Row Transition Metal Ions by Free Radicals. *Inorganic Chemistry*, **1994**, 33, 1566-1568	5.1	34
302	Determination of the volume of activation of the key reaction steps in the oxidation of phenanthroline-copper(I) by molecular oxygen. *The Journal of Physical Chemistry*, **1991**, 95, 1282-1285		33
301	Reactions of aliphatic free radicals with copper cations in aqueous solutions. Part 3.Reactions with cuprous ions: a pulse radiolysis study. *Journal of the Chemical Society Faraday Transactions I*, **1980**, 76, 1838		33
300	On the mechanism of reduction of porphyrins. A pulse radiolytic study. *Journal of the American Chemical Society*, **1974**, 96, 2720-7	16.4	33
299	Kinetics of the formation and decomposition of carbon-cobalt(III) bonds in aqueous solutions by the reaction of aliphatic free radicals with a coenzyme B-12r model cobalt(II) complex. *Journal of the American Chemical Society*, **1978**, 100, 5540-5548	16.4	33
298	Reaction of Methyl Radicals with Metal Powders Immersed in Aqueous Solutions. *European Journal of Inorganic Chemistry*, **2003**, 2003, 4227-4233	2.3	32
297	Complexes of cations in unstable oxidation states in aqueous solutions as studied by pulse radiolysis. *Accounts of Chemical Research*, **1978**, 11, 43-48	24.3	32
296	High-pressure kinetic evidence for a dissociative interchange (Id) substitution mechanism for aquated chromium(II). *Inorganic Chemistry*, **1992**, 31, 3695-3696	5.1	30
295	Complexation of a nickel(III) macrocyclic complex by sulfate ion. A pulse radiolytic study. *Inorganic Chemistry*, **1979**, 18, 2763-2766	5.1	30
294	Reductions by monovalent zinc, cadmium, and nickel cations. *The Journal of Physical Chemistry*, **1968**, 72, 784-788		30
293	Spontaneous Reactions and Reduction by Iodide of Peroxynitrite and Peroxynitrate: Mechanistic Insight from Activation Parameters. *Journal of Physical Chemistry A*, **1997**, 101, 7114-7118	2.8	29
292	Formation and decomposition of iron-carbon .sigma.-bonds in the reaction of iron(II)-poly(amino carboxylate) complexes with CO2-free radicals. A pulse radiolysis study. *Journal of the American Chemical Society*, **1988**, 110, 3903-3907	16.4	29
291	Electrochemical preparation of stable nickel(III) complexes with tetradentate macrocyclic ligands in aqueous solutions. *Journal of the Chemical Society Chemical Communications*, **1979**, 241		29
290	Difference in the stabilities of the diastereoisomers of the tervalent nickel complex with 5,7,7,12,14,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane in sulfate- and perchlorate-containing aqueous solutions. An electrochemical and pulse radiolysis study. *Inorganic Chemistry*, **1981**, 20, 3988-3992	5.1	29
289	Plausible mechanisms of the fenton-like reactions, M = Fe(II) and Co(II), in the presence of RCO2(-) substrates: are OH() radicals formed in the process?. *Journal of Physical Chemistry A*, **2015**, 119, 4200-6	2.8	28
288	Protective effect of free-radical scavengers on corneal endothelial damage in phacoemulsification. *Journal of Cataract and Refractive Surgery*, **2007**, 33, 310-5	2.3	28
287	The methyl(cyclam)nickel(III) dication in aqueous solutions: determination of the volume of reaction and volume of activation for the homolysis of the nickel-carbon bond. A pulse-radiolysis study. *Inorganic Chemistry*, **1990**, 29, 4156-4158	5.1	28
286	Reactions of peroxyl radicals with Fe(H(2)O)(6)(2+). *Journal of Inorganic Biochemistry*, **2002**, 91, 199-204	4.2	27

285	Peroxynitrous Acid Decomposes via Homolysis: Evidence from High-Pressure Pulse Radiolysis. *Journal of Physical Chemistry A*, **1999**, 103, 6587-6590	2.8	27
284	Comparative study of the electrochemical and pulse-radiolytic oxidation of the complexes of nickel(II) and copper(II) containing 1,4,8,11-tetra-azacyclotetradecane. *Journal of the Chemical Society Dalton Transactions*, **1980**, 1243		27
283	Trivalent nickel. II. Pulse radiolytic study of the formation and decomposition of the ethylenediamine and glycine complexes in aqueous solution. *Inorganic Chemistry*, **1972**, 11, 2397-2401	5.1	27
282	The Role of Carbonate in Catalytic Oxidations. *Accounts of Chemical Research*, **2020**, 53, 2189-2200	24.3	27
281	The reduction of a nitroxide spin label as a probe of human blood antioxidant properties. *Free Radical Research*, **2003**, 37, 301-8	4	26
280	The effect of pyrophosphate, tripolyphosphate and ATP on the rate of the Fenton reaction. *Journal of Inorganic Biochemistry*, **2011**, 105, 669-74	4.2	25
279	The reaction mechanism of nitrosothiols with copper(I). *Journal of Biological Inorganic Chemistry*, **2000**, 5, 213-7	3.7	25
278	Copper-(I) and -(II) complexes with tertiary linear polyamines of the type Me2NCH2(CH2NMeCH2)nCH2NMe2(n= 1□). *Journal of the Chemical Society Dalton Transactions*, **1996**, 2055-2060		25
277	Properties of monovalent nickel complexes with tetraaza-macrocyclic ligands in aqueous solutions. *Inorganica Chimica Acta*, **1995**, 240, 503-514	2.7	25
276	Stabilization of copper(I) in aqueous solutions by ligation with the saturated tetra-aza macrocyclic ligand 1,4,5,7,7,8,11,12,14,14,-decamethyl-1,4,8,11-tetra azacyclotetradecane. *Journal of the Chemical Society Chemical Communications*, **1984**, 1683		25
275	Deamination of □-alanine induced by hydroxyl radicals and monovalent copper ions. A pulse radiolysis study. *Inorganica Chimica Acta*, **1992**, 192, 87-93	2.7	24
274	Kinetics of the homolytic dioxygen insertion into the cobalt-carbon bond in (nta)(H2O)CoIII-CH3-. *Inorganic Chemistry*, **1989**, 28, 2511-2512	5.1	24
273	The electrochemical oxidation of divalent nickel complexes with tetra-aza-macrocyclic ligands in aqueous solutions. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1981**, 127, 113-126		24
272	Effect of ligands on reactivity of metal cations towards the hydrated electron. Part 1.□The effect of ethylenediaminetetraacetic acid. *Transactions of the Faraday Society*, **1969**, 65, 1812-1817		24
271	The role of carbonate as a catalyst of Fenton-like reactions in AOP processes: CO3(□) as the active intermediate. *Chemical Communications*, **2014**, 50, 13096-9	5.8	23
270	Three H□□molecules are involved in the "Fenton-like" reaction between Co(H□)□+ and H□□ *Dalton Transactions*, **2014**, 43, 9111-5	4.3	23
269	The mechanism of erythrocyte sedimentation. Part 1: Channeling in sedimenting blood. *Colloids and Surfaces B: Biointerfaces*, **2010**, 75, 214-23	6	23
268	Pressure-Assisted Formation of a Cobalt□arbon □Bond: A High-Pressure Pulse Radiolysis Study. *Angewandte Chemie International Edition in English*, **1991**, 30, 1158-1160		23

267	Deamination of 2-methyl-2-propanamine induced by hydroxyl radicals and metal ions: a comparison between the rates of .beta.-elimination of ammonia and water. *Inorganic Chemistry*, **1992**, 31, 798-803	5.1	23
266	Comproportionation and redox catalyzed isomerization of Cu(II)(1R,4S,8R,11S-1,4,8,11-tetramethyl-1,4,8,11-tetraaza-cyclotetradecane)2+ in aqueous solutions. *Inorganica Chimica Acta*, **2001**, 324, 65-72	2.7	22
265	Tertiary-poly-amine ligands as stabilisers of transition metal complexes with uncommon oxidation states. *Supramolecular Chemistry*, **1996**, 6, 275-279	1.8	22
264	The stabilization of monovalent copper ions by complexation with saturated tertiary amine ligands in aqueous solutions. The case of 2,5,9,12-tetramethyl-2,5,9,12-tetraazatridecane. *Journal of the Chemical Society Chemical Communications*, **1992**, 397		22
263	The role of carbonate in electro-catalytic water oxidation by using Ni(1,4,8,11-tetraazacyclotetradecane). *Dalton Transactions*, **2017**, 46, 10774-10779	4.3	21
262	Compact accelerated precipitation softening (CAPS) as pretreatment for membrane desalination II. Lime softening with concomitant removal of silica and heavy metals. *Desalination*, **1997**, 113, 73-84	10.3	21
261	Kinetics of erythrocyte swelling and membrane hole formation in hypotonic media. *Biochimica Et Biophysica Acta - Biomembranes*, **2002**, 1558, 119-32	3.8	21
260	Syntheses, Structures and Properties of Copper(I) and Copper(II) Complexes of the Ligand N,N?-Bis[2?-(dimethylamino)ethyl]-N,N?-dimethylethane1,2-diamine (Me6trien). *European Journal of Inorganic Chemistry*, **2000**, 2000, 719-726	2.3	21
259	On the lifetime of the transients (NP)-(CH3)n (NP = Ag0, Au0, TiO2 nanoparticles) formed in the reactions between methyl radicals and nanoparticles suspended in aqueous solutions. *Chemistry - A European Journal*, **2012**, 18, 4699-705	4.8	20
258	Effect of Silica-Supported Silver Nanoparticles on the Dihydrogen Yields from Irradiated Aqueous Solutions. *Journal of Physical Chemistry C*, **2007**, 111, 10461-10466	3.8	20
257	Stabilization of nickel(III)-1,8-dimethyl-1,3,6,8,10,13-hexaazacyclotetradecane by axial binding of anions in neutral aqueous solutions. *Inorganica Chimica Acta*, **1993**, 206, 127-130	2.7	20
256	A copper(I) N,N,N',N'',N''-pentamethyldiethylenetriamine complex and its carbon monoxide adduct in aqueous solutions. *Inorganic Chemistry*, **1989**, 28, 2998-3001	5.1	20
255	Reaction of .cntdot.CH2C(CH3)2OH radicals with cobalt(II) tetrasulfophthalocyanine in aqueous solutions. A pulse radiolytic study. *Inorganic Chemistry*, **1983**, 22, 3040-3046	5.1	20
254	An iridium-bipyridine complex as a photosensitizer for the bromide oxidation to bromine by oxygen. *The Journal of Physical Chemistry*, **1985**, 89, 2460-2464		20
253	Reductive Dehalogenation of Monobromo- and Tribromoacetic Acid by Sodium Borohydride Catalyzed by Gold Nanoparticles Entrapped in Sol□Gel Matrices Follows Different Pathways. *European Journal of Inorganic Chemistry*, **2017**, 2017, 1510-1515	2.3	19
252	Sol-gel entrapped Au0- and Ag0-nanoparticles catalyze reductive de-halogenation of halo-organic compounds by BH4□*Applied Catalysis B: Environmental*, **2018**, 239, 450-462	21.8	19
251	The effect of the nano-silica support on the catalytic reduction of water by gold, silver and platinum nanoparticles--nanocomposite reactivity. *Physical Chemistry Chemical Physics*, **2014**, 16, 15422-9	3.6	19
250	pH dependence of the stability constants of copper(I) complexes with fumaric and maleic acids in aqueous solutions. *Inorganica Chimica Acta*, **1997**, 261, 29-35	2.7	19

249	Kinetics and Reaction Mechanisms of Complexes with Cobalt□Carbon □Bonds of the Type {(NH3)5CoR}n+ in Aqueous Solutions, a Pulse Radiolysis Study. *European Journal of Inorganic Chemistry*, **2002**, 2002, 87-92	2.3	19
248	Effect of albumin on the kinetics of ascorbate oxidation. *Biochimica Et Biophysica Acta - General Subjects*, **2001**, 1526, 53-60	4	19
247	Complexes of copper(I) with aromatic compounds in aqueous solutions. *Journal of the Chemical Society Dalton Transactions*, **1999**, 1845-1850		19
246	Equilibrium constants for the homolysis of the metal-carbon .sigma. bond in [(nta)(H2O)MIIICH3]- (M = Mn, Fe, Co; nta = nitrilotriacetate) in aqueous solutions. *Inorganic Chemistry*, **1988**, 27, 3429-3431	5.1	19
245	Reduction of cobalt(III) complexes by intramolecular electron transfer from bound free radicals. A pulse radiolytic study. *Journal of the Chemical Society Dalton Transactions*, **1982**, 943		19
244	Trivalent nickel. I. Pulse radiolytic study of the formation and decomposition of the ammoniacal complex in aqueous solution. *Inorganic Chemistry*, **1972**, 11, 2393-2397	5.1	19
243	Reactivity of Aromatic Compounds towards Hydrogen Atoms. *Nature*, **1966**, 209, 1348-1348	50.4	19
242	Silver(II) Complexes of Tetraazamacrocycles: Studies on e.p.r. and Electron Transfer Kinetics with Thiosulfate Ion. *Transition Metal Chemistry*, **2004**, 29, 463-470	2.1	18
241	Detection of nitric oxide from pig trachea by a fluorescence method. *Analytical Biochemistry*, **2004**, 326, 139-45	3.1	18
240	Copper-(II) and -(I) co-ordination by hexa-amine ligands of different rigidities. A thermodynamic, structural and electrochemical investigation. *Dalton Transactions RSC*, **2000**, 2383-2391		18
239	A 1H NMR study of the complex of cobalt(II) with 2,5,8,11-tetramethyl-2,5,8,11-tetraazadodecane in aerated aqueous solutions. *Inorganica Chimica Acta*, **1995**, 235, 5-8	2.7	18
238	Formation and decomposition of transient complexes with a copper-carbon .sigma.-bond in the reaction of copper(I) phenanthroline with aliphatic free radicals. A pulse radiolysis study. *Inorganic Chemistry*, **1988**, 27, 4130-4135	5.1	18
237	Reactions of B12r with aliphatic free radicals: a pulse-radiolysis study. *Journal of the American Chemical Society*, **1982**, 104, 4124-4128	16.4	18
236	The Fe(citrate) Fenton reaction under physiological conditions. *Journal of Inorganic Biochemistry*, **2020**, 206, 111018	4.2	17
235	Measured rates of fluoride/metal association correlate with rates of superoxide/metal reactions for Fe(III)EDTA(H2O)- and related complexes. *Journal of the American Chemical Society*, **2008**, 130, 1727-34	16.4	17
234	Copper(I) as a Homogeneous Catalyst for the Ullmann Reaction in Aqueous Solutions □The Transformation of 2-Bromobenzoate into Salicylate. *European Journal of Inorganic Chemistry*, **2002**, 2002, 1226-1234	2.3	17
233	Ligand Effects on the Reactivity of CuIL Complexes Towards Cl3CCO2□*European Journal of Inorganic Chemistry*, **2002**, 2002, 423-429	2.3	17
232	Methane as the product of reaction of methyl-coenzyme-M with monovalent nickel complexes in aqueous solutions. A model for the in vivo activity of cofactor F430. *Inorganica Chimica Acta*, **1994**, 227, 1-3	2.7	17

231	Properties of complexes with cobalt–carbon bonds formed by reactions of aliphatic free radicals with nitrilotriacetatecobalt(II) in aqueous solution. A pulse radiolysis study. *Journal of the Chemical Society Faraday Transactions I*, **1988**, 84, 2933		17
230	Mechanism of hydrolysis of the metal-carbon bond in .alpha.-hydroxyalkyl-chromium(III) complexes. Effect of nonparticipating ligands. *Inorganic Chemistry*, **1985**, 24, 4158-4164	5.1	17
229	Formation and properties of the trivalent nickel-ethylene diamine tetra-acetic acid (EDTA) complex in aqueous solutions: A pulse-radiolytic study. *International Journal for Radiation Physics and Chemistry*, **1975**, 7, 611-616		17
228	On the spectroelectrochemical characterization of the electrocatalytic oxidation of Cu(II) ethylenediamine. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1972**, 40, 377-384		17
227	The mechanism of erythrocyte sedimentation. Part 2: The global collapse of settling erythrocyte network. *Colloids and Surfaces B: Biointerfaces*, **2010**, 75, 224-9	6	16
226	PROPERTIES OF TRANSITION METAL COMPLEXES WITH METAL–CARBON BONDS IN AQUEOUS SOLUTIONS AS STUDIED BY PULSE RADIOLYSIS. *Advances in Inorganic Chemistry*, **2004**, 55, 271-313	2.1	16
225	Cu(I)(2,5,8,11-tetramethyl-2,5,8,11-tetraazadodecane)+ as a catalyst for Ullmann's reaction. *Dalton Transactions*, **2003**, 2024-2028	4.3	16
224	The Fenton Reaction in Aerated Aqueous Solutions Revisited. *European Journal of Inorganic Chemistry*, **2005**, 2005, 2875-2880	2.3	16
223	Mechanism of oxidation of the 2-hydroxycyclohexyl radical to cyclopentanecarbaldehyde by copper ions in aqueous solutions. *Inorganic Chemistry*, **1991**, 30, 1849-1854	5.1	16
222	Kinetics of β-hydroxyl elimination from [(H2O)mCuIICH2C(CH3)2Oh]+ in aqueous solution. A pulse-radiolysis Study. *Journal of the Chemical Society Faraday Transactions I*, **1988**, 84, 4157		16
221	Ring Size Effect on the Chemical Properties of Monovalent Nickel Complexes with Tetraazamacrocyclic Ligands in Aqueous Solutions. *Israel Journal of Chemistry*, **1985**, 25, 118-121	3.4	16
220	Oxidation, reduction, and copper-carbon bond formation in the reactions of copper(II) tetraglycine with pulse radiolytically generated free radicals. *Inorganic Chemistry*, **1980**, 19, 1373-1379	5.1	16
219	On the EPR spectrum of the trivalent nickel EDTA complex in aqueous solutions. *Chemical Physics Letters*, **1975**, 33, 286-288	2.5	16
218	The "Fenton like" reaction of MoO43- involves two H2O2 molecules. *Dalton Transactions*, **2013**, 42, 16666-8	4.5	15
217	Acoustic cavitation in phacoemulsification and the role of antioxidants. *Ultrasound in Medicine and Biology*, **2005**, 31, 1123-9	3.5	15
216	Stereospecificity of the .beta.-hydroxyl elimination from the (hydroxyalkyl)chromium complex (H2O)5CrIII-CH(CH3)CH(CH3)OH2+. *Journal of the American Chemical Society*, **1991**, 113, 5292-5299	16.4	15
215	Kinetics of the β-hydroxy elimination reactions from the protoporphyrin iron(III)–CHRCH2OH complexes in aqueous solutions. A pulse-radiolytic study. *Journal of the Chemical Society Faraday Transactions I*, **1986**, 82, 3431		15
214	An intermediate with a copper–carbon bond formed by the reaction of copper ions with ·CH2CO2H radicals in aqueous solutions. *Journal of the Chemical Society Chemical Communications*, **1977**, 127-128		15

213	Carbonate and carbonate anion radicals in aqueous solutions exist as CO(HO) and CO(HO)□ respectively: the crucial role of the inner hydration sphere of anions in explaining their properties. *Physical Chemistry Chemical Physics*, **2018**, 20, 9429-9435	3.6	14
212	EPR Measurements corroborate information concerning the nature of (H2O)5CrIII□lkyl complexes. *Dalton Transactions RSC*, **2000**, 3082-3085		14
211	Design of Ligands Which Improve Cu(I) Catalysis. *Industrial & Engineering Chemistry Research*, **2000**, 39, 3536-3540	3.9	14
210	Free radicals induced peptide damage in the presence of transition metal ions: a plausible pathway for biological deleterious processes. *Free Radical Biology and Medicine*, **1994**, 17, 11-8	7.8	14
209	Mechanism of Decomposition of CuIII(GlyGlyHis): A Pulse Radiolysis Study. *Inorganic Chemistry*, **1994**, 33, 3255-3260	5.1	14
208	Metal Induced Decarboxylation of Aliphatic Free Radicals. I. Kinetics of the Reactions of Copper(I) and Copper(II) Ions with the 2-Methyl-2-Carboxylicacid-Propyl Free Radical in Aqueous Solutions. A Pulse Radiolysis Study. *Israel Journal of Chemistry*, **1990**, 30, 361-368	3.4	14
207	Mechanism of oxidation of aquated copper(II) ions by hydroxyl free radicals. A high-pressure pulse-radiolysis experiment. *Inorganica Chimica Acta*, **1990**, 177, 31-34	2.7	14
206	Effect of nitrilotriacetate on the mechanism of reduction of copper(II) ions by .alpha.-hydroxyalkyl free radicals via complexes with copper-carbon bonds as intermediates. A pulse-radiolytic study. *Inorganic Chemistry*, **1986**, 25, 4897-4900	5.1	14
205	Reduction of cobalt(III) complexes by monovalent zinc, cadmium, and nickel ions in aqueous solutions. *The Journal of Physical Chemistry*, **1969**, 73, 1091-1095		14
204	Effect of ligands on reactivity of metal cations towards the hydrated electron. Part 2.□ffect of glycine, ethylenediamine and nitrilotriacetic acid. *Transactions of the Faraday Society*, **1969**, 65, 1818-1826		14
203	Mechanistic Studies on the Role of [Cu (CO)] as a Water Oxidation Catalyst: Carbonate as a Non-Innocent Ligand. *Chemistry - A European Journal*, **2018**, 24, 1088-1096	4.8	13
202	Coating Platinum Nanoparticles with Methyl Radicals: Effects on Properties and Catalytic Implications. *Chemistry - A European Journal*, **2015**, 21, 19000-9	4.8	13
201	The chemistry of monovalent copper in aqueous solutions. *Advances in Inorganic Chemistry*, **2012**, 64, 219-261	2.1	13
200	Coating Pt(0) nanoparticles with methyl groups: the reaction between methyl radicals and Pt(0)-NPs suspended in aqueous solutions. *Chemistry - A European Journal*, **2012**, 18, 6733-6	4.8	13
199	On the reactions of methyl radicals with TiO2 nanoparticles and granular powders immersed in aqueous solutions. *Chemistry - A European Journal*, **2011**, 17, 9226-31	4.8	13
198	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	5.1	13
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196	Activation energies for an intramolecular electron transfer reaction. *Inorganic Chemistry*, **1980**, 19, 966-968	5.1	13

195	Intramolecular Electron Transfer of Coordinated Pyrazinecarboxylato Radicals to Cobalt(III): A Pulse Radiolytic Study. *Angewandte Chemie International Edition in English*, **1978**, 17, 608-609		13
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