Dan M Meyerstein

List of Publications by Year
in descending order

352	7,261	93792	124990
papers	citations	39 h-index	64 g-index

366	366	366	5443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanisms of Reaction Between Co(II) Complexes and Peroxymonosulfate. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	3
2	Mechanistic implications of the solvent kinetic isotope effect in the hydrolysis of NaBH4. International Journal of Hydrogen Energy, 2022, 47, 3972-3979.	3.8	8
3	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.	1.3	5
4	Visible Light-Induced Catalyst-Free Activation of Peroxydisulfate: Pollutant-Dependent Production of Reactive Species. Environmental Science & Technology, 2022, 56, 2626-2636.	4.6	58
5	DFT Study of the BH₄^{â˜’} Hydrolysis on Au(111) Surface. ChemPhysChem, 2022, 23, .	1.0	3
6	Sol-gel matrices for the separation of uranyl and other heavy metals. Journal of Environmental Chemical Engineering, 2022, 10, 108142.	3.3	4
7	On the reactions of Cu(II/I)ATP complexes with methyl radicals. Journal of Inorganic Biochemistry, 2022, 234, 111883.	1.5	0
8	What Are the Oxidizing Intermediates in the Fenton and Fenton-like Reactions? A Perspective. Antioxidants, 2022, 11, 1368.	2.2	13
9	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.	1.3	11
10	Kinetics of the reaction of H₂ with Pt⁰-nanoparticles in aqueous suspensions monitored by the catalytic reduction of PW₁₂O₄₀^{3â˜’}. Inorganic Chemistry Frontiers, 2021, 8, 989-995.	3.0	2
11	Redox Properties of CeIVDOTA in Carbonated Aqueous Solutions. A Radiolytic and an Electrochemical Study. Journal of Physical Chemistry A, 2021, 125, 1436-1446.	1.1	2
12	Na3[Ru2(Âµ-CO3)4] as a Homogeneous Catalyst for Water Oxidation; HCO3â˜’ as a Co-Catalyst. Catalysts, 2021, 11, 281.	1.6	9
13	Advanced solâ€“gel process for efficient heterogeneous ring-closing metathesis. Scientific Reports, 2021, 11, 12506.	1.6	3
14	Silica Support Affects the Catalytic Hydrogen Evolution by Silver. European Journal of Inorganic Chemistry, 2021, 2021, 3054-3058.	1.0	7
15	Re-examining Fenton and Fenton-like reactions. Nature Reviews Chemistry, 2021, 5, 595-597.	13.8	91
16	The Role of Common Alcoholic Sacrificial Agents in Photocatalysis: Is It Always Trivial?. Chemistry - A European Journal, 2021, 27, 15936-15943.	1.7	10
17	Calculating the adsorption energy of a charged adsorbent in a periodic metallic system â€“ the case of BH₄^{â˜’} hydrolysis on the Ag(111) surface. Physical Chemistry Chemical Physics, 2021, 23, 25667-25678.	1.3	12
18	â€œDoing More with Lessâ€: Ni(II)@ORMOSIL, a Novel Sol-Gel Pre-Catalyst for the Reduction of Nitrobenzene. Catalysts, 2021, 11, 1391.	1.6	5

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19	Cobalt Carbonate as an Electrocatalyst for Water Oxidation. Chemistry - A European Journal, 2020, 26, 711-720.	1.7	12
20	ORMOSIL-entrapped copper complex as electrocatalyst for the heterogeneous de-chlorination of alkyl halides. Inorganica Chimica Acta, 2020, 500, 119225.	1.2	7
21	Zero-valent iron nanoparticles entrapped in SiO2 sol-gel matrices: A catalyst for the reduction of several pollutants. Catalysis Communications, 2020, 133, 105819.	1.6	12
22	On the mechanism of reduction of M(H₂O)_mⁿ⁺ by borohydride: the case of Ag(H₂O)₂⁺. Nanoscale, 2020, 12, 1657-1672.	2.8	13
23	Reductive Dechlorination of Chloroacetamides with NaBH4 Catalyzed by Zero Valent Iron, ZVI, Nanoparticles in ORMOSIL Matrices Prepared via the Sol-Gel Route. Catalysts, 2020, 10, 986.	1.6	3
24	The Role of Carbonate in Catalytic Oxidations. Accounts of Chemical Research, 2020, 53, 2189-2200.	7.6	78
25	On the Differences in the Mechanisms of Reduction of AuCl₂^{â€“} and Ag(H₂O)₂⁺ with BH₄^{â€“}. Journal of Physical Chemistry A, 2020, 124, 10765-10776.	1.1	6
26	New insights into HER catalysis: the effect of nano-silica support on catalysis by silver nanoparticles. Physical Chemistry Chemical Physics, 2020, 22, 6401-6405.	1.3	9
27	The FeII(citrate) Fenton reaction under physiological conditions. Journal of Inorganic Biochemistry, 2020, 206, 111018.	1.5	36
28	The reactions of the Cu(II)-nitrilotris(methylenephosphonic acid) complex with alkyl radicals in aqueous solutions. Inorganica Chimica Acta, 2020, 511, 119759.	1.2	0
29	Plausible roles of carbonate in catalytic water oxidation. Advances in Inorganic Chemistry, 2019, 74, 343-360.	0.4	14
30	On the reactions of methyl radicals with nitrilotris(methylenephosphonic-acid) complexes in aqueous solutions. Journal of Coordination Chemistry, 2019, 72, 3445-3457.	0.8	3
31	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.	1.3	79
32	A chemically modified silica-gel as an ion exchange resin for pre-concentration of actinides and lanthanides. Inorganica Chimica Acta, 2019, 486, 642-647.	1.2	12
33	Carbonate and carbonate anion radicals in aqueous solutions exist as CO₃(H₂O)₆^{2â^’} and CO₃(H₂O)₆Ë™^{â^’} respectively: the crucial role of the inner hydration sphere of anions in explaining their properties. Physical Chemistry Chemical Physics, 2018, 20, 9429-9435.	1.3	26
34	Israel Chemical Society Prizes: Y. Apeloig, S. Shaik, J.â€…M.â€…L. Martin, D. Meyerstein, S. Ruthstein, and M.â€…E. vanâ€…derâ€…Boom / NAS Award in Chemical Sciences: J.â€…A. Doudna / Remsen Award and Ralphâ€…N. Adams Award: C.â€…A. Mirkin. Angewandte Chemie - International Edition, 2018, 57, 4833-4834.	12	0
35	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.	1.7	21
36	The Chemical Properties of Hydrogen Atoms Adsorbed on M⁰â€Nanoparticles Suspended in Aqueous Solutions: The Case of Ag⁰â€NPs and Au⁰â€NPs Reduced by BD₄^{â^’}. Angewandte Chemie, 2018, 130, 16763-16766.	1.6	3

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37	The Chemical Properties of Hydrogen Atoms Adsorbed on M⁰â€Nanoparticles Suspended in Aqueous Solutions: The Case of Ag⁰â€NPs and Au⁰â€NPs Reduced by BD₄^{â^'}. Angewandte Chemie - International Edition, 2018, 57, 16525-16528.	7.2	18
38	Mechanisms of Reduction of M(H₂O)_kⁿ⁺ To Form MÂ°-Nano-Particles in Aqueous Solutions Differs from That Commonly Assumed: The Reduction of Ag(H₂O)₂⁺ by H₂. Journal of Physical Chemistry C, 2018, 122, 25043-25050.	1.5	5
39	Copper(II) catalyses the reduction of perchlorate by both formaldehyde and by dihydrogen in aqueous solutions. Journal of Coordination Chemistry, 2018, 71, 2905-2912.	0.8	2
40	Sol-gel entrapped Au0- and Ag0-nanoparticles catalyze reductive de-halogenation of halo-organic compounds by BH4â^'. Applied Catalysis B: Environmental, 2018, 239, 450-462.	10.8	22
41	Polyoxometalates entrapped in sol-gel matrices as electron exchange columns and catalysts for the reductive de-halogenation of halo-organic acids in water. Journal of Coordination Chemistry, 2018, 71, 3180-3193.	0.8	5
42	Reactions of Aliphatic Carbon-Centered and Aliphatic-Peroxyl Radicals with Transition Metal Complexes as a Plausible Source for Biological Damage Induced by Radical Processes. , 2018, , 41-77.		0
43	Reductive Dehalogenation of Monobromoâ€•and Tribromoacetic Acid by Sodium Borohydride Catalyzed by Gold Nanoparticles Entrapped in Solâ€“Gel Matrices Follows Different Pathways. European Journal of Inorganic Chemistry, 2017, 2017, 1510-1515.	1.0	23
44	Halo-organic pollutants: The effect of an electrical bias on their decomposition mechanism on porous iron electrodes. Applied Catalysis B: Environmental, 2017, 210, 255-262.	10.8	11
45	The role of carbonate in electro-catalytic water oxidation by using Ni(1,4,8,11-tetraazacyclotetradecane)²⁺. Dalton Transactions, 2017, 46, 10774-10779.	1.6	27
46	Pd0 - and Au0 -Nanoparticles Catalyze the Reduction of Perchlorate by Â·C(CH3)2 OH Radicals. European Journal of Inorganic Chemistry, 2017, 2017, 3655-3660.	1.0	7
47	Bromate reduction by an electron exchange column. Chemical Engineering Journal, 2017, 330, 419-422.	6.6	11
48	Resistance Improvement of Aluminum Surface to Corrosion Through Reactions With Fluoride Ions. Journal of Nuclear Engineering and Radiation Science, 2017, 3, .	0.2	0
49	Homogeneous and heterogeneous electrocatalytic reduction of halo-organic compounds by (NiIILi)2+ (Li= tetraaza-macrocyclic ligand) in aqueous solutions. Inorganica Chimica Acta, 2017, 466, 502-509.	1.2	7
50	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.	1.0	1
51	The plausible role of carbonate in photo-catalytic water oxidation processes. Physical Chemistry Chemical Physics, 2016, 18, 11069-11072.	1.3	16
52	Polyoxometalates entrapped in solâ€“gel matrices for reducing electron exchange column applications. Journal of Coordination Chemistry, 2016, 69, 3449-3457.	0.8	6
53	Effect of Hydrogen Pretreatment of Platinum Nanoparticles on their Catalytic Properties: Reactions with Alkyl Radicals â€“ A Mechanistic Study. ChemCatChem, 2016, 8, 2761-2764.	1.8	12
54	Electrocatalytic Oxidation of Amines by NiÂ(1,4,8,11â€tetraazacyclotetradecane)²⁺ Entrapped in Solâ€“Gel Electrodes. European Journal of Inorganic Chemistry, 2016, 2016, 440-440.	1.0	0

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55	The reaction between the peroxide VO(Î·²-O₂)(pyridine-2-carboxylate)Â·2H₂O and Fe^{II}_{aq} is not a Fenton-like reaction. Journal of Coordination Chemistry, 2016, 69, 1722-1729.	0.8	3
56	Different oxidation mechanisms of Mn^{II}(polyphosphate)_n by the radicals and. Journal of Coordination Chemistry, 2016, 69, 1709-1721.	0.8	6
57	Penta-glycine copper(II) complexes in slightly alkaline solutions. Inorganica Chimica Acta, 2016, 450, 211-215.	1.2	3
58	Electrocatalytic Oxidation of Amines by NiÂ(1,4,8,11â€tetraazacyclotetradecane)²⁺ Entrapped in Solâ€“Gel Electrodes. European Journal of Inorganic Chemistry, 2016, 2016, 459-463.	1.0	6
59	Coating Platinum Nanoparticles with Methyl Radicals: Effects on Properties and Catalytic Implications. Chemistry - A European Journal, 2015, 21, 19000-19009.	1.7	14
60	Design of a ligand suitable for sensitive uranyl analysis in aqueous solutions. Journal of Coordination Chemistry, 2015, 68, 3079-3087.	0.8	1
61	Plausible Mechanisms of the Fenton-Like Reactions, M = Fe(II) and Co(II), in the Presence of RCO₂^{â€“} Substrates: Are OH^{â€¢} Radicals Formed in the Process?. Journal of Physical Chemistry A, 2015, 119, 4200-4206.	1.1	31
62	Is Measuring OH[.] Radical Scavenging a Reasonable Measurement of Antioxidant Properties?. Israel Journal of Chemistry, 2014, 54, 279-283.	1.0	6
63	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.	1.0	2
64	Covalent binding of a nickel macrocyclic complex to a silica support: towards an electron exchange column. Dalton Transactions, 2014, 43, 103-110.	1.6	6
65	The effect of the nano-silica support on the catalytic reduction of water by gold, silver and platinum nanoparticles â€“ nanocomposite reactivity. Physical Chemistry Chemical Physics, 2014, 16, 15422-15429.	1.3	21
66	The role of carbonate as a catalyst of Fenton-like reactions in AOP processes: CO₃Ë™^{â^'} as the active intermediate. Chemical Communications, 2014, 50, 13096-13099.	2.2	30
67	Three H2O2 molecules are involved in the â€œFenton-likeâ€•reaction between Co(H2O)62+ and H2O2. Dalton Transactions, 2014, 43, 9111.	1.6	29
68	Pentaglycineâ€“Ni^{II} Complex: From Kinetics to Structure. European Journal of Inorganic Chemistry, 2013, 2013, 3191-3194.	1.0	2
69	Comment on the section: â€œAntioxidant measurements and hydroxyl radical scavenging activityâ€•in synthesis, characterization, DNA binding, and antioxidant activities of four copper(II) complexes containing N-(3-hydroxybenzyl)-amino amide ligands, by Zhi Li-Hua, Wu Wei-Na, Wang Yuan, Sun Guang, J. Coord. Chem., 66, 227 (2013). Journal of Coordination Chemistry, 2013, 66, 2076-2078.	0.8	10
70	Pyrophosphate as a stabilizer of Ni(III) ions in aqueous solutions. Inorganica Chimica Acta, 2013, 405, 72-76.	1.2	7
71	The mechanism of the polymer-induced drag reduction in blood. Colloids and Surfaces B: Biointerfaces, 2013, 103, 354-359.	2.5	11
72	The â€œFenton likeâ€•reaction of MoO43â^' involves two H2O2 molecules. Dalton Transactions, 2013, 42, 16666.	1.6	28

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73	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.	1.1	5
74	ions do not catalyze the decomposition of peroxomonosulfate. Journal of Coordination Chemistry, 2013, 66, 4355-4362.	0.8	1
75	The role of the cation in the oxygen isotopic exchange in crystalline sulfate salt hydrates. Adsorption, 2013, 19, 821-833.	1.4	0
76	The Cu(i) catalyzed Meerwein reaction in aqueous solutions proceeds via a radical mechanism. The effect of several ligands. Dalton Transactions, 2013, 42, 4985.	1.6	3
77	Erythrocyte swelling and membrane hole formation in hypotonic media as studied by conductometry. Physiological Measurement, 2013, 34, 139-150.	1.2	3
78	Comment on â€œMechanism of Pt^{IV} Sonochemical Reduction in Formic Acid Media and Pure Waterâ€• Chemistry - A European Journal, 2013, 19, 17210-17212.	1.7	2
79	Catalytic hydrogen oxidation using zeolite RHO modified by silver nanoparticles. Glass Physics and Chemistry, 2012, 38, 455-459.	0.2	9
80	The redox chemistry of copper tetraphenylporphyrin revisited. Journal of Porphyrins and Phthalocyanines, 2012, 16, 1124-1131.	0.4	7
81	The chemistry of monovalent copper in aqueous solutions. Advances in Inorganic Chemistry, 2012, 64, 219-261.	0.4	19
82	On the Lifetime of the Transients (NP)ï£¿(CH₃)_n (NP=Ag⁰,) Tj ETQq0 0 0 rgBT /Overlock 1 and Nanoparticles Suspended in Aqueous Solutions. Chemistry - A European Journal, 2012, 18, 4699-4705.	1.7	22
83	Coating Pt⁰ Nanoparticles with Methyl Groups: The Reaction Between Methyl Radicals and Pt⁰ï£¿NPs Suspended in Aqueous Solutions. Chemistry - A European Journal, 2012, 18, 6733-6736.	1.7	14
84	Computational Investigations into Hydrogen-Atom Abstraction from Rhodium Hydride Complexes by Methyl Radicals in Aqueous Solution. European Journal of Inorganic Chemistry, 2011, 2011, 4901-4905.	1.0	1
85	Electron Exchange Columns through Entrapment of a Nickel Cyclam in a Solâ€“Gel Matrix. Chemistry - A European Journal, 2011, 17, 5188-5192.	1.7	8
86	On the Reactions of Methyl Radicals with TiO₂ Nanoparticles and Granular Powders Immersed in Aqueous Solutions. Chemistry - A European Journal, 2011, 17, 9226-9231.	1.7	13
87	Inside Cover: Electron Exchange Columns through Entrapment of a Nickel Cyclam in a Solâ€“Gel Matrix (Chem. Eur. J. 18/2011). Chemistry - A European Journal, 2011, 17, 4930-4930.	1.7	0
88	The one-electron reduction of a multi-centred iron(III) polyoxometallate. A pulse radiolysis study. Inorganic Chemistry Communication, 2011, 14, 1390-1392.	1.8	3
89	The effect of the prior flow velocity on the structural organization of aggregated erythrocytes in the quiescent blood. Colloids and Surfaces B: Biointerfaces, 2011, 82, 518-525.	2.5	5
90	The effect of pyrophosphate, tripolyphosphate and ATP on the rate of the Fenton reaction. Journal of Inorganic Biochemistry, 2011, 105, 669-674.	1.5	30

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91	The mechanism of erythrocyte sedimentation. Part 2: The global collapse of settling erythrocyte network. Colloids and Surfaces B: Biointerfaces, 2010, 75, 224-229.	2.5	20
92	The Effect of an Electrical Bias on the Mechanism of Decomposition of Transients with Metalâ€“Carbon Ïƒ Bonds. European Journal of Inorganic Chemistry, 2010, 2010, 3252-3255.	1.0	5
93	Substantial Inverse Isotope Effects in the Hydrogen Atom Abstraction from [(L)ClRh^{III}ï£¿H/D]⁺ Macrocyclic Complexes by Methyl Radicals in Aqueous Solutions. Chemistry - A European Journal, 2010, 16, 460-463.	1.7	2
94	Is it always correct to use the Marcus cross relation for calculations of electron self-exchange rates?. Inorganica Chimica Acta, 2010, 363, 737-740.	1.2	3
95	Anions as stabilizing ligands for Ni(III)(cyclam) in aqueous solutions. Inorganica Chimica Acta, 2010, 363, 2819-2823.	1.2	13
96	On the mechanisms of the reaction of dodecatungstophosphate with alkyl radicals in aqueous solutions. Inorganica Chimica Acta, 2010, 363, 4202-4206.	1.2	3
97	The mechanism of erythrocyte sedimentation. Part 1: Channeling in sedimenting blood. Colloids and Surfaces B: Biointerfaces, 2010, 75, 214-223.	2.5	32
98	On the reaction mechanism of MoS42â^' with nitric oxide. Inorganic Chemistry Communication, 2010, 13, 589-592.	1.8	0
99	On the mechanism of reduction of maleate by a Co(I) complex with a macrocylic ligand in aqueous solutions. Journal of Coordination Chemistry, 2010, 63, 2528-2541.	0.8	3
100	Photochemical induced growth and aggregation of metal nanoparticles in diode-array spectrophotometer via excited dimethyl-sulfoxide. Physical Chemistry Chemical Physics, 2010, 12, 12862.	1.3	10
101	On the mechanism of reduction of maleate and fumarate by NiI(1,4,8,11-tetraazacyclotetradecane)+ in aqueous solutions. Dalton Transactions, 2010, 39, 823-833.	1.6	7
102	A Mechanistic Study of the Effects of Antioxidants on the Formation of Malondialdehydeâ€Like Products in the Reaction of Hydroxyl Radicals with Deoxyribose. Chemistry - A European Journal, 2009, 15, 7717-7723.	1.7	9
103	New Mechanistic Aspects of the Fenton Reaction. Chemistry - A European Journal, 2009, 15, 8303-8309.	1.7	98
104	Irregular Changes in the Structure of Flowing Blood at Low Flow Conditions. Annals of Biomedical Engineering, 2009, 37, 2488-2496.	1.3	3
105	A novel CeIII-cyclam type complex and its redox chemistry in aqueous solutions. Research on Chemical Intermediates, 2009, 35, 543-554.	1.3	0
106	A new chelate ligand designed for the uranyl ion. Coordination Chemistry Reviews, 2009, 253, 2049-2055.	9.5	8
107	Reactions of Alkyl Peroxyl Radicals with Metal Nanoparticles in Aqueous Solutions. Journal of Physical Chemistry C, 2009, 113, 3281-3286.	1.5	10
108	Superoxide dismutase activity of corrole metal complexes. Dalton Transactions, 2009, , 7879.	1.6	59

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109	Neonatal blood is more resistant to oxidative stress induced by stable nitroxide radicals than adult blood. Archives of Gynecology and Obstetrics, 2008, 277, 233-237.	0.8	4
110	Mechanism of the Reaction of Radicals with Peroxides and Dimethyl Sulfoxide in Aqueous Solution. Chemistry - A European Journal, 2008, 14, 5880-5889.	1.7	55
111	Reduction of Ethylene by Ni^I(cyclam)⁺in Aqueous Solutions. Journal of Physical Chemistry A, 2008, 112, 12769-12771.	1.1	7
112	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, 1727-1734.	6.6	17
113	Protective effect of free-radical scavengers on corneal endothelial damage in phacoemulsification. Journal of Cataract and Refractive Surgery, 2007, 33, 310-315.	0.7	36
114	Mechanism of reaction of alkyl radicals with (NiIIL)2+ complexes in aqueous solutions. Dalton Transactions, 2007, , 3959.	1.6	9
115	Effect of Silica-Supported Silver Nanoparticles on the Dihydrogen Yields from Irradiated Aqueous Solutions. Journal of Physical Chemistry C, 2007, 111, 10461-10466.	1.5	23
116	Ligand Effects on the Chemical Activity of Copper(I) Complexes: Outer- and Inner-Sphere Oxidation of CuIL. European Journal of Inorganic Chemistry, 2007, 2007, 530-536.	1.0	11
117	Reductive Nitrosation of Peptides Ligated to Highâ€Valent Metal Cations. European Journal of Inorganic Chemistry, 2007, 2007, 5029-5031.	1.0	11
118	Reductive nitrosation of methyl amine ligated to a nickel(III) complex. Inorganic Chemistry Communication, 2007, 10, 57-60.	1.8	7
119	Reactions of alkyl-radicals with gold and silver nanoparticles in aqueous solutions. Physical Chemistry Chemical Physics, 2006, 8, 3552.	1.3	46
120	Î²-Elimination in the Reactions of Â·CR1R2CR3R4X Radicals with Metal Powders Immersed in Aqueous Solutions. Inorganic Chemistry, 2006, 45, 7389-7396.	1.9	8
121	Antioxidant properties of bucillamine: Possible mode of action. Biochemical and Biophysical Research Communications, 2006, 349, 1171-1175.	1.0	42
122	Reduction of maleate and fumarate by the anion radical. Tetrahedron Letters, 2006, 47, 1093-1096.	0.7	10
123	Pyrophosphate and ATP as Stabilizing Ligands for High-Valent Nickel Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 523-525.	1.0	2
124	Mechanism of reaction of peroxomethyl radicals with copper(II)(glycine)2 and copper(II)(glycylglycylglycine) in aqueous solutions. Inorganica Chimica Acta, 2005, 358, 2199-2206.	1.2	10
125	Formation of an observable intermediate during the reduction of [Co(III)(NH3)5CN]2+ by CR1R2(OH) radicals. Inorganica Chimica Acta, 2005, 358, 2821-2826.	1.2	0
126	Oxidation of organic substrates in aerated aqueous solutions by the Fenton reagent. Coordination Chemistry Reviews, 2005, 249, 1937-1943.	9.5	72

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127	Reduction of CCl4 by Iron Powder in Aqueous Solution. European Journal of Inorganic Chemistry, 2005, 2005, 1227-1229.	1.0	7
128	The Fenton Reaction in Aerated Aqueous Solutions Revisited. European Journal of Inorganic Chemistry, 2005, 2005, 2875-2880.	1.0	21
129	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.	1.0	0
130	Mechanism of Isomerization of Ni(cyclam) in Aqueous Solutions. European Journal of Inorganic Chemistry, 2005, 2005, 4997-5004.	1.0	5
131	Redox Chemistry of Nickel Complexes in Aqueous Solutions. ChemInform, 2005, 36, no.	0.1	0
132	Acoustic cavitation in phacoemulsification and the role of antioxidants. Ultrasound in Medicine and Biology, 2005, 31, 1123-1129.	0.7	17
133	Reactions of alkyl radicals with metal powders immersed in aqueous solutions. Glass Physics and Chemistry, 2005, 31, 115-118.	0.2	3
134	Redox Chemistry of Nickel Complexes in Aqueous Solutions. Chemical Reviews, 2005, 105, 2609-2626.	23.0	93
135	Silver(II) Complexes of Tetraazamacrocycles: Studies on e.p.r. and Electron Transfer Kinetics with Thiosulfate Ion. Transition Metal Chemistry, 2004, 29, 463-470.	0.7	20
136	Oxidation of CH3NH2 and (CH3)2NH by NiIII(cyclam)(H2O)23+ in Aqueous Solutions. European Journal of Inorganic Chemistry, 2004, 2004, 4002-4005.	1.0	5
137	Mechanism of Reduction of the Nitrite Ion by CuI Complexes. European Journal of Inorganic Chemistry, 2004, 2004, 3675.	1.0	15
138	Radical Catalyzed Debromination of Bromo-Alkanes by Formate in Aqueous Solutions via a Hydrogen Atom Transfer Mechanism.. ChemInform, 2004, 35, no.	0.1	0
139	Radical catalyzed debromination of bromo-alkanes by formate in aqueous solutions via a hydrogen atom transfer mechanism. Tetrahedron Letters, 2004, 45, 989-992.	0.7	9
140	Detection of nitric oxide from pig trachea by a fluorescence method. Analytical Biochemistry, 2004, 326, 139-145.	1.1	18
141	PROPERTIES OF TRANSITION METAL COMPLEXES WITH METALâ€“CARBON BONDS IN AQUEOUS SOLUTIONS AS STUDIED BY PULSE RADIOLYSIS. Advances in Inorganic Chemistry, 2004, 55, 271-313.	0.4	17
142	THE POSSIBLE PROTECTIVE EFFECTS OF ANTIOXIDANTS IN ULTRASOUND-ASSISTED LIPOPLASTY. Plastic and Reconstructive Surgery, 2004, 113, 788-789.	0.7	0
143	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.	1.0	8
144	Reaction of Methyl Radicals with Metal Powders Immersed in Aqueous Solutions. European Journal of Inorganic Chemistry, 2003, 2003, 4227-4233.	1.0	35

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145	Reduction of carbon dioxide during the synthesis of metal nano-particles in water. Inorganic Chemistry Communication, 2003, 6, 1266-1268.	1.8	2
146	Reduction of the Allylic Substituents in NiI(1,8-dipropenyl-1,4,8,11-tetraazacyclotetradecane)+by the Central Ni(I) in Aqueous Solutions. Inorganic Chemistry, 2003, 42, 7156-7161.	1.9	4
147	The Reduction of a Nitroxide Spin Label as a Probe of Human Blood Antioxidant Properties. Free Radical Research, 2003, 37, 301-308.	1.5	31
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