

Radu Silaghi-Dumitrescu

List of Publications by Year in descending order

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174
papers

3,347
citations

159585

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h-index

189892

50
g-index

191
all docs

191
docs citations

191
times ranked

4129
citing authors

#	ARTICLE	IF	CITATIONS
1	The dynamics of hemoglobin-haptoglobin complexes. Relevance for oxidative stress. Journal of Molecular Structure, 2022, 1250, 131703.	3.6	3
2	Effect of <i>trans</i> -ligand on properties of nitric oxide motif in nitrosylcobinamide. Journal of Coordination Chemistry, 2022, 75, 1606-1616.	2.2	2
3	New methylene blue analogues with N-piperidinyl-carbinol units: Synthesis, optical properties and in vitro internalization in human ovarian cancer cells. Dyes and Pigments, 2022, 205, 110460.	3.7	4
4	Formation of hydroxyl radical in aqueous solutions containing selenite and glutathione. Polyhedron, 2021, 198, 115072.	2.2	2
5	Binuclear ethylenedithiolate iron carbonyls: A density functional theory study. Inorganica Chimica Acta, 2021, 519, 120260.	2.4	2
6	Vincristine affects the redox reactivity of hemoglobin. Studia Universitatis Babes-Bolyai Chemia, 2021, 66, 325-332.	0.2	0
7	Adduct of Aquacobalamin with Hydrogen Peroxide. Inorganic Chemistry, 2021, 60, 12681-12684.	4.0	13
8	Poly(lactic acid) interactions with bioceramic surfaces. Studia Universitatis Babes-Bolyai Chemia, 2021, 66, 107-121.	0.2	0
9	Preparation and In Vitro Characterization of Gels Based on Bromelain, Whey and Quince Extract. Gels, 2021, 7, 191.	4.5	5
10	Kinetic, spectroscopic and in silico characterization of the first step of the reaction between glutathione and selenite. Inorganica Chimica Acta, 2020, 499, 119215.	2.4	2
11	Importance of the iron-sulfur component and of the siroheme modification in the resting state of sulfite reductase. Journal of Inorganic Biochemistry, 2020, 203, 110928.	3.5	4
12	Glutaraldehyde-Polymerized Hemoglobin: In Search of Improved Performance as Oxygen Carrier in Hemorrhage Models. Bioinorganic Chemistry and Applications, 2020, 2020, 1-11.	4.1	6
13	Excess Ascorbate is a Chemical Stress Agent against Proteins and Cells. Pharmaceuticals, 2020, 13, 107.	3.8	3
14	Stability of Glutaraldehyde in Biocide Compositions. International Journal of Molecular Sciences, 2020, 21, 3372.	4.1	11
15	Neutral Rhenadiboranes with Re(CO) ₂ (NO) Vertices: A Theoretical Study of Building Blocks for Rhenacarborane-Based Drug Delivery Agents. Molecules, 2020, 25, 110.	3.8	2
16	On the Apparent Redox Reactivity of "Oxygen-Enriched Water". Biological Trace Element Research, 2020, 198, 350-358.	3.5	1
17	"Yellow" laccase from <i>Sclerotinia sclerotiorum</i> is a blue laccase that enhances its substrate affinity by forming a reversible tyrosyl-product adduct. PLoS ONE, 2020, 15, e0225530.	2.5	19
18	Interaction of cobalt and iron hydroperoxo bleomycin with deoxyribonucleic acid (DNA): Dynamic vs. electronic structure considerations. Inorganica Chimica Acta, 2020, 509, 119682.	2.4	4

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19	FREE RADICAL SCAVENGING ACTIVITY AND TOTAL POLYPHENOL CONTENT OF SECURIDACA LONGIPEDUNCULATA ROOTS AND LEAVES EXTRACTS. <i>Farmacia</i> , 2020, 68, 116-120.	0.4	4
20	Spin labelled hemoglobin-based oxygen carriers (HBOC): preparation and evaluation of in vivo / in vitro stability. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2020, 65, 121-132.	0.2	0
21	Title is missing!. , 2020, 15, e0225530.		0
22	Title is missing!. , 2020, 15, e0225530.		0
23	Title is missing!. , 2020, 15, e0225530.		0
24	Title is missing!. , 2020, 15, e0225530.		0
25	The group 9 cyclopentadienylmetal <i>cis</i> -ethylenedithiolates as metallodithiolene ligands in metal carbonyl chemistry: analogies to benzene metal carbonyl complexes. <i>New Journal of Chemistry</i> , 2019, 43, 12711-12718.	2.8	0
26	Design, synthesis and structure of novel dendritic G-2 melamines comprising piperidine motifs as key linkers and 4-(n-octyloxy)aniline as a peripheral unit. <i>Tetrahedron</i> , 2019, 75, 130468.	1.9	0
27	Affinity and Effect of Anticancer Drugs on the Redox Reactivity of Hemoglobin. <i>Chemical Research in Toxicology</i> , 2019, 32, 1402-1411.	3.3	4
28	Remarkable rutin-rich <i>Hypericum capitatum</i> extract exhibits anti-inflammatory effects on turpentine oil-induced inflammation in rats. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 289.	3.7	10
29	A Design of Experiments Strategy to Enhance the Recovery of Polyphenolic Compounds from <i>Vitis vinifera</i> By-Products through Heat Reflux Extraction. <i>Biomolecules</i> , 2019, 9, 529.	4.0	24
30	Reversible complexation of ammonia by breaking a manganese–manganese bond in a manganese carbonyl ethylenedithiolate complex: a theoretical study of an unusual type of Lewis acid. <i>Dalton Transactions</i> , 2019, 48, 324-332.	3.3	4
31	EPR detection of sulfanyl radical during sulfhemoglobin formation – Influence of catalase. <i>Free Radical Biology and Medicine</i> , 2019, 137, 110-115.	2.9	5
32	Why does sulfite reductase employ siroheme?. <i>Chemical Communications</i> , 2019, 55, 14047-14049.	4.1	14
33	An unexpected μ_4 -oxido-bridged tetranuclear Cu(II) inverse coordination complex of a heptadentate bis(pyrazolyl)methane-based ligand: Synthesis, structure, spectroscopic properties, and catecholase activity. <i>Inorganica Chimica Acta</i> , 2019, 485, 190-199.	2.4	6
34	EVALUATION OF POLYPHENOLIC PROFILE AND ANTIOXIDANT ACTIVITY FOR SOME SALVIA SPECIES. <i>Farmacia</i> , 2019, 67, 801-805.	0.4	8
35	Isolation, purification and characterization of ascorbate oxidase and peroxidase from <i>Cucurbita pepo</i> medullosa. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2019, 64, 49-60.	0.2	0
36	Tetracapped tetrahedral ruthenium-sulfur clusters related to iron-sulfur structural units in metalloenzymes. <i>Inorganica Chimica Acta</i> , 2018, 475, 193-199.	2.4	1

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37	Bioactive compounds and <i>in vitro</i> -antioxidant activity of some traditional and non-traditional cold-pressed edible oils from Macedonia. <i>Journal of Food Science and Technology</i> , 2018, 55, 1614-1623.	2.8	18
38	In vivo evaluation of hemerythrin-based oxygen carriers: Similarities with hemoglobin-based counterparts. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1422-1427.	7.5	8
39	Nickel-substituted iron-dependent cysteine dioxygenase: Implications for the dioxygenation activity of nickel model compounds. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25564.	2.0	1
40	Fe(III) π -Sulfide interaction in globins: Characterization and quest for a putative Fe(IV)-sulfide species. <i>Journal of Inorganic Biochemistry</i> , 2018, 179, 32-39.	3.5	12
41	Redox control and autoxidation of class 1, 2 and 3 phytohemoglobins from <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2018, 8, 13714.	3.3	9
42	Catalytic and stoichiometric flavanone oxidation mediated by nonheme oxoiron(<i>iv</i>) complexes as flavone synthase mimics: kinetic, mechanistic and computational studies. <i>Dalton Transactions</i> , 2018, 47, 14416-14420.	3.3	9
43	Heme Fe(<i>ii</i>);SO ²⁺ intermediates in sulfite reduction: Contrasts with Fe(<i>ii</i>);OO ²⁺ species from oxygen-oxygen bond activating systems. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25697.	2.0	7
44	Chemo-mapping and biochemical-modulatory and antioxidant/prooxidant effect of <i>Galium verum</i> extract during acute restraint and dark stress in female rats. <i>PLoS ONE</i> , 2018, 13, e0200022.	2.5	14
45	Effect of bioactive compounds on antiradical and antimicrobial activity of extracts and cold-pressed edible oils from nutty fruits from Macedonia. <i>Journal of Food Measurement and Characterization</i> , 2018, 12, 2545-2552.	3.2	5
46	Sources for developing new medicinal products: biochemical investigations on alcoholic extracts obtained from aerial parts of some Romanian Amaryllidaceae species. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 226.	3.7	20
47	The Reaction of Oxy Hemoglobin with Nitrite: Mechanism, Antioxidant-Modulated Effect, and Implications for Blood Substitute Evaluation. <i>Molecules</i> , 2018, 23, 350.	3.8	20
48	<i>Origanum vulgare</i> ssp. <i>vulgare</i> : Chemical Composition and Biological Studies. <i>Molecules</i> , 2018, 23, 2077.	3.8	76
49	The high affinity of small-molecule antioxidants for hemoglobin. <i>Free Radical Biology and Medicine</i> , 2018, 124, 260-274.	2.9	14
50	Supramolecular architecture of [AsPh ₂ Br ₂] ₂ [(Br ₃) ⁻ (Br ₂) ⁻ (Br ₃) ⁻] obtained by bromination of (AsPh ₂) ₂ S. <i>Inorganica Chimica Acta</i> , 2018, 475, 120-126.	2.4	6
51	Variability in Biochemical Composition of Milk Among Three Representative Breeds of Dairy Cows from Romania. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2018, 63, 55-62.	0.2	2
52	Arguable Precedence for the World Wars of the Twentieth Century. <i>Social Evolution and History</i> , 2018, 17, 96-108.	0.5	0
53	Copolymerization of recombinant <i>Phascolopsis gouldii</i> hemerythrin with human serum albumin for use in blood substitutes. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 218-223.	2.8	7
54	Chlorite reactivity with myoglobin: Analogy with peroxide and nitrite chemistry?. <i>Journal of Inorganic Biochemistry</i> , 2017, 172, 122-128.	3.5	0

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55	Studies of reaction of tetramethylthiourea with hydrogen peroxide: evidence of formation of tetramethylthiourea monoxide as a key intermediate of the reaction. <i>Journal of Sulfur Chemistry</i> , 2017, 38, 496-509.	2.0	3
56	Comparative studies of reaction of cobalamin (II) and cobinamide (II) with sulfur dioxide. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 969-975.	2.6	4
57	CA3 hippocampal field: Cellular changes and its relation with blood nitro-oxidative stress reveal a balancing function of CA3 area in rats exposed to repeated restraint stress. <i>Brain Research Bulletin</i> , 2017, 130, 10-17.	3.0	15
58	Reversible naftifine-induced carotenoid depigmentation in <i>Rhodotorula mucilaginosa</i> (A. Jarg.) F.C. Harrison causing onychomycosis. <i>Scientific Reports</i> , 2017, 7, 11125.	3.3	18
59	The exocyclic amino group of adenine in PtII and PdII complexes: a critical comparison of the X-ray crystallographic structural data and gas phase calculations. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 567-579.	2.6	4
60	Computational investigation of spectroscopic parameters in putative secondary structure elements for polylactic acid and comparison with experiment. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2017, 62, 495-513.	0.2	2
61	Periodate-oxidized alginate as polycondensation reagent for hemoglobin. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2017, 62, 59-66.	0.2	1
62	<i>Achillea schurii</i> Flowers: Chemical, Antioxidant, and Antimicrobial Investigations. <i>Molecules</i> , 2016, 21, 1050.	3.8	28
63	Comparative In Vivo Effects of Hemoglobin-Based Oxygen Carriers (HBOC) with Varying Prooxidant and Physiological Reactivity. <i>PLoS ONE</i> , 2016, 11, e0153909.	2.5	14
64	A mononuclear non-heme-iron dioxygen-carrying protein?. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 69, 103-110.	2.4	1
65	Multiconfigurational and DFT analyses of the electromeric formulation and UV-vis absorption spectra of the superoxide adduct of ferrous superoxide reductase. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 49-53.	3.5	7
66	Functional models of nonheme diiron enzymes: kinetic and computational evidence for the formation of oxoiron(IV) species from peroxo-diiron(III) complexes, and their reactivity towards phenols and H ₂ O ₂ . <i>Dalton Transactions</i> , 2016, 45, 14709-14718.	3.3	11
67	Antioxidant activity evaluation by physiologically relevant assays based on haemoglobin peroxidase activity and cytochrome c-induced oxidation of liposomes. <i>Natural Product Research</i> , 2016, 30, 1315-1319.	1.8	15
68	Redox chemistry of cobalamin and its derivatives. <i>Coordination Chemistry Reviews</i> , 2016, 309, 68-83.	18.8	84
69	Study of the Relationships between the Structure, Lipophilicity and Biological Activity of Some Thiazolyl-carbonyl-thiosemicarbazides and Thiazolyl-azoles. <i>Molecules</i> , 2015, 20, 22188-22201.	3.8	17
70	Antimicrobial and Antioxidant Activities and Phenolic Profile of <i>Eucalyptus globulus</i> Labill. and <i>Corymbia ficifolia</i> (F. Muell.) K.D. Hill & L.A.S. Johnson Leaves. <i>Molecules</i> , 2015, 20, 4720-4734.	3.8	57
71	Is a mega-project the ELI in the room?. <i>Nature</i> , 2015, 520, 295-295.	27.8	0
72	Bacterial nitric oxide reductase: a mechanism revisited by an ONIOM (DFT:MM) study. <i>Journal of Molecular Modeling</i> , 2015, 21, 130.	1.8	7

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73	Ruthenium dinitrosyl complexes – computational characterization of structure and reactivity. <i>Journal of Coordination Chemistry</i> , 2015, 68, 2409-2422.	2.2	0
74	Testing antiplatelet and antioxidant activity of the extract of seven varieties of <i>Allium cepa</i> L.. <i>Open Life Sciences</i> , 2015, 10, .	1.4	2
75	The reaction of oxyhemoglobin with nitric oxide: EPR evidence for an iron(III)-nitrate intermediate. <i>Inorganica Chimica Acta</i> , 2015, 436, 179-183.	2.4	4
76	On the roles of the alanine and serine in the β -sheet structure of fibroin. <i>Biophysical Chemistry</i> , 2015, 197, 10-17.	2.8	10
77	Comparison of heme and nonheme iron-based 1-aminocyclopropane-1-carboxylic acid oxidase mimics: kinetic, mechanistic and computational studies. <i>RSC Advances</i> , 2015, 5, 2075-2079.	3.6	2
78	Evaluation of the Biochemical Effects of Silyl-Phosphaalkenes on Oxidative and Nitrosative Stress Pathways Involving Metallocenters. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 292-299.	1.6	5
79	Antioxidant Activity Evaluation Involving Hemoglobin-Related Free Radical Reactivity. <i>Methods in Molecular Biology</i> , 2015, 1208, 247-255.	0.9	20
80	Assessment of rosmarinic acid content in six Lamiaceae species extracts and their antioxidant and antimicrobial potential. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015, 28, 2297-303.	0.2	25
81	Evaluation of Antioxidant and Antimicrobial Activities and Phenolic Profile for <i>Hyssopus officinalis</i> , <i>Ocimum basilicum</i> and <i>Teucrium chamaedrys</i> . <i>Molecules</i> , 2014, 19, 5490-5507.	3.8	151
82	Hemoglobin–albumin cross-linking with disuccinimidyl suberate (DSS) and/or glutaraldehyde for blood substitutes. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2014, 42, 13-17.	2.8	14
83	O–S Bond Activation in Structures Isoelectronic with Ferric Peroxide Species Known in O–Activating Enzymes: Relevance for Sulfide Activation and Sulfite Reductases. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5827-5837.	2.0	9
84	Involvement of ferryl in the reaction between nitrite and the oxy forms of globins. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1233-1239.	2.6	10
85	Nitrite binding to globins: linkage isomerism, EPR silence and reductive chemistry. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 42, 32-39.	2.7	23
86	An assay for pro-oxidant reactivity based on phenoxyl radicals generated by laccase. <i>Food Chemistry</i> , 2014, 143, 214-222.	8.2	19
87	Redox and linkage isomerism with ligands relevant to oxidative and nitrosative stress in cobalamin. <i>Polyhedron</i> , 2014, 78, 72-84.	2.2	5
88	Microwave assisted synthesis, photophysical and redox properties of (phenothiazinyl)vinyl-pyridinium dyes. <i>Dyes and Pigments</i> , 2014, 102, 315-325.	3.7	18
89	EPR investigation of libration motion of spin labeled hemerythrin. <i>Journal of Molecular Structure</i> , 2014, 1073, 18-23.	3.6	1
90	A theoretical study on the reaction pathways of peroxyxynitrite formation and decay at nonheme iron centers. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 652-665.	2.0	4

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91	Scientometric analysis of relative performance in a key university in Romania. <i>Scientometrics</i> , 2014, 99, 463-474.	3.0	2
92	Recent Developments in the Chemistry of Thiourea Oxides. <i>Chemistry - A European Journal</i> , 2014, 20, 14164-14176.	3.3	44
93	Super-Reduced Mechanism of Nitric Oxide Reduction in Flavo-Diiron NO Reductases. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 6061-6065.	2.0	4
94	Oxidative Protection of Hemoglobin and Hemerythrin by Cross-Linking with a Nonheme Iron Peroxidase: Potentially Improved Oxygen Carriers for Use in Blood Substitutes. <i>Biomacromolecules</i> , 2014, 15, 1920-1927.	5.4	31
95	Contrast between Water- and Ethanol-Based Antioxidant Assays: Aspen (<i>Populus</i>) Tj ETQq1 1 0.784314 rg <i>Journal of Food Quality</i> , 2014, 37, 259-267.	2.6	18
96	Computational Investigation of the Initial Two-Electron, Two-Proton Steps in the Reaction Mechanism of Hydroxylamine Oxidoreductase. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12140-12145.	2.6	9
97	Asymmetry within the Fe(NO) ₂ moiety of dithiolate dinitrosyl iron complexes. <i>Inorganica Chimica Acta</i> , 2014, 418, 42-50.	2.4	6
98	Computational study of protein secondary structure elements: Ramachandran plots revisited. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 50, 125-133.	2.4	33
99	Polyphenolic Content, Antioxidant and Antimicrobial Activities of <i>Lycium barbarum</i> L. and <i>Lycium chinense</i> Mill. Leaves. <i>Molecules</i> , 2014, 19, 10056-10073.	3.8	134
100	Metallomics related to gallium compounds: biochemical and xenobiochemical aspects. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2014, 33, 39.	0.6	3
101	Dioxygen Activation by Copper-Bleomycin: Theoretical Considerations. <i>Croatica Chemica Acta</i> , 2014, 87, 75-78.	0.4	3
102	Laccase is upregulated via stress pathways in the phytopathogenic fungus <i>Sclerotinia sclerotiorum</i> . <i>Fungal Biology</i> , 2013, 117, 528-539.	2.5	22
103	Phosphinoarylthiolato molybdenum and iron complexes [M{(SC ₆ H ₄ -2-PPh ₂)-Î² ₂ S,P} ₂ (CO) ₂] (M=Mo, Fe): Analogous composition â€“ Different structure. <i>Inorganica Chimica Acta</i> , 2013, 394, 289-294.	2.4	2
104	Microwave-Assisted Catalytic Amination of Phenothiazine; Reliable Access to Phenothiazine Analogues of TrÃ¶ger's Base. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5500-5508.	2.4	8
105	Influence of Novel Gallium Complexes on the Homeostasis of Some Biochemical and Hematological Parameters in Rats. <i>Biological Trace Element Research</i> , 2013, 155, 387-395.	3.5	1
106	Spin state preference and bond formation/cleavage barriers in ferrous-dioxygen heme adducts: remarkable dependence on methodology. <i>RSC Advances</i> , 2013, 3, 26194.	3.6	17
107	Weak sulfur-sulfur interactions between chemically-identical atoms. <i>Open Chemistry</i> , 2013, 11, 457-463.	1.9	5
108	Sodium dithionite and its relatives: past and present. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 444-449.	2.0	31

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109	Performance comparison of computational methods for modeling alpha-helical structures. <i>Journal of Molecular Modeling</i> , 2013, 19, 193-203.	1.8	8
110	Electromerism and linkage isomerism in biologically-relevant FeSO complexes. <i>Journal of Inorganic Biochemistry</i> , 2013, 118, 13-20.	3.5	11
111	Redox Activation of Small Molecules at Biological Metal Centers. <i>Structure and Bonding</i> , 2013, , 97-117.	1.0	14
112	Comparative study of reaction of cobalamin and cobinamide with thiocyanate. <i>Journal of Inorganic Biochemistry</i> , 2013, 125, 32-39.	3.5	30
113	Fe=O versus O=O bond cleavage in reactive iron peroxide intermediates of superoxide reductase. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 95-101.	2.6	9
114	Protein-Based Blood Substitutes: Recent Attempts at Controlling Pro-Oxidant Reactivity with and Beyond Hemoglobin. <i>Pharmaceuticals</i> , 2013, 6, 867-880.	3.8	7
115	Polyphenolic Composition, Antioxidant and Antibacterial Activities for Two Romanian Subspecies of <i>Achillea distans</i> Waldst. et Kit. ex Willd.. <i>Molecules</i> , 2013, 18, 8725-8739.	3.8	53
116	Anticancer and Antimicrobial Activities of Some Antioxidant-Rich Cameroonian Medicinal Plants. <i>PLoS ONE</i> , 2013, 8, e55880.	2.5	58
117	Learning tasks as a possible treatment for DNA lesions induced by oxidative stress in hippocampal neurons. <i>Neural Regeneration Research</i> , 2013, 8, 3063-70.	3.0	2
118	First Water-Soluble μ_4 -Nitrido Dimer of Iron Phthalocyanine. <i>Macroheterocycles</i> , 2012, 5, 175-177.	0.5	10
119	7-Methylguanine: protonation, formation of linkage isomers with trans-(NH ₃) ₂ PtII, and base pairing properties. <i>Dalton Transactions</i> , 2012, 41, 6094.	3.3	10
120	Nitrite and nitrate reduction by molybdenum centers of the nitrate reductase type: Computational predictions on the catalytic mechanism. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 27-31.	2.7	8
121	Conformational Preferences of Gas-Phase Helices: Experiment and Theory Struggle to Agree: The Seven-Residue Peptide Ac-Phe-(Ala) ₅ -Lys-H ⁺ . <i>Chemistry - A European Journal</i> , 2012, 18, 12941-12944.	3.3	13
122	Laccases: Complex architectures for one-electron oxidations. <i>Biochemistry (Moscow)</i> , 2012, 77, 1395-1407.	1.5	71
123	Siroheme-containing sulfite reductase: A density functional investigation of the mechanism. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 900-908.	2.0	12
124	Secondary structure elements in polylactic acid models. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 703-733.	1.5	3
125	Axial ligation in water-soluble copper porphyrinates: contrasts between EPR and UV-vis. <i>Inorganic Chemistry Communication</i> , 2012, 18, 1-3.	3.9	6
126	High spin to low spin change induced by reductive chemistry with iron-substituted Dawson polyoxometalate. <i>Inorganic Chemistry Communication</i> , 2012, 20, 70-72.	3.9	1

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127	A yellow-laccase with blue-spectroscopic features, from <i>Sclerotinia sclerotiorum</i> . <i>Process Biochemistry</i> , 2012, 47, 968-975.	3.7	43
128	Exploring the possibility of high-valent copper in models of copper proteins with a three-histidine copper-binding motif. <i>Open Chemistry</i> , 2012, 10, 1527-1533.	1.9	1
129	Cobalamin reduction by dithionite. Evidence for the formation of a six-coordinate cobalamin(ii) complex. <i>Dalton Transactions</i> , 2011, 40, 9831.	3.3	43
130	Derivatization of haemoglobin with periodate-generated reticulation agents: evaluation of oxidative reactivity for potential blood substitutes. <i>Journal of Biochemistry</i> , 2011, 149, 75-82.	1.7	13
131	Ascorbate peroxidase activity of cytochrome <i>c</i> . <i>Free Radical Research</i> , 2011, 45, 439-444.	3.3	15
132	Redox non-innocence of a nitrido bridge in a methane-activating dimer of iron phthalocyanine. <i>New Journal of Chemistry</i> , 2011, 35, 1140.	2.8	31
133	What causes iron-sulphur bonds in active sites of one-iron superoxide reductase and two-iron superoxide reductase to differ?. <i>Chemical Papers</i> , 2011, 65, .	2.2	0
134	A New Polyethyleneglycol-Derivatized Hemoglobin Derivative with Decreased Oxygen Affinity and Limited Toxicity. <i>Protein Journal</i> , 2011, 30, 27-31.	1.6	12
135	Towards hemerythrin-based blood substitutes: Comparative performance to hemoglobin on human leukocytes and umbilical vein endothelial cells. <i>Journal of Biosciences</i> , 2011, 36, 215-221.	1.1	18
136	Rapid and effective evaluation of the antioxidant capacity of propolis extracts using DPPH bleaching kinetic profiles, FT-IR and UV-vis spectroscopic data. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 516-522.	3.9	92
137	Hemoglobin-albumin Crosslinked Copolymers: Reduced Prooxidant Reactivity. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2011, 39, 293-297.	0.9	11
138	Interactions Between Proteins and Platinum-Containing Anti-Cancer Drugs. <i>Mini-Reviews in Medicinal Chemistry</i> , 2011, 11, 214-224.	2.4	32
139	The electronic structure of biologically relevant Fe(0) systems. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 1848-1856.	2.0	0
140	Carbon dioxide activation: Hydration by carbonic anhydrase and related systems – What makes a good catalyst?. <i>Computational and Theoretical Chemistry</i> , 2010, 942, 15-18.	1.5	3
141	Towards the Development of Hemerythrin-Based Blood Substitutes. <i>Protein Journal</i> , 2010, 29, 387-393.	1.6	20
142	Hydrocarbon Oxygenation by Metal Nitrite Adducts: Theoretical Comparison with Ferryl-Based Oxygenation Agents. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1129-1132.	2.0	2
143	A density functional investigation of hydrogen peroxide activation by high-valent heme centers: implications for the catalase catalytic cycle. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 371-374.	0.8	4
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