

GraÅ¼yna Stochel

List of Publications by Year in descending order

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187
papers

7,126
citations

46918

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195
all docs

195
docs citations

195
times ranked

8164
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinorganic Photochemistry: Frontiers and Mechanisms. <i>Chemical Reviews</i> , 2005, 105, 2647-2694.	23.0	671
2	Development of Noncytotoxic Chitosan-Gold Nanocomposites as Efficient Antibacterial Materials. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1087-1099.	4.0	258
3	Engineering of relevant photodynamic processes through structural modifications of metallotetrapyrrolic photosensitizers. <i>Coordination Chemistry Reviews</i> , 2016, 325, 67-101.	9.5	222
4	Visible light inactivation of bacteria and fungi by modified titanium dioxide. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 642-648.	1.6	207
5	Singlet Oxygen Photogeneration at Surface Modified Titanium Dioxide. <i>Journal of the American Chemical Society</i> , 2006, 128, 15574-15575.	6.6	194
6	Titanium(IV) complexes as direct TiO ₂ photosensitizers. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2687-2701.	9.5	171
7	Mechanisms of Singlet Oxygen and Superoxide Ion Generation by Porphyrins and Bacteriochlorins and their Implications in Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2010, 16, 9273-9286.	1.7	156
8	Light-Driven OR and XOR Programmable Chemical Logic Gates. <i>Journal of the American Chemical Society</i> , 2006, 128, 4550-4551.	6.6	149
9	Kinetics, Mechanism, and Spectroscopy of the Reversible Binding of Nitric Oxide to Aquated Iron(II). An Undergraduate Text Book Reaction Revisited. <i>Inorganic Chemistry</i> , 2002, 41, 4-10.	1.9	146
10	Mechanistic Studies on the Reversible Binding of Nitric Oxide to Metmyoglobin. <i>Journal of the American Chemical Society</i> , 2001, 123, 285-293.	6.6	137
11	Indocyanine green as a prospective sensitizer for photodynamic therapy of melanomas. <i>Acta Biochimica Polonica</i> , 2002, 49, 387-391.	0.3	133
12	Kinetics and Mechanism of the Reversible Binding of Nitric Oxide to Reduced Cobalamin B12r(Cob(II)alamin). <i>Journal of the American Chemical Society</i> , 2001, 123, 9780-9791.	6.6	131
13	Bioinorganic antimicrobial strategies in the resistance era. <i>Coordination Chemistry Reviews</i> , 2017, 351, 76-117.	9.5	124
14	Understanding chlorophylls: Central magnesium ion and phytol as structural determinants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1491-1500.	0.5	117
15	Photodynamic Therapy Efficacy Enhanced by Dynamics: The Role of Charge Transfer and Photostability in the Selection of Photosensitizers. <i>Chemistry - A European Journal</i> , 2014, 20, 5346-5357.	1.7	105
16	New Halogenated Water-Soluble Chlorin and Bacteriochlorin as Photostable PDT Sensitizers: Synthesis, Spectroscopy, Photophysics, and in-vitro Photosensitizing Efficacy. <i>ChemMedChem</i> , 2010, 5, 1770-1780.	1.6	98
17	Light and metal complexes in medicine. <i>Coordination Chemistry Reviews</i> , 1998, 171, 203-220.	9.5	96
18	Development of noncytotoxic silver-chitosan nanocomposites for efficient control of biofilm forming microbes. <i>RSC Advances</i> , 2017, 7, 52398-52413.	1.7	87

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19	Combined effects of singlet oxygen and hydroxyl radical in photodynamic therapy with photostable bacteriochlorins: Evidence from intracellular fluorescence and increased photodynamic efficacy in vitro. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1188-1200.	1.3	80
20	Design of Pluronic-Based Formulation for Enhanced Redaporfin-Photodynamic Therapy against Pigmented Melanoma. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22039-22055.	4.0	80
21	Effects of heavy central metal on the ground and excited states of chlorophyll. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 453-462.	1.1	78
22	Synthesis, Photophysical Studies and Anticancer Activity of a New Halogenated Water-Soluble Porphyrin. <i>Photochemistry and Photobiology</i> , 2007, 83, 897-903.	1.3	73
23	Green Synthesis of Chitosan-Stabilized Copper Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4940-4947.	1.0	72
24	Aquacobalamin (Vitamin B12a) Does Not Bind NO in Aqueous Solution. Nitrite Impurities Account for Observed Reaction. <i>Inorganic Chemistry</i> , 2000, 39, 2018-2019.	1.9	71
25	The role of strong hypoxia in tumors after treatment in the outcome of bacteriochlorin-based photodynamic therapy. <i>Free Radical Biology and Medicine</i> , 2014, 73, 239-251.	1.3	69
26	Optoelectronic Switches Based on Wide Band Gap Semiconductors. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15275-15283.	1.2	63
27	Biodistribution and Photodynamic Efficacy of a Water-Soluble, Stable, Halogenated Bacteriochlorin against Melanoma. <i>ChemMedChem</i> , 2011, 6, 465-475.	1.6	63
28	Redox cycling in the activation of peroxides by iron porphyrin and manganese complexes. "Catching" catalytic active intermediates. <i>Coordination Chemistry Reviews</i> , 2016, 306, 483-509.	9.5	63
29	Mechanistic Information on the Reversible Binding of NO to Selected Iron(II) Chelates from Activation Parameters. <i>Inorganic Chemistry</i> , 2002, 41, 2565-2573.	1.9	60
30	Substrate Binding Favors Enhanced NO Binding to P450cam. <i>Journal of the American Chemical Society</i> , 2004, 126, 4181-4191.	6.6	58
31	Light-Induced Anticancer Activity of [RuCl ₂ (DMSO) ₄] Complexes. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7298-7304.	2.9	58
32	Mechanistic Studies on the Binding of Nitric Oxide to a Synthetic Heme-Thiolate Complex Relevant to Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2005, 127, 5360-5375.	6.6	57
33	Mechanistic studies on versatile metal-assisted hydrogen peroxide activation processes for biomedical and environmental incentives. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 143-165.	9.5	57
34	A high-throughput method for the quantification of iron saturation in lactoferrin preparations. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5191-5200.	1.9	56
35	Photosensitization and the Photocurrent Switching Effect in Nanocrystalline Titanium Dioxide Functionalized with Iron(II) Complexes: A Comparative Study. <i>Chemistry - A European Journal</i> , 2007, 13, 5676-5687.	1.7	55
36	Synthesis, structure and photoelectrochemical properties of the TiO ₂ -Prussian blue nanocomposite. <i>Journal of Materials Chemistry</i> , 2006, 16, 4603-4611.	6.7	54

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37	Verteporfin, photofrin II, and merocyanine 540 as PDT photosensitizers against melanoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 549-555.	1.0	54
38	Ligand and medium controlled photochemistry of iron and ruthenium mixed-ligand complexes: prospecting for versatile systems. <i>Coordination Chemistry Reviews</i> , 2000, 208, 277-297.	9.5	53
39	Ligand Effects on the Kinetics of the Reversible Binding of NO to Selected Aminocarboxylato Complexes of Iron(II) in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2317-2325.	1.0	53
40	The reduction of (ImH)[trans-Ru(II)Cl ₄ (dmsO)(Im)] under physiological conditions: preferential reaction of the reduced complex with human serum albumin. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 909-918.	1.1	52
41	Bactericidal Effect of Gold-Chitosan Nanocomposites in Coculture Models of Pathogenic Bacteria and Human Macrophages. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17693-17701.	4.0	51
42	Thermodynamics and kinetics of Ru(II)(edta) as an efficient scavenger for nitric oxide in aqueous solution. <i>Dalton Transactions RSC</i> , 2002, , 941-950.	2.3	50
43	NO-dependent phototoxicity of Roussin's black salt against cancer cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2004, 10, 42-50.	1.2	50
44	Nitrite binding to metmyoglobin and methemoglobin in comparison to nitric oxide binding. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 165-176.	1.1	49
45	Photodynamic activity of platinum(IV) chloride surface-modified TiO ₂ irradiated with visible light. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1120-1130.	1.3	48
46	Photoinduced hole injection in semiconductor-coordination compound systems. <i>Coordination Chemistry Reviews</i> , 2013, 257, 767-775.	9.5	48
47	Kinetics and mechanism of the anation of aquocobalamin (vitamin B _{12a}) by cyanoferrates. Isolation and identification of a cyano-bridged product and mechanistic information from pressure effects. <i>Inorganic Chemistry</i> , 1989, 28, 4314-4318.	1.9	47
48	Tissue Uptake Study and Photodynamic Therapy of Melanoma-Bearing Mice with a Nontoxic, Effective Chlorin. <i>ChemMedChem</i> , 2011, 6, 1715-1726.	1.6	47
49	Kinetic and Mechanistic Studies on the Reaction of Nitric Oxide with a Water-Soluble Octa-anionic Iron(III) Porphyrin Complex. <i>Inorganic Chemistry</i> , 2005, 44, 7717-7731.	1.9	46
50	Interaction of apo-transferrin with anticancer ruthenium complexes NAMI-A and its reduced form. <i>Journal of Inorganic Biochemistry</i> , 2012, 116, 11-18.	1.5	46
51	Laser flash photolysis as tool in the elucidation of the nitric oxide binding mechanism to metalloproteins. <i>Coordination Chemistry Reviews</i> , 2002, 229, 37-49.	9.5	45
52	Elucidation of inorganic reaction mechanisms through volume profile analysis. <i>Coordination Chemistry Reviews</i> , 1999, 187, 329-374.	9.5	44
53	Redox-Controlled Photosensitization of Nanocrystalline Titanium Dioxide. <i>ChemPhysChem</i> , 2006, 7, 2384-2391.	1.0	44
54	Amphiphilic meso(sulfonate ester fluoroaryl)porphyrins: refining the substituents of porphyrin derivatives for phototherapy and diagnostics. <i>Tetrahedron</i> , 2012, 68, 8767-8772.	1.0	44

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55	Mechanistic information from a volume profile treatment for the complexation of aquocobalamin (vitamin B12a) by pyridine. <i>Inorganic Chemistry</i> , 1990, 29, 2075-2077.	1.9	42
56	Reactions of the [Fe(CN) ₅ NO] ²⁻ complex with biologically relevant thiols. <i>New Journal of Chemistry</i> , 2002, 26, 1495-1502.	1.4	42
57	Metal compounds and small molecules activation " case studies. <i>Coordination Chemistry Reviews</i> , 2005, 249, 2437-2457.	9.5	42
58	Chemical composition of submicron and fine particulate matter collected in Krakow, Poland. Consequences for the APARIC project. <i>Chemosphere</i> , 2017, 187, 430-439.	4.2	42
59	Chitosan-based nanocomposites for the repair of bone defects. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2231-2240.	1.7	42
60	Generation of hydroxyl radicals and singlet oxygen by particulate matter and its inorganic components. <i>Environmental Pollution</i> , 2018, 238, 638-646.	3.7	40
61	Thermodynamic and Kinetic Studies on the Binding of Nitric Oxide to a New Enzyme Mimic of Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2006, 128, 13611-13624.	6.6	39
62	Study on inhibitory activity of chitosan-based materials against biofilm producing <i>Pseudomonas aeruginosa</i> strains. <i>Journal of Biomaterials Applications</i> , 2015, 30, 269-278.	1.2	39
63	High-pressure mechanistic studies on thermal and photochemical reactions of pentacyanoferrate complexes. <i>Coordination Chemistry Reviews</i> , 1992, 114, 269-295.	9.5	38
64	Photosensitization and Photocurrent Switching in Carminic Acid/Titanium Dioxide Hybrid Material. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19131-19141.	1.5	38
65	Improved biodistribution, pharmacokinetics and photodynamic efficacy using a new photostable sulfonamide bacteriochlorin. <i>MedChemComm</i> , 2012, 3, 502.	3.5	38
66	Towards tuning PDT relevant photosensitizer properties: comparative study for the free and Zn ²⁺ coordinated <i>meso</i> -tetrakis[2,6-difluoro-5-(<i>N</i> -methylsulfamoyl)phenyl]porphyrin. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3116-3134.	0.8	37
67	Cyanonitrosylmetallates as potential NO-donors. <i>Journal of Inorganic Biochemistry</i> , 1998, 69, 121-127.	1.5	36
68	Kinetics and mechanism of the reduction of (ImH)[trans-RuCl ₄ (dmsO)(Im)] by ascorbic acid in acidic aqueous solution. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 809-818.	1.1	36
69	Mechanistic Studies on the Interaction of Reduced Cobalamin (Vitamin B12r) with Nitroprusside. <i>Journal of the American Chemical Society</i> , 2003, 125, 1334-1351.	6.6	34
70	Central Metal Determines Pharmacokinetics of Chlorophyll-Derived Xenobiotics. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4412-4418.	2.9	34
71	2-Nitroimidazole-ruthenium polypyridyl complex as a new conjugate for cancer treatment and visualization. <i>Journal of Inorganic Biochemistry</i> , 2014, 134, 83-91.	1.5	34
72	Mechanistic information from medium- and high-pressure effects on the photooxidation of nitrosylpentacyanoferrate(II). <i>Inorganic Chemistry</i> , 1986, 25, 3663-3666.	1.9	31

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73	Bioinspired Nanodevice Based on the Folic Acid/Titanium Dioxide System. <i>Chemistry - an Asian Journal</i> , 2007, 2, 580-590.	1.7	30
74	Structural and Electronic Effects in the Metalation of Porphyrinoids. <i>Theory and Experiment. Inorganic Chemistry</i> , 2010, 49, 7362-7371.	1.9	30
75	New hybrid materials based on halogenated metalloporphyrins for enhanced visible light photocatalysis. <i>RSC Advances</i> , 2015, 5, 93252-93261.	1.7	30
76	Enhanced Cellular Uptake and Photodynamic Effect with Amphiphilic Fluorinated Porphyrins: The Role of Sulfoester Groups and the Nature of Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2786.	1.8	27
77	Kinetics and mechanism of the acid-catalyzed aquation and base hydrolysis of nitropentacyanoferrate(III) in aqueous solution. Evidence for a pseudo-zero-order hydrolysis process. <i>Inorganic Chemistry</i> , 1988, 27, 2767-2770.	1.9	25
78	Reactivity of Aquacobalamin and Reduced Cobalamin toward S-Nitrosoglutathione and S-Nitroso-N-acetylpenicillamine. <i>Inorganic Chemistry</i> , 2006, 45, 1367-1379.	1.9	25
79	The Classic "Brown-Ring" Reaction in a New Medium: Kinetics, Mechanism, and Spectroscopy of the Reversible Binding of Nitric Oxide to Iron(II) in an Ionic Liquid. <i>Inorganic Chemistry</i> , 2011, 50, 3946-3958.	1.9	25
80	Visible light photoactive titanium dioxide aqueous colloids and coatings. <i>Chemical Engineering Journal</i> , 2013, 230, 188-194.	6.6	25
81	Kinetics of the Aquation of Amminepentacyanoferrate(II). A Volume Profile Analysis. <i>Inorganic Chemistry</i> , 1997, 36, 5409-5412.	1.9	24
82	Interplay between Acetate Ions, Peripheral Groups, and Reactivity of the Core Nitrogens in Transmetalation of Tetrapyrroles. <i>Chemistry - A European Journal</i> , 2008, 14, 9419-9430.	1.7	24
83	Visible light driven photocatalysis in chromate(VI)/TiO ₂ systems "Improving stability of the photocatalyst. <i>Catalysis Today</i> , 2011, 161, 78-83.	2.2	24
84	Photochemistry of [(η -5-C ₅ H ₅)Ru(CO) ₂] ₂ in polar and non-polar solvents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 103, 221-226.	2.0	23
85	Perspectives of molecular and nanostructured systems with d- and f-block metals in photogeneration of reactive oxygen species for medical strategies. <i>Coordination Chemistry Reviews</i> , 2019, 398, 113012.	9.5	23
86	Feasibility of a limiting D mechanism for complex formation and ligand substitution reactions of pentacyanoferrate(II). <i>Inorganic Chemistry</i> , 1992, 31, 5480-5483.	1.9	22
87	Kinetic and mechanistic analysis of the reactions in the aqueous system pentacyanoferrate(II) "ammonia" nitrite. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3643-3649.	1.1	22
88	Zinc-pheophorbide "Highly efficient low-cost photosensitizer against human adenocarcinoma in cellular and animal models. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 266-277.	1.3	22
89	Temperature and Pressure Effects on C-H Abstraction Reactions Involving Compound I and II Mimics in Aqueous Solution. <i>Inorganic Chemistry</i> , 2014, 53, 2848-2857.	1.9	22
90	The quenching effect of chitosan crosslinking on ZnO nanoparticles photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 80089-80097.	1.7	22

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91	Photoredox chemistry of nitrosylpentacyanoferrate(II) in methanolic medium. <i>Polyhedron</i> , 1985, 4, 1887-1890.	1.0	21
92	Kinetics and mechanism of the reduction of pentacyanonitroferrate(III) by L-ascorbic acid in acidic aqueous solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 2497-2502.	1.1	21
93	New ruthenium compounds bearing semicarbazone 2-formylpyridine moiety: Playing with auxiliary ligands for tuning the mechanism of biological activity. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 80-91.	1.5	20
94	Mechanistic information on the copper-catalysed autoxidation of mercaptosuccinic acid in aqueous solution Electronic supplementary information (ESI) available: Spectral changes during reaction. See http://www.rsc.org/suppdata/dt/b3/b311053b/ . <i>Dalton Transactions</i> , 2004, , 292.	1.6	19
95	Interaction of selected divalent metal ions with human ataxin-3 Q36. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 1175-1185.	1.1	19
96	Anticancer potency of novel organometallic Ir(III) complexes with phosphine derivatives of fluoroquinolones encapsulated in polymeric micelles. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3386-3401.	3.0	19
97	Kinetics and mechanism of the substitution of aquapentacyanoferrate(III) by cytosine, cytidine and cytidine-5'-monophosphate. <i>Inorganica Chimica Acta</i> , 1991, 190, 55-59.	1.2	18
98	Photochemistry of the [Fe(CN)5NO]2- thiolate system. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 2353-2358.	1.1	18
99	Photochemistry of trans- and cis-[RuCl2(dmsO)4] in Aqueous and Nonaqueous Solutions. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2353-2359.	1.0	17
100	Molecular symmetry determines the mechanism of a very efficient ultrafast excitation-to-heat conversion in Ni-substituted chlorophylls. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 30-37.	0.5	17
101	Synthesis and characterization of copper(I) coordination compounds with (1-(2-pyridylazo)-2-naphthol) and (4-(2-pyridylazo)resorcinol). <i>Polyhedron</i> , 2014, 68, 357-364.	1.0	17
102	Interaction of the NAMI-A complex with nitric oxide under physiological conditions. <i>New Journal of Chemistry</i> , 2014, 38, 3386-3394.	1.4	17
103	Mechanistic Insight into Peroxo Shunt Formation of Biomimetic Models for Compound II, Their Reactivity toward Organic Substrates, and the Influence of N-Methylimidazole Axial Ligation. <i>Chemistry - A European Journal</i> , 2014, 20, 2328-2343.	1.7	17
104	A combination of access to preassociation sites and local accumulation tendency in the direct vicinity of G-N7 controls the rate of platination of single-stranded DNA. <i>Dalton Transactions</i> , 2005, , 1221.	1.6	16
105	Kinetics and mechanism of the solvolysis reaction of nitropentacyanoferrate(III). <i>Inorganica Chimica Acta</i> , 1989, 155, 95-99.	1.2	15
106	Application of high pressure laser flash photolysis in studies on selected hemoprotein reactions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1481-1492.	1.1	15
107	Activation volumes for cis-to-trans isomerisation reactions of azophenols: a clear mechanistic indicator?. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1286-1292.	1.3	15
108	Photocytotoxicity of platinum(IV)-chloride surface modified TiO2 irradiated with visible light against murine macrophages. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2008, 92, 54-58.	1.7	14

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109	New ruthenium(II) coordination compounds possessing bidentate aminomethylphosphane ligands: synthesis, characterization and preliminary biological study in vitro. Dalton Transactions, 2015, 44, 13969-13978.	1.6	14

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127	Selective separation of ferric and non-ferric forms of human transferrin by capillary micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2014, 1341, 73-78.	1.8	9
128	Fine tuning of copper(II)–chlorophyll interactions in organic media. Metalation versus oxidation of the macrocycle. <i>Dalton Transactions</i> , 2015, 44, 6012-6022.	1.6	9
129	Factors controlling the reactivity of divalent metal ions towards pheophytin a. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 941-952.	1.1	9
130	Catalytic Degradation of Orange II by Mn(III)(TPPS) in Basic Hydrogen Peroxide Medium: A Detailed Kinetic Analysis. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3462-3471.	1.0	9
131	Influence of aqueous extracts of urban airborne particulate matter on the structure and function of human serum albumin. <i>Environmental Pollution</i> , 2020, 263, 114667.	3.7	9
132	Solvent complexes of the type [Fe(III)(CN) ₅ L] ⁿ⁻ . <i>Polyhedron</i> , 1985, 4, 481-484.	1.0	8
133	Photoredox Reactions of Hg(CN) ₂ /[Fe(CN) ₆] ⁴⁻ and [HgCo ₂ (CN) ₁₀] ⁶⁻ Induced by Inner-Sphere Metal to Metal Charge Transfer Excitation. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1989, 44, 145-148.	0.3	8
134	Intervalence transfer between hexacyanoferrate(II) and ammine complexes of chromium(III). <i>Polyhedron</i> , 1994, 13, 155-157.	1.0	8
135	Biosynthesis of Nitric Oxide—Quantum Chemical Modelling of N ¹⁵ —Hydroxy-L-arginine Formation. <i>Chemistry - A European Journal</i> , 1997, 3, 609-613.	1.7	8
136	Mechanistic Studies on the Reactions of Cyanide with a Water-Soluble Fe(III) Porphyrin and Their Effect on the Binding of NO. <i>Inorganic Chemistry</i> , 2011, 50, 3413-3424.	1.9	8
137	Hypoxia-selective inhibition of angiogenesis development by NAMI-A analogues. <i>BioMetals</i> , 2016, 29, 1035-1046.	1.8	8
138	Spectroscopic and kinetic evidence for redox cycling, catalase and degradation activities of Mn(III)(TPPS) in a basic aqueous peroxide medium. <i>Chemical Communications</i> , 2016, 52, 5297-5300.	2.2	8
139	Generation and photogeneration of hydroxyl radicals and singlet oxygen by particulate matter and its inorganic components. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106478.	3.3	8
140	Influence of redox activation of NAMI-A on affinity to serum proteins: transferrin and albumin. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3181-3192.	0.8	7
141	Metal-Assisted Activation of Nitric Oxide—Mechanistic Aspects of Complex Nitrosylation Processes. <i>Advances in Inorganic Chemistry</i> , 2015, 67, 171-241.	0.4	7
142	Nitroimidazole derivatives of polypyridyl ruthenium complexes: Towards understanding their anticancer activity and mode of action. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 43-55.	1.9	7
143	Can nitrocobalamin be reduced by ascorbic acid to nitroxylcobalamin? Some surprising mechanistic findings. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 377-383.	1.1	7
144	Urban Particulate Matter-Induced Decomposition of S-Nitrosoglutathione Relevant to Aberrant Nitric Oxide Biological Signaling. <i>ChemSusChem</i> , 2019, 12, 661-671.	3.6	7

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145	Relevance of the electron transfer pathway in photodynamic activity of Ru(<i>ii</i>) polypyridyl complexes containing 4,7-diphenyl-1,10-phenanthroline ligands under normoxic and hypoxic conditions. Dalton Transactions, 2022, 51, 1888-1900.	1.6	7
146	Effects of the Selected Iminosugar Derivatives on <i>Pseudomonas aeruginosa</i> Biofilm Formation. Microbial Drug Resistance, 2016, 22, 638-645.	0.9	6
147	The Influence of Redox-Active Transition Metal Containing Micro- and Nanoparticles on the Properties of Representative Bioinorganic Reaction Systems. European Journal of Inorganic Chemistry, 2018, 2018, 1229-1235.	1.0	6
148	Ligand binding properties of cobalamins. Theoretical Chemistry Accounts, 2008, 120, 411-419.	0.5	5
149	Mechanistic studies of the hydrolysis of <i>p</i> -nitrophenyl sulfate catalyzed by arylsulfatase from <i>Helix pomatia</i> . Journal of Coordination Chemistry, 2010, 63, 2472-2487.	0.8	5
150	New trends in the application of laser flash photolysis – case studies. Journal of Coordination Chemistry, 2010, 63, 2695-2714.	0.8	4
151	Base-Catalyzed Hydrolysis of a Ru ^{II} -Chloro-dmsO Complex and Its Reactivity towards <i>L</i> -Methionine. European Journal of Inorganic Chemistry, 2014, 2014, 1333-1344.	1.0	4
152	Nitrosyl- versus nitroxyl-cobalamin?. Journal of Biological Inorganic Chemistry, 2019, 24, 311-313.	1.1	4
153	Physicochemical Analysis of Water Extracts of Particulate Matter from Polluted Air in the Area of Krak ³ w, Poland. Atmosphere, 2021, 12, 565.	1.0	4
154	Can Particulate Matter and Nano Metal Oxide Particles Affect the Redox Cycling of Nitrosylcobalamin in Weakly Acidic Aqueous Solution?. European Journal of Inorganic Chemistry, 2021, 2021, 2325-2333.	1.0	4
155	Ligand-Tuning of the Stability of Pd(II) Conjugates with Cyanocobalamin. International Journal of Molecular Sciences, 2021, 22, 7973.	1.8	4
156	Experimental and Computational Insight into the Mechanism of NO Binding to Ferric Microperoxidase. The Likely Role of Tautomerization to Account for the pH Dependence. Inorganic Chemistry, 2021, 60, 15948-15967.	1.9	4
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