JÃ³zsef SÃ¡ndor Pap

List of Publications by Year
in descending order

52 papers	1,192 citations	331642 21 h-index	395678 33 g-index
54 all docs	54 docs citations	54 times ranked	1327 citing authors

#	Article	IF	Citations
1	Electrocatalytic water oxidation by Cu^{II} complexes with branched peptides. Chemical Communications, 2015, 51, 6322-6324.	4.1	72
2	Delocalized Metalâ€“Metal and Metalâ€“Ligand Multiple Bonding in a Linear Ruï£¿Ruï£½N Unit: Elongation of a Traditionally Short Ruï£½N Bond. Angewandte Chemie - International Edition, 2008, 47, 10102-10105.	13.8	66
3	Molecular and Electronic Structure of Square-Planar Gold Complexes Containing Two 1,2-Di(4-tert-butylphenyl)ethylene-1,2-dithiolato Ligands:Â [Au(2L)2]1+/0/1-/2-. A Combined Experimental and Computational Study. Inorganic Chemistry, 2007, 46, 1100-1111.	4.0	64
4	Model systems for the CO-releasing flavonol 2,4-dioxygenase enzyme. Coordination Chemistry Reviews, 2010, 254, 781-793.	18.8	62
5	Aryl Câ€“H Amination by Diruthenium Nitrides in the Solid State and in Solution at Room Temperature: Experimental and Computational Study of the Reaction Mechanism. Journal of the American Chemical Society, 2011, 133, 13138-13150.	13.7	61
6	Synthesis, structure and catecholase activity of dinuclear copper and zinc complexes with an N3-ligand. Journal of Inorganic Biochemistry, 2002, 91, 190-198.	3.5	55
7	Dimerization Processes of Square Planar [PtII(tbpy)(dithiolatoâ€¢)]+Radicals. Inorganic Chemistry, 2007, 46, 4187-4196.	4.0	44
8	Transition Metal Chalcogenide Single Layers as an Active Platform for Single-Atom Catalysis. ACS Energy Letters, 2019, 4, 1947-1953.	17.4	43
9	An Iron(II)[1,3â€bis(2â€²â€pyridylimino)isoindoline] Complex as a Catalyst for Substrate Oxidation with H₂O₂ â€“ Evidence for a Transient Peroxidodiiron(III) Species. European Journal of Inorganic Chemistry, 2013, 2013, 3858-3866.	2.0	41
10	Copper-Mediated Oxygenolysis of Flavonols via Endoperoxide and Dioxetan Intermediates; Synthesis and Oxygenation of [CuII(Phen)2(Fla)]ClO4 and [CuII(L)(Fla)2] [FlaH = Flavonol; L = 1,10-Phenanthroline (Phen), 2,2â€²-Bipyridine (Bpy),N,N,Nâ€²,Nâ€²-Tetramethylethylenediamine (TMEDA)] Complexes. European Journal of Inorganic Chemistry, 2002, 2002, 2287-2295.	2.0	39
11	Manganese and iron flavonolates as flavonol 2,4-dioxygenase mimics. Chemical Communications, 2007, , 5235.	4.1	38
12	Tetra-, penta- and hexacoordinate copper(II) complexes with N3 donor isoindoline-based ligands: Characterization and SOD-like activity. Inorganica Chimica Acta, 2011, 376, 158-169.	2.4	38
13	Iron(III) Complexes with Meridional Ligands as Functional Models of Intradiol-Cleaving Catechol Dioxygenases. Inorganic Chemistry, 2013, 52, 1559-1569.	4.0	35
14	Kinetics and mechanism of the stoichiometric oxygenation of [CuII(fla)(idpa)]ClO4 [fla=flavonolate, idpa=3,3â€²-imino-bis(N,N-dimethylpropylamine)] and the [CuII(fla)(idpa)]ClO4-catalysed oxygenation of flavonol. Inorganica Chimica Acta, 2001, 320, 83-91.	2.4	33
15	Comparison of the SOD-like activity of hexacoordinate Mn(II), Fe(II) and Ni(II) complexes having isoindoline-based ligands. Journal of Inorganic Biochemistry, 2011, 105, 911-918.	3.5	33
16	The Reaction ofÎ¼-Î·2:Î·2-Peroxo- and Bis(Î¼-oxo)dicopper Complexes with Flavonol. European Journal of Inorganic Chemistry, 2004, 2004, 2253-2259.	2.0	30
17	A Synthetic Oxygen Atom Transfer Photocycle from a Diruthenium Oxyanion Complex. Journal of the American Chemical Society, 2016, 138, 10032-10040.	13.7	29
18	Synthesis, properties, and crystal structure of a novel 3-hydroxy-(4H)-benzopyran-4-one containing copper(II) complex, and its oxygenation and relevance to quercetinase. Transition Metal Chemistry, 2004, 29, 630-633.	1.4	26

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19	Stabilisation of Î¼-peroxido-bridged Fe(iii) intermediates with non-symmetric bidentate N-donor ligands. Chemical Communications, 2014, 50, 1326-1329.	4.1	25
20	Chloro and Azido Diruthenium Complexes Bearing Electron-Rich <i>N</i>,<i>N</i>â€²,<i>N</i>â€²â€²-Triphenylguanidinate Ligands. Inorganic Chemistry, 2009, 48, 9846-9852.	4.0	24
21	Copper Containing Molecular Systems in Electrocatalytic Water Oxidationâ€”Trends and Perspectives. Catalysts, 2019, 9, 83.	3.5	22
22	Correlation between the SOD-like activity of hexacoordinate iron(II) complexes and their Fe3+/Fe2+ redox potentials. Inorganic Chemistry Communication, 2011, 14, 205-209.	3.9	20
23	Transition metal complexes bearing flexible N3 or N3O donor ligands: Reactivity toward superoxide radical anion and hydrogen peroxide. Journal of Inorganic Biochemistry, 2012, 117, 60-70.	3.5	19
24	Bio-inspired flavonol and quinolone dioxygenation by a non-heme iron catalyst modeling the action of flavonol and 3-hydroxy-4(1H)-quinolone 2,4-dioxygenases. Journal of Inorganic Biochemistry, 2012, 108, 15-21.	3.5	19
25	Bio-inspired amino acid oxidation by a non-heme iron catalyst modeling the action of 1-aminocyclopropane-1-carboxylic acid oxidase. Chemical Communications, 2010, 46, 7391.	4.1	17
26	Branched peptide with three histidines for the promotion of Cu^{II} binding in a wide pH range â€“ complementary potentiometric, spectroscopic and electrochemical studies. RSC Advances, 2015, 5, 56922-56931.	3.6	17
27	Self-assembled, nanostructured coatings for water oxidation by alternating deposition of Cu-branched peptide electrocatalysts and polyelectrolytes. Chemical Science, 2016, 7, 5249-5259.	7.4	17
28	The Cu²⁺ Binding Properties of Branched Peptides Based on <scp>l</scp>-2,3-Diaminopropionic Acid. Inorganic Chemistry, 2014, 53, 7951-7959.	4.0	15
29	Redox properties of cobalt(II) complexes with isoindoline-based ligands. Transition Metal Chemistry, 2011, 36, 481-487.	1.4	14
30	Utilization of hydrophobic ligands for water-insoluble Fe(II) water oxidation catalysts â€“ Immobilization and characterization. Journal of Catalysis, 2020, 381, 615-625.	6.2	13
31	Molecular and electronic structure of a trinuclear oxo-centred Iron(III) complex with trigonal bipyramidal metal sites. Inorganic Chemistry Communication, 2010, 13, 1069-1073.	3.9	11
32	Influence of meridional N3-ligands on supramolecular assembling and redox behavior of carboxylatocopper(II) complexes. Inorganic Chemistry Communication, 2011, 14, 1767-1772.	3.9	10
33	Interactions of anti-Parkinson drug benserazide with Zn(II), Cu(II), Fe(II) ions. Journal of Pharmaceutical and Biomedical Analysis, 2013, 76, 36-43.	2.8	10
34	Oxidative Degradation of Amino Acids and Aminophosphonic Acids by 2,2â€²-Bipyridine Complexes of Copper(II). European Journal of Inorganic Chemistry, 2014, 2014, 2829-2838.	2.0	10
35	On the Cu(III)/Cu(II) Redox Chemistry of Cu-Peptide Complexes to Assist Catalyst Design. Comments on Inorganic Chemistry, 2017, 37, 59-77.	5.2	10
36	Electrodeposition of Fe-Complexes on Oxide Surfaces for Efficient OER Catalysis. Catalysts, 2021, 11, 577.	3.5	10

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37	Armed by Asp? C-terminal carboxylate in a Dap-branched peptide and consequences in the binding of Cu^{II} and electrocatalytic water oxidation. RSC Advances, 2017, 7, 24657-24666.	3.6	9
38	In vitro SOD-like activity of mono- and di-copper complexes with a phosphonate substituted SALAN-type ligand. Chemico-Biological Interactions, 2019, 306, 78-88.	4.0	9
39	Modeling antioxidant properties of polyphenols by the TEMPO-initiated reaction of 3,5-di-tert-butylcatechol with dioxygen. Food Chemistry, 2005, 93, 425-430.	8.2	8
40	Behavior of a Cu-Peptide complex under water oxidation conditions â€“ Molecular electrocatalyst or precursor to nanostructured CuO films?. Solar Energy Materials and Solar Cells, 2019, 201, 110079.	6.2	8
41	Redox-active ligands in artificial photosynthesis: a review. Environmental Chemistry Letters, 2022, 20, 3657-3695.	16.2	8
42	DPPH-initiated oxygenation of 3-hydroxyflavone to O-benzoylsalicylic acid. Reaction Kinetics and Catalysis Letters, 2005, 85, 115-121.	0.6	7
43	The binding abilities of homodetic cyclic His-peptides toward copper ions. Inorganica Chimica Acta, 2018, 472, 3-11.	2.4	7
44	Electrocatalytic water oxidation influenced by the ratio between Cu2+ and a multiply branched peptide ligand. Catalysis Communications, 2019, 122, 5-9.	3.3	7
45	An efficient copper(III) catalyst in the four electron reduction of molecular oxygen by l-ascorbic acid. Journal of Molecular Catalysis A, 2011, 334, 77-82.	4.8	6
46	An Iron(III) Complex with Pincer Ligandâ€"Catalytic Water Oxidation through Controllable Ligand Exchange. Reactions, 2020, 1, 16-36.	2.1	6
47	Copper catalyzed oxidation of amino acids. Polyhedron, 2014, 73, 37-44.	2.2	5
48	Redox-inactive metal single-site molecular complexes: a new generation of electrocatalysts for oxygen evolution?. Catalysis Science and Technology, 2021, 11, 6411-6424.	4.1	4
49	Synthesis of a low-spin iron(III) complex from its high-spin iron(II) counterpart: What causes redox potentials that disobey the expected trends?. Inorganic Chemistry Communication, 2013, 27, 152-155.	3.9	3
50	Synthesis and catalase-like activity of dimanganese complexes with phthalazine-based ligands. Transition Metal Chemistry, 2011, 36, 603-609.	1.4	2
51	Crystal structure of [3-(N-methyl-2-pyridyl-N-hydroxymethyl-2-pyridyl)- aminopropionic Â· 2H2O. Zeitschrift Fur Kristallographie - New Crystal Structures, 2011, 226, .	0.3	1
52	SOD-Like Activity of Copper(II) Containing Metallopeptides Branched By 2,3-Diaminopropionic Acid: What the N-Termini Elevate, the C-Terminus Ruins. International Journal of Peptide Research and Therapeutics, 2019, 25, 711-717.	1.9	1