

# Isabel Moura

## List of Publications by Year in descending order

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314  
papers

11,030  
citations

30070

54  
h-index

53230

85  
g-index

328  
all docs

328  
docs citations

328  
times ranked

6797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Dioxide Utilisationâ€”The Formate Route. , 2021, , 29-81.		9
2	Human erythrocytes exposure to juglone leads to an increase of superoxide anion production associated with cytochrome b5 reductase uncoupling. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148134.	1.0	5
3	The effect of pH on <i>Marinobacter hydrocarbonoclasticus</i> denitrification pathway and nitrous oxide reductase. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 927-940.	2.6	15
4	5. The Tetranuclear Copper-Sulfide Center of Nitrous Oxide Reductase. , 2020, 20, 139-164.		1
5	Proton-coupled electron transfer mechanisms of the copper centres of nitrous oxide reductase from <i>Marinobacter hydrocarbonoclasticus</i> â€” An electrochemical study. <i>Bioelectrochemistry</i> , 2020, 133, 107483.	4.6	10
6	Electroanalytical characterization of the direct <i>Marinobacter hydrocarbonoclasticus</i> nitric oxide reductase-catalysed nitric oxide and dioxygen reduction. <i>Bioelectrochemistry</i> , 2019, 125, 8-14.	4.6	5
7	Ni <sup>II</sup> â€”Catalyzed Tyrosine Nitration in the Presence of Nitrite and Sulfite. <i>Chemistry - A European Journal</i> , 2019, 25, 4309-4314.	3.3	6
8	Ligand accessibility to heme cytochrome b5 coordinating sphere and enzymatic activity enhancement upon tyrosine ionization. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 317-330.	2.6	4
9	Source and reduction of nitrous oxide. <i>Coordination Chemistry Reviews</i> , 2019, 387, 436-449.	18.8	53
10	Direct electrochemical reduction of carbon dioxide by a molybdenum-containing formate dehydrogenase. <i>Journal of Inorganic Biochemistry</i> , 2019, 196, 110694.	3.5	22
11	Biosensor for direct bioelectrocatalysis detection of nitric oxide using nitric oxide reductase incorporated in carboxylated single-walled carbon nanotubes/lipidic 3 bilayer nanocomposite. <i>Bioelectrochemistry</i> , 2019, 127, 76-86.	4.6	26
12	Fluorescence anisotropy of fluorescein derivative varies according to pH: Lessons for binding studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 59-62.	3.9	3
13	Third-generation electrochemical biosensor based on nitric oxide reductase immobilized in a multiwalled carbon nanotubes/1-n-butyl-3-methylimidazolium tetrafluoroborate nanocomposite for nitric oxide detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 445-452.	7.8	32
14	Peroxidase-like activity of cytochrome b 5 is triggered upon hemichrome formation in alkaline pH. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 373-378.	2.3	6
15	Cytochrome b5 reductase is the component from neuronal synaptic plasma membrane vesicles that generates superoxide anion upon stimulation by cytochrome c. <i>Redox Biology</i> , 2018, 15, 109-114.	9.0	12
16	Unusual Reduction Mechanism of Copper in Cysteine-Rich Environment. <i>Inorganic Chemistry</i> , 2018, 57, 8078-8088.	4.0	20
17	Nitric Oxide Detection Using Electrochemical Thirdâ€”generation Biosensors â€” Based on Heme Proteins and Porphyrins. <i>Electroanalysis</i> , 2018, 30, 2485-2503.	2.9	12
18	Small phospho-donors phosphorylate MorR without inducing protein conformational changes. <i>Biophysical Chemistry</i> , 2018, 240, 25-33.	2.8	1

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19	Topography of human cytochrome b5/cytochrome b5 reductase interacting domain and redox alterations upon complex formation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 78-87.	1.0	13
20	Genomic organization, gene expression and activity profile of <i>Marinobacter hydrocarbonoclasticus</i> denitrification enzymes. <i>PeerJ</i> , 2018, 6, e5603.	2.0	8
21	Protein-Assisted Formation of Molybdenum Heterometallic Clusters: Evidence for the Formation of $S_2MoS_2$ and $S_2MoS_2$ Clusters with M = Fe, Co, Ni, Cu, or Cd within the Orange Protein. <i>Inorganic Chemistry</i> , 2017, 56, 2210-2220.	4.0	12
22	Spectroscopic Definition of the $CuZ$ Intermediate in Turnover of Nitrous Oxide Reductase and Molecular Insight into the Catalytic Mechanism. <i>Journal of the American Chemical Society</i> , 2017, 139, 4462-4476.	13.7	33
23	EPR Spectroscopy on Mononuclear Molybdenum-Containing Enzymes. <i>Biological Magnetic Resonance</i> , 2017, , 55-101.	0.4	6
24	Understanding the response of <i>Desulfovibrio desulfuricans</i> ATCC 27774 to the electron acceptors nitrate and sulfate - biosynthetic costs modulate substrate selection. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1455-1469.	2.3	10
25	Insights into the recognition and electron transfer steps in nitric oxide reductase from <i>Marinobacter hydrocarbonoclasticus</i> . <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 402-411.	3.5	11
26	The catalytic cycle of nitrous oxide reductase – The enzyme that catalyzes the last step of denitrification. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 423-434.	3.5	37
27	Insights into the Molybdenum/Copper Heterometallic Cluster Assembly in the Orange Protein: Probing Intermolecular Interactions with an Artificial Metal-Binding ATCUN Tag. <i>Inorganic Chemistry</i> , 2017, 56, 8900-8911.	4.0	11
28	Rubredoxins derivatives: Simple sulphur-rich coordination metal sites and its relevance for biology and chemistry. <i>Coordination Chemistry Reviews</i> , 2017, 352, 379-397.	18.8	21
29	Molybdenum and tungsten-containing formate dehydrogenases: Aiming to inspire a catalyst for carbon dioxide utilization. <i>Inorganica Chimica Acta</i> , 2017, 455, 350-363.	2.4	96
30	Electron transfer and docking between cytochrome cd 1 nitrite reductase and different redox partners – A comparative study. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1412-1421.	1.0	7
31	The small iron-sulfur protein from the ORP operon binds a [2Fe-2S] cluster. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1422-1429.	1.0	7
32	Reduction of Carbon Dioxide by a Molybdenum-Containing Formate Dehydrogenase: A Kinetic and Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2016, 138, 8834-8846.	13.7	112
33	Orange protein from <i>Desulfovibrio alaskensis</i> G20: insights into the Mo-Cu cluster protein-assisted synthesis. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 53-62.	2.6	5
34	CHAPTER 7. Insights into Nitrous Oxide Reductase. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2016, , 141-169.	0.8	3
35	CHAPTER 1. Molybdenum and Tungsten-Containing Enzymes: An Overview. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2016, , 1-80.	0.8	11
36	CHAPTER 11. Electron Transfer and Molecular Recognition in Denitrification and Nitrate Dissimilatory Pathways. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2016, , 252-286.	0.8	0

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37	CHAPTER 1. A Bird's Eye View of Denitrification in Relation to the Nitrogen Cycle. 2-Oxoglutarate-Dependent Oxygenases, 2016, , 1-10.	0.8	2
38	Molybdenum and tungsten-dependent formate dehydrogenases. Journal of Biological Inorganic Chemistry, 2015, 20, 287-309.	2.6	117
39	Incorporation of molybdenum in rubredoxin: models for mononuclear molybdenum enzymes. Journal of Biological Inorganic Chemistry, 2015, 20, 821-829.	2.6	12
40	Protonation state of the Cu <sub>4</sub> S <sub>2</sub> Cu <sub>Z</sub> site in nitrous oxide reductase: redox dependence and insight into reactivity. Chemical Science, 2015, 6, 5670-5679.	7.4	23
41	SERR Spectroelectrochemical Study of Cytochrome cd1 Nitrite Reductase Co-Immobilized with Physiological Redox Partner Cytochrome c552 on Biocompatible Metal Electrodes. PLoS ONE, 2015, 10, e0129940.	2.5	14
42	One Electron Reduced Square Planar Bis(benzene-1,2-dithiolato) Copper Dianionic Complex and Redox Switch by O <sub>2</sub> /HO <sup>•</sup> . Inorganic Chemistry, 2014, 53, 12799-12808.	4.0	20
43	ArsC3 from Desulfovibrio alaskensis G20, a cation and sulfate-independent highly efficient arsenate reductase. Journal of Biological Inorganic Chemistry, 2014, 19, 1277-1285.	2.6	5
44	Mo-Cu metal cluster formation and binding in an orange protein isolated from Desulfovibrio gigas. Journal of Biological Inorganic Chemistry, 2014, 19, 605-614.	2.6	22
45	Synthesis and characterization of [S <sub>2</sub> MoS <sub>2</sub> Cu(n-SPhF)] <sub>2</sub> <sup>n-</sup> (n=o, m, p) clusters: Potential 19F-NMR structural probes for Orange Protein. Inorganic Chemistry Communication, 2014, 45, 97-100.	3.9	4
46	Determination of the Active Form of the Tetranuclear Copper Sulfur Cluster in Nitrous Oxide Reductase. Journal of the American Chemical Society, 2014, 136, 614-617.	13.7	52
47	Steady-state kinetics with nitric oxide reductase (NOR): New considerations on substrate inhibition profile and catalytic mechanism. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 375-384.	1.0	23
48	Superoxide Reductase: Different Interaction Modes with its Two Redox Partners. ChemBioChem, 2013, 14, 1858-1866.	2.6	10
49	Iron-Sulfur Centers: New Roles for Ancient Metal Sites. , 2013, , 103-148.		6
50	Nitrous oxide reductase. Coordination Chemistry Reviews, 2013, 257, 332-349.	18.8	151
51	Periplasmic nitrate reductases and formate dehydrogenases: Biological control of the chemical properties of Mo and W for fine tuning of reactivity, substrate specificity and metabolic role. Coordination Chemistry Reviews, 2013, 257, 315-331.	18.8	38
52	Electrochemical behaviour of bacterial nitric oxide reductase—Evidence of low redox potential non-heme FeB gives new perspectives on the catalytic mechanism. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 233-238.	1.0	27
53	Copper-substituted forms of the wild type and C42A variant of rubredoxin. Journal of Inorganic Biochemistry, 2013, 127, 232-237.	3.5	11
54	Rearrangement of Mo-Cu-S Cluster Reflects the Structural Instability of Orange Protein Cofactor. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1361-1364.	1.2	7

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55	Biochemical characterization of the purple form of <i>Marinobacter hydrocarbonoclasticus</i> nitrous oxide reductase. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1204-1212.	4.0	25
56	Analysis of resonance Raman data on the blue copper site in pseudoazurin: Excited state $\ddot{\epsilon}$ and $\dot{f}$ charge transfer distortions and their relation to ground state reorganization energy. <i>Journal of Inorganic Biochemistry</i> , 2012, 115, 155-162.	3.5	12
57	Synthesis of $[\text{MoS}_4]^{2-}$ $\text{M}$ (M = Cu and Cd) Clusters: Potential NMR Spectroscopic Structural Probes for the Orange Protein. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4159-4166.	2.0	8
58	Substrate-dependent modulation of the enzymatic catalytic activity: Reduction of nitrate, chlorate and perchlorate by respiratory nitrate reductase from <i>Marinobacter hydrocarbonoclasticus</i> 617. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1072-1082.	1.0	33
59	Comparative electrochemical study of superoxide reductases. <i>European Biophysics Journal</i> , 2012, 41, 209-215.	2.2	4
60	Effects of Molybdate and Tungstate on Expression Levels and Biochemical Characteristics of Formate Dehydrogenases Produced by <i>Desulfovibrio alaskensis</i> NCIMB 13491. <i>Journal of Bacteriology</i> , 2011, 193, 2917-2923.	2.2	38
61	Low-Spin Heme $\text{b}_3$ in the Catalytic Center of Nitric Oxide Reductase from <i>Pseudomonas nautica</i> . <i>Biochemistry</i> , 2011, 50, 4251-4262.	2.5	34
62	The Crystal Structure of <i>Cupriavidus necator</i> Nitrate Reductase in Oxidized and Partially Reduced States. <i>Journal of Molecular Biology</i> , 2011, 408, 932-948.	4.2	78
63	New spectroscopic and electrochemical insights on a class I superoxide reductase: evidence for an intramolecular electron-transfer pathway. <i>Biochemical Journal</i> , 2011, 438, 485-494.	3.7	15
64	Structural redox control in a 7Fe ferredoxin isolated from <i>Desulfovibrio alaskensis</i> . <i>Bioelectrochemistry</i> , 2011, 82, 22-28.	4.6	2
65	The Anaerobe-Specific Orange Protein Complex of <i>Desulfovibrio vulgaris</i> Hildenborough Is Encoded by Two Divergent Operons Coregulated by $\dot{f}$ <sup>54</sup> and a Cognate Transcriptional Regulator. <i>Journal of Bacteriology</i> , 2011, 193, 3207-3219.	2.2	22
66	Crystal structure of the zinc-, cobalt-, and iron-containing adenylate kinase from <i>Desulfovibrio gigas</i> : a novel metal-containing adenylate kinase from Gram-negative bacteria. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 51-61.	2.6	8
67	Artefacts induced on c-type haem proteins by electrode surfaces. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 209-215.	2.6	10
68	The tetranuclear copper active site of nitrous oxide reductase: the Cu <sub>Z</sub> center. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 183-194.	2.6	34
69	Analysis of the activation mechanism of <i>Pseudomonas stutzeri</i> cytochrome c peroxidase through an electron transfer chain. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 881-888.	2.6	5
70	The electron transfer complex between nitrous oxide reductase and its electron donors. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 1241-1254.	2.6	26
71	The mechanism of formate oxidation by metal-dependent formate dehydrogenases. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 1255-1268.	2.6	75
72	An NMR structural study of nickel-substituted rubredoxin. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 409-420.	2.6	17

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73	A new CuZ active form in the catalytic reduction of N2O by nitrous oxide reductase from <i>Pseudomonas nautica</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 967-976.	2.6	26
74	Relations between mercury, methyl-mercury and selenium in tissues of <i>Octopus vulgaris</i> from the Portuguese Coast. <i>Environmental Pollution</i> , 2010, 158, 2094-2100.	7.5	36
75	Association of Zn, Cu, Cd and Pb with protein fractions and sub-cellular partitioning in the digestive gland of <i>Octopus vulgaris</i> living in habitats with different metal levels. <i>Chemosphere</i> , 2010, 81, 1314-1319.	8.2	13
76	Metallothioneins and trace elements in digestive gland, gills, kidney and gonads of <i>Octopus vulgaris</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 152, 139-146.	2.6	13
77	Rubredoxin mutant A51C unfolding dynamics: A Förster Resonance Energy Transfer study. <i>Biophysical Chemistry</i> , 2010, 148, 131-137.	2.8	6
78	The 1.4 Å resolution structure of <i>Paracoccus pantotrophus</i> pseudoazurin. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 627-635.	0.7	15
79	Measuring the Cytochrome $c$ Nitrite Reductase Activity – Practical Considerations on the Enzyme Assays. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-8.	4.1	15
80	DNA damage and metal accumulation in four tissues of feral <i>Octopus vulgaris</i> from two coastal areas in Portugal. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1543-1547.	6.0	19
81	The effect of the sixth sulfur ligand in the catalytic mechanism of periplasmic nitrate reductase. <i>Journal of Computational Chemistry</i> , 2009, 30, 2466-2484.	3.3	48
82	Can ultrasonic energy efficiently speed up labeling of proteins?. <i>Proteomics</i> , 2009, 9, 4974-4977.	2.2	7
83	Camelid nanobodies raised against an integral membrane enzyme, nitric oxide reductase. <i>Protein Science</i> , 2009, 18, 619-628.	7.6	28
84	Crystallization and crystallographic analysis of the apo form of the orange protein (ORP) from <i>Desulfovibrio gigas</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 730-732.	0.7	9
85	Cobalt-, zinc- and iron-bound forms of adenylate kinase (AK) from the sulfate-reducing bacterium <i>Desulfovibrio gigas</i> : purification, crystallization and preliminary X-ray diffraction analysis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 926-929.	0.7	4
86	Ecotoxicity tests in the environmental analysis of wastewater treatment plants: Case study in Portugal. <i>Journal of Hazardous Materials</i> , 2009, 163, 665-670.	12.4	60
87	Isolation and characterization of a new Cu-Fe protein from <i>Desulfovibrio aminophilus</i> DSM12254. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1314-1322.	3.5	3
88	Rubredoxin as a paramagnetic relaxation-inducing probe. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1245-1253.	3.5	13
89	Molybdenum Induces the Expression of a Protein Containing a New Heterometallic Mo-Fe Cluster in <i>Desulfovibrio alaskensis</i> . <i>Biochemistry</i> , 2009, 48, 873-882.	2.5	25
90	Zinc-substituted <i>Desulfovibrio gigas</i> desulforedoxins: Resolving subunit degeneracy with nonsymmetric pseudocontact shifts. <i>Protein Science</i> , 2009, 11, 2464-2470.	7.6	10

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91	Kinetic, Structural, and EPR Studies Reveal That Aldehyde Oxidoreductase from <i>Desulfovibrio gigas</i> Does Not Need a Sulfido Ligand for Catalysis and Give Evidence for a Direct Mo <sup>VI</sup> -C Interaction in a Biological System. <i>Journal of the American Chemical Society</i> , 2009, 131, 7990-7998.	13.7	33
92	A variable temperature spectroscopic study on <i>Paracoccus pantotrophus</i> pseudoazurin: Protein constraints on the blue Cu site. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1307-1313.	3.5	17
93	Total lead and its stable isotopes in the digestive gland of <i>Octopus vulgaris</i> as a fingerprint. <i>Aquatic Biology</i> , 2009, 6, 25-30.	1.4	8
94	Direct electrochemical study of the multiple redox centers of hydrogenase from <i>Desulfovibrio gigas</i> . <i>Bioelectrochemistry</i> , 2008, 74, 83-89.	4.6	15
95	Periplasmic nitrate reductase revisited: a sulfur atom completes the sixth coordination of the catalytic molybdenum. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 737-753.	2.6	94
96	Benefits of membrane electrodes in the electrochemistry of metalloproteins: mediated catalysis of <i>Paracoccus pantotrophus</i> cytochrome c peroxidase by horse cytochrome c: a case study. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 779-787.	2.6	4
97	Enzymatic activity mastered by altering metal coordination spheres. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 1185-1195.	2.6	22
98	Biochemical and spectroscopic characterization of the membrane-bound nitrate reductase from <i>Marinobacter hydrocarbonoclasticus</i> 617. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 1321-1333.	2.6	22
99	Purification, crystallization and preliminary X-ray diffraction analysis of adenosine triphosphate sulfurylase (ATPS) from the sulfate-reducing bacterium <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 593-595.	0.7	2
100	Ecotoxicological assessment of industrial wastewaters in Trancão River Basin (Portugal). <i>Environmental Toxicology</i> , 2008, 23, 466-472.	4.0	19
101	A new type of metal-binding site in cobalt- and zinc-containing adenylate kinases isolated from sulfate-reducers <i>Desulfovibrio gigas</i> and <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1380-1395.	3.5	16
102	Sub-cellular partitioning of Zn, Cu, Cd and Pb in the digestive gland of native <i>Octopus vulgaris</i> exposed to different metal concentrations (Portugal). <i>Science of the Total Environment</i> , 2008, 390, 410-416.	8.0	22
103	Influence of the Protein Staining in the Fast Ultrasonic Sample Treatment for Protein Identification through Peptide Mass Fingerprint and Matrix-Assisted Laser Desorption Ionization Time of Flight Mass Spectrometry. <i>Journal of Proteome Research</i> , 2008, 7, 2097-2106.	3.7	20
104	An improved clean sonoreactor-based method for protein identification by mass spectrometry-based techniques. <i>Talanta</i> , 2008, 77, 870-875.	5.5	25
105	Modelling metallothionein induction in the liver of <i>Sparus aurata</i> exposed to metal-contaminated sediments. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 117-124.	6.0	29
106	Calcium-Dependent Heme Structure in the Reduced Forms of the Bacterial Cytochrome <i>c</i> Peroxidase from <i>Paracoccus pantotrophus</i> . <i>Biochemistry</i> , 2008, 47, 5841-5850.	2.5	9
107	Electron Transfer Complex between Nitrous Oxide Reductase and Cytochrome <i>c</i> <sub>552</sub> from <i>Pseudomonas nautica</i> : Kinetic, Nuclear Magnetic Resonance, and Docking Studies. <i>Biochemistry</i> , 2008, 47, 10852-10862.	2.5	42
108	Dissimilatory nitrate and nitrite ammonification by sulphate-reducing eubacteria. , 2007, , 241-264.		15

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109	Sonoreactor-Based Technology for Fast High-Throughput Proteolytic Digestion of Proteins. <i>Journal of Proteome Research</i> , 2007, 6, 909-912.	3.7	41
110	Chromatographic-based methods for pesticide determination in honey: An overview. <i>Talanta</i> , 2007, 71, 503-514.	5.5	112
111	Gas chromatography mass spectrometry determination of acaricides from honey after a new fast ultrasonic-based solid phase micro-extraction sample treatment. <i>Talanta</i> , 2007, 71, 1906-1914.	5.5	49
112	Crystal Structure of the 16 Heme Cytochrome from <i>Desulfovibrio gigas</i> : A Glycosylated Protein in a Sulphate-reducing Bacterium. <i>Journal of Molecular Biology</i> , 2007, 370, 659-673.	4.2	23
113	A needle in a haystack: The active site of the membrane-bound complex cytochrome nitrite reductase. <i>FEBS Letters</i> , 2007, 581, 284-288.	2.8	60
114	Spectroscopic, Computational, and Kinetic Studies of the $\mu_4$ -Sulfide-Bridged Tetranuclear Cu <sub>4</sub> Z Cluster in N <sub>2</sub> O Reductase: A pH Effect on the Edge Ligand and Its Contribution to Reactivity. <i>Journal of the American Chemical Society</i> , 2007, 129, 3955-3965.	13.7	52
115	Improving Sample Treatment for In-Solution Protein Identification by Peptide Mass Fingerprint Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Journal of Proteome Research</i> , 2007, 6, 3393-3399.	3.7	27
116	Superoxide Reductases. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2569-2581.	2.0	33
117	New findings for in-gel digestion accelerated by high-intensity focused ultrasound for protein identification by matrix-assisted laser desorption ionization time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1153, 291-299.	3.7	32
118	Ultrasonic assisted protein enzymatic digestion for fast protein identification by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1166, 101-107.	3.7	55
119	EPR characterization of the molybdenum(V) forms of formate dehydrogenase from <i>Desulfovibrio desulfuricans</i> ATCC 27774 upon formate reduction. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1617-1622.	3.5	42
120	Heterodimeric nitrate reductase (NapAB) from <i>Cupriavidus necator</i> H16: purification, crystallization and preliminary X-ray analysis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 516-519.	0.7	19
121	Simplifying sample handling for protein identification by peptide mass fingerprint using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3269-3278.	1.5	17
122	Mediated catalysis of <i>Paracoccus pantotrophus</i> cytochrome c peroxidase by <i>P. pantotrophus</i> pseudoazurin: kinetics of intermolecular electron transfer. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 691-698.	2.6	20
123	NMR assignment of the apo-form of a <i>Desulfovibrio gigas</i> protein containing a novel Mo-Cu cluster. <i>Biomolecular NMR Assignments</i> , 2007, 1, 81-83.	0.8	16
124	Structural and Electron Paramagnetic Resonance (EPR) Studies of Mononuclear Molybdenum Enzymes from Sulfate-Reducing Bacteria. <i>Accounts of Chemical Research</i> , 2006, 39, 788-796.	15.6	47
125	Molybdenum and tungsten enzymes: the xanthine oxidase family. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 109-114.	6.1	99
126	Biochemical and spectroscopic characterization of an aldehyde oxidoreductase isolated from <i>Desulfovibrio aminophilus</i> . <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 44-50.	3.5	13



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127	Bacterial nitrate reductases: Molecular and biological aspects of nitrate reduction. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1015-1023.	3.5	234
128	Metalloenzymes of the denitrification pathway. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 2087-2100.	3.5	193
129	Sample treatment for protein identification by mass spectrometry-based techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 996-1005.	11.4	57
130	<i>Desulfovibrio gigas</i> ferredoxin II: redox structural modulation of the [3Fe $\mu$ -4S] cluster. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 307-315.	2.6	2
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132	The first crystal structure of class III superoxide reductase from <i>Treponema pallidum</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 548-558.	2.6	37
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282	The iron-sulfur centers of the soluble [NiFeSe] hydrogenase, from <i>Desulfovibrio baculatus</i> (DSM) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.2	35
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