Isabel Moura

List of Publications by Year
in descending order

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314 papers	11,030 citations	29994 54 h-index	53109 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. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148134.	0.5	5
3	The effect of pH on Marinobacter hydrocarbonoclasticus denitrification pathway and nitrous oxide reductase. Journal of Biological Inorganic Chemistry, 2020, 25, 927-940.	1.1	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 Marinobacter hydrocarbonoclasticus â€" An electrochemical study. Bioelectrochemistry, 2020, 133, 107483.	2.4	10
6	Electroanalytical characterization of the direct Marinobacter hydrocarbonoclasticus nitric oxide reductase-catalysed nitric oxide and dioxygen reduction. Bioelectrochemistry, 2019, 125, 8-14.	2.4	5
7	Ni^{II}â€ATCUNâ€Catalyzed Tyrosine Nitration in the Presence of Nitrite and Sulfite. Chemistry - A European Journal, 2019, 25, 4309-4314.	1.7	6
8	Ligand accessibility to heme cytochrome b5 coordinating sphere and enzymatic activity enhancement upon tyrosine ionization. Journal of Biological Inorganic Chemistry, 2019, 24, 317-330.	1.1	4
9	Source and reduction of nitrous oxide. Coordination Chemistry Reviews, 2019, 387, 436-449.	9.5	53
10	Direct electrochemical reduction of carbon dioxide by a molybdenum-containing formate dehydrogenase. Journal of Inorganic Biochemistry, 2019, 196, 110694.	1.5	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. Bioelectrochemistry, 2019, 127, 76-86.	2.4	26
12	Fluorescence anisotropy of fluorescein derivative varies according to pH: Lessons for binding studies. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 372, 59-62.	2.0	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. Sensors and Actuators B: Chemical, 2019, 285, 445-452.	4.0	32
14	Peroxidase-like activity of cytochrome b 5 is triggered upon hemichrome formation in alkaline pH. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 373-378.	1.1	6
15	Cytochrome b5 reductase is the component from neuronal synaptic plasma membrane vesicles that generates superoxide anion upon stimulation by cytochrome c. Redox Biology, 2018, 15, 109-114.	3.9	12
16	Unusual Reduction Mechanism of Copper in Cysteine-Rich Environment. Inorganic Chemistry, 2018, 57, 8078-8088.	1.9	20
17	Nitric Oxide Detection Using Electrochemical Thirdâ€generation Biosensors â€" Based on Heme Proteins and Porphyrins. Electroanalysis, 2018, 30, 2485-2503.	1.5	12
18	Small phospho-donors phosphorylate MorR without inducing protein conformational changes. Biophysical Chemistry, 2018, 240, 25-33.	1.5	1

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19	Topography of human cytochrome b5/cytochrome b5 reductase interacting domain and redox alterations upon complex formation. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 78-87.	0.5	13
20	Genomic organization, gene expression and activity profile ofMarinobacter hydrocarbonoclasticusdenitrification enzymes. PeerJ, 2018, 6, e5603.	0.9	8
21	Protein-Assisted Formation of Molybdenum Heterometallic Clusters: Evidence for the Formation of S₂MoS₂â€“Mâ€“S₂MoS₂ Clusters with M = Fe, Co, Ni, Cu, or Cd within the Orange Protein. Inorganic Chemistry, 2017, 56, 2210-2220.	1.9	12
22	Spectroscopic Definition of the Cu_ZÂ° Intermediate in Turnover of Nitrous Oxide Reductase and Molecular Insight into the Catalytic Mechanism. Journal of the American Chemical Society, 2017, 139, 4462-4476.	6.6	33
23	EPR Spectroscopy on Mononuclear Molybdenum-Containing Enzymes. Biological Magnetic Resonance, 2017, , 55-101.	0.4	6
24	Understanding the response of Desulfovibrio desulfuricans ATCC 27774 to the electron acceptors nitrate and sulfate - biosynthetic costs modulate substrate selection. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 1455-1469.	1.1	10
25	Insights into the recognition and electron transfer steps in nitric oxide reductase from Marinobacter hydrocarbonoclasticus. Journal of Inorganic Biochemistry, 2017, 177, 402-411.	1.5	11
26	The catalytic cycle of nitrous oxide reductase â€" The enzyme that catalyzes the last step of denitrification. Journal of Inorganic Biochemistry, 2017, 177, 423-434.	1.5	37
27	Insights into the Molybdenum/Copper Heterometallic Cluster Assembly in the Orange Protein: Probing Intermolecular Interactions with an Artificial Metal-Binding ATCUN Tag. Inorganic Chemistry, 2017, 56, 8900-8911.	1.9	11
28	Rubredoxins derivatives: Simple sulphur-rich coordination metal sites and its relevance for biology and chemistry. Coordination Chemistry Reviews, 2017, 352, 379-397.	9.5	21
29	Molybdenum and tungsten-containing formate dehydrogenases: Aiming to inspire a catalyst for carbon dioxide utilization. Inorganica Chimica Acta, 2017, 455, 350-363.	1.2	96
30	Electron transfer and docking between cytochrome cd 1 nitrite reductase and different redox partners â€" A comparative study. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1412-1421.	0.5	7
31	The small iron-sulfur protein from the ORP operon binds a [2Fe-2S] cluster. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1422-1429.	0.5	7
32	Reduction of Carbon Dioxide by a Molybdenum-Containing Formate Dehydrogenase: A Kinetic and Mechanistic Study. Journal of the American Chemical Society, 2016, 138, 8834-8846.	6.6	112
33	Orange protein from Desulfovibrio alaskensis G20: insights into the Moâ€“Cu cluster protein-assisted synthesis. Journal of Biological Inorganic Chemistry, 2016, 21, 53-62.	1.1	5
34	CHAPTER 7. Insights into Nitrous Oxide Reductase. 2-Oxoglutarate-Dependent Oxygenases, 2016, , 141-169.	0.8	3
35	CHAPTER 1. Molybdenum and Tungsten-Containing Enzymes: An Overview. 2-Oxoglutarate-Dependent Oxygenases, 2016, , 1-80.	0.8	11
36	CHAPTER 11. Electron Transfer and Molecular Recognition in Denitrification and Nitrate Dissimilatory Pathways. 2-Oxoglutarate-Dependent Oxygenases, 2016, , 252-286.	0.8	0

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37	CHAPTER 1. A Birdâ€™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.	1.1	117
39	Incorporation of molybdenum in rubredoxin: models for mononuclear molybdenum enzymes. Journal of Biological Inorganic Chemistry, 2015, 20, 821-829.	1.1	12
40	Protonation state of the Cu₄S₂ Cu_Z site in nitrous oxide reductase: redox dependence and insight into reactivity. Chemical Science, 2015, 6, 5670-5679.	3.7	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.	1.1	14
42	One Electron Reduced Square Planar Bis(benzene-1,2-dithiolato) Copper Dianionic Complex and Redox Switch by O₂/HO^{â€“}. Inorganic Chemistry, 2014, 53, 12799-12808.	1.9	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.	1.1	5
44	Moâ€“Cu metal cluster formation and binding in an orange protein isolated from Desulfovibrio gigas. Journal of Biological Inorganic Chemistry, 2014, 19, 605-614.	1.1	22
45	Synthesis and characterization of [S2MoS2Cu(n-SPhF)]2â¯(n=o, m, p) clusters: Potential 19F-NMR structural probes for Orange Protein. Inorganic Chemistry Communication, 2014, 45, 97-100.	1.8	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.	6.6	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.	0.5	23
48	Superoxide Reductase: Different Interaction Modes with its Two Redox Partners. ChemBioChem, 2013, 14, 1858-1866.	1.3	10
49	Ironâ€“Sulfur Centers: New Roles for Ancient Metal Sites. , 2013, , 103-148.		6
50	Nitrous oxide reductase. Coordination Chemistry Reviews, 2013, 257, 332-349.	9.5	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.	9.5	38
52	Electrochemical behaviour of bacterial nitric oxide reductaseâ€”Evidence of low redox potential non-heme FeB gives new perspectives on the catalytic mechanism. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 233-238.	0.5	27
53	Copper-substituted forms of the wild type and C42A variant of rubredoxin. Journal of Inorganic Biochemistry, 2013, 127, 232-237.	1.5	11
54	Rearrangement of Moâ€Cuâ€S Cluster Reflects the Structural Âlnstability of Orange Protein Cofactor. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1361-1364.	0.6	7

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55	Biochemical characterization of the purple form of Marinobacter hydrocarbonoclasticus nitrous oxide reductase. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1204-1212.	1.8	25
56	Analysis of resonance Raman data on the blue copper site in pseudoazurin: Excited state Ï€ and Ïƒ charge transfer distortions and their relation to ground state reorganization energy. Journal of Inorganic Biochemistry, 2012, 115, 155-162.	1.5	12
57	Synthesis of [MoS₄]^{2â€“}â€“M (M = Cu and Cd) Clusters: Potential NMR Spectroscopic Structural Probes for the Orange Protein. European Journal of Inorganic Chemistry, 2012, 2012, 4159-4166.	1.0	8
58	Substrate-dependent modulation of the enzymatic catalytic activity: Reduction of nitrate, chlorate and perchlorate by respiratory nitrate reductase from Marinobacter hydrocarbonoclasticus 617. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1072-1082.	0.5	33
59	Comparative electrochemical study of superoxide reductases. European Biophysics Journal, 2012, 41, 209-215.	1.2	4
60	Effects of Molybdate and Tungstate on Expression Levels and Biochemical Characteristics of Formate Dehydrogenases Produced by Desulfovibrio alaskensis NCIMB 13491. Journal of Bacteriology, 2011, 193, 2917-2923.	1.0	38
61	Low-Spin Heme b₃ in the Catalytic Center of Nitric Oxide Reductase from Pseudomonas nautica. Biochemistry, 2011, 50, 4251-4262.	1.2	34
62	The Crystal Structure of Cupriavidus necator Nitrate Reductase in Oxidized and Partially Reduced States. Journal of Molecular Biology, 2011, 408, 932-948.	2.0	78
63	New spectroscopic and electrochemical insights on a class I superoxide reductase: evidence for an intramolecular electron-transfer pathway. Biochemical Journal, 2011, 438, 485-494.	1.7	15
64	Structural redox control in a 7Fe ferredoxin isolated from Desulfovibrio alaskensis. Bioelectrochemistry, 2011, 82, 22-28.	2.4	2
65	The Anaerobe-Specific Orange Protein Complex of Desulfovibrio vulgaris Hildenborough Is Encoded by Two Divergent Operons Coregulated by Ïƒ ⁵⁴ and a Cognate Transcriptional Regulator. Journal of Bacteriology, 2011, 193, 3207-3219.	1.0	22
66	Crystal structure of the zinc-, cobalt-, and iron-containing adenylate kinase from Desulfovibrio gigas: a novel metal-containing adenylate kinase from Gram-negative bacteria. Journal of Biological Inorganic Chemistry, 2011, 16, 51-61.	1.1	8
67	Artefacts induced on c-type haem proteins by electrode surfaces. Journal of Biological Inorganic Chemistry, 2011, 16, 209-215.	1.1	10
68	The tetranuclear copper active site of nitrous oxide reductase: the CuZ center. Journal of Biological Inorganic Chemistry, 2011, 16, 183-194.	1.1	34
69	Analysis of the activation mechanism of Pseudomonas stutzeri cytochrome c peroxidase through an electron transfer chain. Journal of Biological Inorganic Chemistry, 2011, 16, 881-888.	1.1	5
70	The electron transfer complex between nitrous oxide reductase and its electron donors. Journal of Biological Inorganic Chemistry, 2011, 16, 1241-1254.	1.1	26
71	The mechanism of formate oxidation by metal-dependent formate dehydrogenases. Journal of Biological Inorganic Chemistry, 2011, 16, 1255-1268.	1.1	75
72	An NMR structural study of nickel-substituted rubredoxin. Journal of Biological Inorganic Chemistry, 2010, 15, 409-420.	1.1	17

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73	A new CuZ active form in the catalytic reduction of N2O by nitrous oxide reductase from Pseudomonas nautica. Journal of Biological Inorganic Chemistry, 2010, 15, 967-976.	1.1	26
74	Relations between mercury, methyl-mercury and selenium in tissues of Octopus vulgaris from the Portuguese Coast. Environmental Pollution, 2010, 158, 2094-2100.	3.7	36
75	Association of Zn, Cu, Cd and Pb with protein fractions and sub-cellular partitioning in the digestive gland of Octopus vulgaris living in habitats with different metal levels. Chemosphere, 2010, 81, 1314-1319.	4.2	13
76	Metallothioneins and trace elements in digestive gland, gills, kidney and gonads of Octopus vulgaris. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 139-146.	1.3	13
77	Rubredoxin mutant A51C unfolding dynamics: A FÃ¶rster Resonance Energy Transfer study. Biophysical Chemistry, 2010, 148, 131-137.	1.5	6
78	The 1.4â€…Ã… resolution structure ofParacoccus pantotrophuspseudoazurin. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 627-635.	0.7	15
79	Measuring the Cytochrome<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>c</mml:mi></mml:math>Nitrite Reductase Activityâ€”Practical Considerations on the Enzyme Assays. Bioinorganic Chemistry and Applications, 2010, 2010, 1-8.	1.8	15
80	DNA damage and metal accumulation in four tissues of feral Octopus vulgaris from two coastal areas in Portugal. Ecotoxicology and Environmental Safety, 2010, 73, 1543-1547.	2.9	19
81	The effect of the sixth sulfur ligand in the catalytic mechanism of periplasmic nitrate reductase. Journal of Computational Chemistry, 2009, 30, 2466-2484.	1.5	48
82	Can ultrasonic energy efficiently speed ¹⁸Oâ€labeling of proteins?. Proteomics, 2009, 9, 4974-4977.	1.3	7
83	Camelid nanobodies raised against an integral membrane enzyme, nitric oxide reductase. Protein Science, 2009, 18, 619-628.	3.1	28
84	Crystallization and crystallographic analysis of the apo form of the orange protein (ORP) fromDesulfovibrio gigas. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 730-732.	0.7	9
85	Cobalt-, zinc- and iron-bound forms of adenylate kinase (AK) from the sulfate-reducing bacteriumDesulfovibrio gigas: purification, crystallization and preliminary X-ray diffraction analysis. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 926-929.	0.7	4
86	Ecotoxicity tests in the environmental analysis of wastewater treatment plants: Case study in Portugal. Journal of Hazardous Materials, 2009, 163, 665-670.	6.5	60
87	Isolation and characterization of a new Cuâ€“Fe protein from Desulfovibrio aminophilus DSM12254. Journal of Inorganic Biochemistry, 2009, 103, 1314-1322.	1.5	3
88	Rubredoxin as a paramagnetic relaxation-inducing probe. Journal of Inorganic Biochemistry, 2009, 103, 1245-1253.	1.5	13
89	Molybdenum Induces the Expression of a Protein Containing a New Heterometallic Mo-Fe Cluster in Desulfovibrio alaskensis. Biochemistry, 2009, 48, 873-882.	1.2	25
90	Zinc-substituted Desulfovibrio gigas desulforedoxins: Resolving subunit degeneracy with nonsymmetric pseudocontact shifts. Protein Science, 2009, 11, 2464-2470.	3.1	10

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91	Kinetic, Structural, and EPR Studies Reveal That Aldehyde Oxidoreductase from Desulfovibrio gigas Does Not Need a Sulfido Ligand for Catalysis and Give Evidence for a Direct Moâ''C Interaction in a Biological System. Journal of the American Chemical Society, 2009, 131, 7990-7998.	6.6	33
92	A variable temperature spectroscopic study on Paracoccus pantotrophus pseudoazurin: Protein constraints on the blue Cu site. Journal of Inorganic Biochemistry, 2009, 103, 1307-1313.	1.5	17
93	Total lead and its stable isotopes in the digestive gland of Octopus vulgaris as a fingerprint. Aquatic Biology, 2009, 6, 25-30.	0.5	8
94	Direct electrochemical study of the multiple redox centers of hydrogenase from Desulfovibrio gigas. Bioelectrochemistry, 2008, 74, 83-89.	2.4	15
95	Periplasmic nitrate reductase revisited: a sulfur atom completes the sixth coordination of the catalytic molybdenum. Journal of Biological Inorganic Chemistry, 2008, 13, 737-753.	1.1	94
96	Benefits of membrane electrodes in the electrochemistry of metalloproteins: mediated catalysis of Paracoccus pantotrophus cytochrome c peroxidase by horse cytochrome c: a case study. Journal of Biological Inorganic Chemistry, 2008, 13, 779-787.	1.1	4
97	Enzymatic activity mastered by altering metal coordination spheres. Journal of Biological Inorganic Chemistry, 2008, 13, 1185-1195.	1.1	22
98	Biochemical and spectroscopic characterization of the membrane-bound nitrate reductase from Marinobacter hydrocarbonoclasticus 617. Journal of Biological Inorganic Chemistry, 2008, 13, 1321-1333.	1.1	22
99	Purification, crystallization and preliminary X-ray diffraction analysis of adenosine triphosphate sulfurylase (ATPS) from the sulfate-reducing bacteriumDesulfovibrio desulfuricansATCC 27774. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 593-595.	0.7	2
100	Ecotoxicological assessment of industrial wastewaters in TrancÃ£o River Basin (Portugal). Environmental Toxicology, 2008, 23, 466-472.	2.1	19
101	A new type of metal-binding site in cobalt- and zinc-containing adenylate kinases isolated from sulfate-reducers Desulfovibrio gigas and Desulfovibrio desulfuricans ATCC 27774. Journal of Inorganic Biochemistry, 2008, 102, 1380-1395.	1.5	16
102	Sub-cellular partitioning of Zn, Cu, Cd and Pb in the digestive gland of native Octopus vulgaris exposed to different metal concentrations (Portugal). Science of the Total Environment, 2008, 390, 410-416.	3.9	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. Journal of Proteome Research, 2008, 7, 2097-2106.	1.8	20
104	An improved clean sonoreactor-based method for protein identification by mass spectrometry-based techniques. Talanta, 2008, 77, 870-875.	2.9	25
105	Modelling metallothionein induction in the liver of Sparus aurata exposed to metal-contaminated sediments. Ecotoxicology and Environmental Safety, 2008, 71, 117-124.	2.9	29
106	Calcium-Dependent Heme Structure in the Reduced Forms of the Bacterial Cytochrome c Peroxidase from Paracoccus pantotrophus. Biochemistry, 2008, 47, 5841-5850.	1.2	9
107	Electron Transfer Complex between Nitrous Oxide Reductase and Cytochrome c₅₅₂ from Pseudomonas nautica: Kinetic, Nuclear Magnetic Resonance, and Docking Studies. Biochemistry, 2008, 47, 10852-10862.	1.2	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. Journal of Proteome Research, 2007, 6, 909-912.	1.8	41
110	Chromatographic-based methods for pesticide determination in honey: An overview. Talanta, 2007, 71, 503-514.	2.9	112
111	Gas chromatography mass spectrometry determination of acaricides from honey after a new fast ultrasonic-based solid phase micro-extraction sample treatment. Talanta, 2007, 71, 1906-1914.	2.9	49
112	Crystal Structure of the 16 Heme Cytochrome from Desulfovibrio gigas: A Glycosylated Protein in a Sulphate-reducing Bacterium. Journal of Molecular Biology, 2007, 370, 659-673.	2.0	23
113	A needle in a haystack: The active site of the membrane-bound complex cytochromecnitrite reductase. FEBS Letters, 2007, 581, 284-288.	1.3	60
114	Spectroscopic, Computational, and Kinetic Studies of the Î¼4-Sulfide-Bridged Tetranuclear CuZCluster in N2O Reductase:Â pH Effect on the Edge Ligand and Its Contribution to Reactivity. Journal of the American Chemical Society, 2007, 129, 3955-3965.	6.6	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. Journal of Proteome Research, 2007, 6, 3393-3399.	1.8	27
116	Superoxide Reductases. European Journal of Inorganic Chemistry, 2007, 2007, 2569-2581.	1.0	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. Journal of Chromatography A, 2007, 1153, 291-299.	1.8	32
118	Ultrasonic assisted protein enzymatic digestion for fast protein identification by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of Chromatography A, 2007, 1166, 101-107.	1.8	55
119	EPR characterization of the molybdenum(V) forms of formate dehydrogenase from Desulfovibrio desulfuricans ATCC 27774 upon formate reduction. Journal of Inorganic Biochemistry, 2007, 101, 1617-1622.	1.5	42
120	Heterodimeric nitrate reductase (NapAB) fromCupriavidus necatorH16: purification, crystallization and preliminary X-ray analysis. Acta Crystallographica Section F: Structural Biology Communications, 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. Rapid Communications in Mass Spectrometry, 2007, 21, 3269-3278.	0.7	17
122	Mediated catalysis of Paracoccus pantotrophus cytochrome c peroxidase by P. pantotrophus pseudoazurin: kinetics of intermolecular electron transfer. Journal of Biological Inorganic Chemistry, 2007, 12, 691-698.	1.1	20
123	NMR assignment of the apo-form of a Desulfovibrio gigas protein containing a novel Moâ€“Cu cluster. Biomolecular NMR Assignments, 2007, 1, 81-83.	0.4	16
124	Structural and Electron Paramagnetic Resonance (EPR) Studies of Mononuclear Molybdenum Enzymes from Sulfate-Reducing Bacteria. Accounts of Chemical Research, 2006, 39, 788-796.	7.6	47
125	Molybdenum and tungsten enzymes: the xanthine oxidase family. Current Opinion in Chemical Biology, 2006, 10, 109-114.	2.8	99
126	Biochemical and spectroscopic characterization of an aldehyde oxidoreductase isolated from Desulfovibrio aminophilus. Journal of Inorganic Biochemistry, 2006, 100, 44-50.	1.5	13

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127	Bacterial nitrate reductases: Molecular and biological aspects of nitrate reduction. Journal of Inorganic Biochemistry, 2006, 100, 1015-1023.	1.5	234
128	Metalloenzymes of the denitrification pathway. Journal of Inorganic Biochemistry, 2006, 100, 2087-2100.	1.5	193
129	Sample treatment for protein identification by mass spectrometry-based techniques. TrAC - Trends in Analytical Chemistry, 2006, 25, 996-1005.	5.8	57
130	Desulfovibrio gigas ferredoxin II: redox structural modulation of the [3Feâ€“4S] cluster. Journal of Biological Inorganic Chemistry, 2006, 11, 307-315.	1.1	2
131	Kinetics studies of the superoxide-mediated electron transfer reactions between rubredoxin-type proteins and superoxide reductases. Journal of Biological Inorganic Chemistry, 2006, 11, 433-444.	1.1	19
132	The first crystal structure of class III superoxide reductase from Treponema pallidum. Journal of Biological Inorganic Chemistry, 2006, 11, 548-558.	1.1	37
133	EPR and redox properties of periplasmic nitrate reductase from Desulfovibrio desulfuricans ATCC 27774. Journal of Biological Inorganic Chemistry, 2006, 11, 609-616.	1.1	39
134	Nitric Oxide Reductase: Direct Electrochemistry and Electrocatalytic Activity. ChemBioChem, 2006, 7, 1878-1881.	1.3	15
135	Modelling the Electron-Transfer Complex Between Aldehyde Oxidoreductase and Flavodoxin. European Journal of Inorganic Chemistry, 2006, 2006, 3835-3840.	1.0	13
136	Superoxide reductase from the syphilis spirocheteTreponema pallidum: crystallization and structure determination using soft X-rays. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 967-970.	0.7	5
137	Purification and Preliminary Characterization of Tetraheme Cytochrome c3 and Adenylylsulfate Reductase from the Peptidolytic Sulfate-Reducing Bacterium Desulfovibrio aminophilus DSM 12254. Bioinorganic Chemistry and Applications, 2005, 3, 81-91.	1.8	4
138	Isolation and spectroscopic characterization of the membrane-bound nitrate reductase from Pseudomonas chlororaphis DSM 50135. Biochimica Et Biophysica Acta - General Subjects, 2005, 1723, 151-162.	1.1	13
139	Direct electrochemistry of the Desulfovibrio gigas aldehyde oxidoreductase. FEBS Journal, 2004, 271, 1329-1338.	0.2	18
140	Copper-containing nitrite reductase from Pseudomonas chlororaphis DSM 50135. Evidence for modulation of the rate of intramolecular electron transfer through nitrite binding to the type 2 copper center. FEBS Journal, 2004, 271, 2361-2369.	0.2	38
141	Structural Basis for the Mechanism of Ca2+ Activation of the Di-Heme Cytochrome c Peroxidase from Pseudomonas nautica 617. Structure, 2004, 12, 961-973.	1.6	53
142	Incorporation of either molybdenum or tungsten into formate dehydrogenase from Desulfovibrio alaskensis NCIMB 13491; EPR assignment of the proximal iron-sulfur cluster to the pterin cofactor in formate dehydrogenases from sulfate-reducing bacteria. Journal of Biological Inorganic Chemistry, 2004, 9, 145-151.	1.1	49
143	Overexpression and purification of Treponema pallidum rubredoxin; kinetic evidence for a superoxide-mediated electron transfer with the superoxide reductase neelaredoxin. Journal of Biological Inorganic Chemistry, 2004, 9, 839-849.	1.1	25
144	Crystallization and preliminary X-ray diffraction analysis of the 16-haem cytochrome ofDesulfovibrio gigas. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 968-970.	2.5	3

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145	Two azurins with unusual redox and spectroscopic properties isolated from the Pseudomonas chlororaphis strains DSM 50083T and DSM 50135. Journal of Inorganic Biochemistry, 2004, 98, 276-286.	1.5	10
146	Antagonists Mo and Cu in a heterometallic cluster present on a novel protein (orange protein) isolated from Desulfovibrio gigas. Journal of Inorganic Biochemistry, 2004, 98, 833-840.	1.5	33
147	Structural stability of adenylate kinase from the sulfate-reducing bacteria Desulfovibrio gigas. Biophysical Chemistry, 2004, 110, 83-92.	1.5	7
148	Quantification of metallothionein in whole bodygammarus locusta(crustacea: amphipoda) using differential pulse polarography. Toxicological and Environmental Chemistry, 2004, 86, 23-36.	0.6	13
149	A Copper Protein and a Cytochrome Bind at the Same Site on Bacterial Cytochrome c Peroxidase. Biochemistry, 2004, 43, 14566-14576.	1.2	26
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