

InÃ©s GarcÃ-a-Rubio

List of Publications by Year in descending order

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43
papers

989
citations

430874

18
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454955

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43
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43
docs citations

43
times ranked

1495
citing authors

#	ARTICLE	IF	CITATIONS
1	CYP153A6, a Soluble P450 Oxygenase Catalyzing Terminal-Alkane Hydroxylation. <i>Journal of Bacteriology</i> , 2006, 188, 5220-5227.	2.2	118
2	Haptoglobin Preserves Vascular Nitric Oxide Signaling during Hemolysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1111-1122.	5.6	73
3	Probing the role of the proximal heme ligand in cytochrome P450cam by recombinant incorporation of selenocysteine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5481-5486.	7.1	68
4	Ru(II)-carbohydrate dendrimers as photoinduced electron transfer lectin biosensors. <i>Chemical Communications</i> , 2009, , 235-237.	4.1	55
5	Development of Cellular Magnetic Dipoles in Magnetotactic Bacteria. <i>Biophysical Journal</i> , 2010, 99, 1268-1273.	0.5	54
6	Pulse EPR Methods for Studying Chemical and Biological Samples Containing Transition Metals. <i>Helvetica Chimica Acta</i> , 2006, 89, 2495-2521.	1.6	44
7	The detection of magnetotactic bacteria and magnetofossils by means of magnetic anisotropy. <i>Earth and Planetary Science Letters</i> , 2011, 309, 113-117.	4.4	42
8	Cryogenic 35GHz pulse ENDOR probehead accommodating large sample sizes: Performance and applications. <i>Journal of Magnetic Resonance</i> , 2009, 200, 81-87.	2.1	41
9	Metal Dependence of Oxalate Decarboxylase Activity. <i>Biochemistry</i> , 2009, 48, 6116-6125.	2.5	41
10	Combination of X-ray crystallography, SAXS and DEER to obtain the structure of the FnIII-3,4 domains of integrin $\alpha 6 \beta 2$. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 969-985.	2.5	38
11	Axial Coordination of Heme in Ferric CcmE Chaperone Characterized by EPR Spectroscopy. <i>Biophysical Journal</i> , 2007, 92, 1361-1373.	0.5	36
12	Multifrequency EPR Studies on the Mn(II) Centers of Oxalate Decarboxylase. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5043-5046.	2.6	34
13	Exploiting genetic diversity and gene synthesis to identify superior nitrogenase NifH protein variants to engineer N ₂ -fixation in plants. <i>Communications Biology</i> , 2021, 4, 4.	4.4	33
14	Anisotropy of Bullet-Shaped Magnetite Nanoparticles in the Magnetotactic Bacteria <i>Desulfovibrio magneticus</i> sp. Strain RS-1. <i>Biophysical Journal</i> , 2015, 108, 1268-1274.	0.5	24
15	The study of the ground state Kramers doublet of low-spin hemic system revisited: A comprehensive description of the EPR and Mössbauer spectra. <i>Coordination Chemistry Reviews</i> , 2007, 251, 12-24.	18.8	23
16	A heme tag for in vivo synthesis of artificial cytochromes. <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 234-239.	3.6	22
17	Magnetic anisotropy and Verwey transition of magnetosome chains in <i>Magnetospirillum gryphiswaldense</i> . <i>Geophysical Journal International</i> , 2011, 187, 1215-1221.	2.4	19
18	Spin trapping combined with quantitative mass spectrometry defines free radical redistribution within the oxidized hemoglobin:haptoglobin complex. <i>Free Radical Biology and Medicine</i> , 2015, 85, 259-268.	2.9	18

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19	Cryogenic Q-band (35GHz) probehead featuring large excitation microwave fields for pulse and continuous wave electron paramagnetic resonance spectroscopy: Performance and applications. <i>Journal of Magnetic Resonance</i> , 2008, 190, 280-291.	2.1	16
20	Reactions of Late Firstâ€Row Transition Metal (Feâ€Zn) Dichlorides with a PGeP Pincer Germylene. <i>Chemistry - A European Journal</i> , 2021, 27, 4985-4992.	3.3	16
21	A Multifrequency HYSORE Study of Weakly Coupled Nuclei in Frozen Solutions of High-Spin Aquometmyoglobin. <i>Inorganic Chemistry</i> , 2008, 47, 11294-11304.	4.0	15
22	EPR of site-directed spin-labeled proteins: A powerful tool to study structural flexibility. <i>Archives of Biochemistry and Biophysics</i> , 2020, 684, 108323.	3.0	15
23	Rock magnetic techniques complemented by ferromagnetic resonance spectroscopy to analyse a sediment record. <i>Geophysical Journal International</i> , 2012, 191, 51-63.	2.4	12
24	S-band ferromagnetic resonance spectroscopy and the detection of magnetofossils. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120790.	3.4	12
25	EPR and HYSORE investigation of the electronic structure of the model complex Mn(imidazole) ₆ : Exploring Mn(II)â€imidazole binding using single crystals. <i>Journal of Magnetic Resonance</i> , 2007, 184, 130-142.	2.1	11
26	Oxidized magnetosomes in magnetotactic bacteria. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1281-1284.	2.3	11
27	Purification and Structural Analysis of Plectin and BPAG1e. <i>Methods in Enzymology</i> , 2016, 569, 177-196.	1.0	11
28	Integrin Î±6Î²4 Recognition of a Linear Motif of Bullous Pemphigoid Antigen BP230 Controls Its Recruitment to Hemidesmosomes. <i>Structure</i> , 2019, 27, 952-964.e6.	3.3	11
29	Structural Characterization of Polymer-Clay Nanocomposites Prepared by Co-Precipitation Using EPR Techniques. <i>Materials</i> , 2014, 7, 1384-1408.	2.9	10
30	A Lowâ€Valent Iron Imido Heterocubane Cluster: Reversible Electron Transfer and Catalysis of Selective Câ€C Couplings. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13012-13017.	13.8	10
31	Synthesis, characterisation and magnetic properties of octahedral chromium(<i>iii</i>) compounds with six C-donor ligands. <i>Dalton Transactions</i> , 2011, 40, 853-861.	3.3	8
32	Structure and spin density of ferric low-spin heme complexes determined with high-resolution ESEEM experiments at 35ÅGHz. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 929-941.	2.6	7
33	Methyl rotors in flavoproteins. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26203-26212.	2.8	7
34	Early folding events during light harvesting complex II assembly in vitro monitored by pulsed electron paramagnetic resonance. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 695-704.	1.0	6
35	The photosynthetic cytochrome c 550 from the diatom <i>Phaeodactylum tricornutum</i> . <i>Photosynthesis Research</i> , 2017, 133, 273-287.	2.9	6
36	EPR characterization of the heme domain of a self-sufficient cytochrome P450 (CYP116B5). <i>Journal of Inorganic Biochemistry</i> , 2022, 231, 111785.	3.5	5

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37	EPR of Compound I: An Illustrated Revision of the Theoretical Model. <i>Applied Magnetic Resonance</i> , 2020, 51, 1559-1589.	1.2	4
38	Spin Densities in Flavin Analogs within a Flavoprotein. <i>Biophysical Journal</i> , 2016, 110, 561-571.	0.5	3
39	Pitfalls in Sample Preparation of Metalloproteins for Low-Temperature EPR: The Example of Alkaline Myoglobin. <i>Applied Magnetic Resonance</i> , 2022, 53, 1105-1119.	1.2	3
40	Impact of the dynamics of the catalytic arginine on nitrite and chlorite binding by dimeric chlorite dismutase. <i>Journal of Inorganic Biochemistry</i> , 2022, 227, 111689.	3.5	3
41	CYP116B5hd, a self-sufficient P450 cytochrome: A dataset of its electronic and geometrical properties. <i>Data in Brief</i> , 2022, 42, 108195.	1.0	2
42	Enhanced Dihydrogen Activation by Mononuclear Iridium(II) Compounds: A Mechanistic Study. <i>Angewandte Chemie - International Edition</i> , 0, , .	13.8	2
43	Enhanced Dihydrogen Activation by Mononuclear Iridium(II) Compounds: A Mechanistic Study. <i>Angewandte Chemie</i> , 0, , .	2.0	0