

Maria Fittipaldi

List of Publications by Citations

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47
papers

1,106
citations

21
h-index

32
g-index

50
ext. papers

1,216
ext. citations

5.8
avg. IF

3.89
L-index

#	Paper	IF	Citations
47	A smart platform for hyperthermia application in cancer treatment: cobalt-doped ferrite nanoparticles mineralized in human ferritin cages. <i>ACS Nano</i> , 2014 , 8, 4705-19	16.7	154
46	Ibuprofen induces an allosteric conformational transition in the heme complex of human serum albumin with significant effects on heme ligation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11677-88	16.4	92
45	Exploring the no-man's land between molecular nanomagnets and magnetic nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4792-800	16.4	62
44	Molecular nanomagnets and magnetic nanoparticles: the EMR contribution to a common approach. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 6555-68	3.6	51
43	Fe-Doping-Induced Magnetism in Nano-Hydroxyapatites. <i>Inorganic Chemistry</i> , 2017 , 56, 4447-4459	5.1	45
42	The power of EPR techniques in revealing active sites in heterogeneous photocatalysis: The case of anion doped TiO ₂ . <i>Catalysis Today</i> , 2013 , 206, 2-11	5.3	42
41	Synergistic role of B and F dopants in promoting the photocatalytic activity of rutile TiO ₂ . <i>ChemPhysChem</i> , 2011 , 12, 2221-4	3.2	39
40	Electric field modulation of magnetic exchange in molecular helices. <i>Nature Materials</i> , 2019 , 18, 329-334	27	38
39	A multi-frequency pulse EPR and ENDOR approach to study strongly coupled nuclei in frozen solutions of high-spin ferric heme proteins. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3859-70	3.4	36
38	Synthesis of iron oxide nanoparticles in <i>Listeria innocua</i> Dps (DNA-binding protein from starved cells): a study with the wild-type protein and a catalytic centre mutant. <i>Chemistry - A European Journal</i> , 2010 , 16, 709-17	4.8	35
37	Reconstitution of the type-1 active site of the H145G/A variants of nitrite reductase by ligand insertion. <i>Biochemistry</i> , 2003 , 42, 4075-83	3.2	34
36	Structural characterization of a high affinity mononuclear site in the copper(II)-Synuclein complex. <i>Journal of the American Chemical Society</i> , 2010 , 132, 18057-66	16.4	33
35	A high-frequency (95GHz) electron paramagnetic resonance study of B-doped TiO ₂ photocatalysts. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3980-3987	2.7	30
34	Mössbauer spectroscopy of a monolayer of single molecule magnets. <i>Nature Communications</i> , 2018 , 9, 480	17.4	25
33	A Multifrequency EPR Study on Organic-Capped Anatase TiO ₂ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6221-6226	3.8	25
32	Looking for quantum effects in magnetic nanoparticles using the molecular nanomagnet approach. <i>Physical Review B</i> , 2011 , 83,	3.3	25
31	<i>Kineococcus radiotolerans</i> Dps forms a heteronuclear Mn-Fe ferroxidase center that may explain the Mn-dependent protection against oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3745-55	4	23

30	Kinetic stability of the peroxidase activity of unfolded cytochrome c: heme degradation and catalyst inactivation by hydrogen peroxide. <i>Inorganic Chemistry</i> , 2003 , 42, 7249-57	5.1	23
29	Whispering gallery mode dielectric resonators in EMR spectroscopy above 150 GHz: Problems and perspectives. <i>Applied Magnetic Resonance</i> , 2000 , 19, 495-506	0.8	22
28	Unravelling the Non-Native Low-Spin State of the Cytochrome c-Cardiolipin Complex: Evidence of the Formation of a His-Ligated Species Only. <i>Biochemistry</i> , 2017 , 56, 1887-1898	3.2	21
27	Photocatalytic Hydrogen Production by Boron Modified TiO ₂ /Carbon Nitride Heterojunctions. <i>ChemCatChem</i> , 2019 , 11, 6408-6416	5.2	21
26	Electron paramagnetic resonance and density-functional theory studies of Cu(II)-bis(oxamato) complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 6633-44	5.1	21
25	The peculiar heme pocket of the 2/2 hemoglobin of cold-adapted <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Journal of Biological Inorganic Chemistry</i> , 2011 , 16, 299-311	3.7	20
24	Single crystal EPR study at 95 GHz of a large Fe based molecular nanomagnet: toward the structuring of magnetic nanoparticle properties. <i>Dalton Transactions</i> , 2011 , 40, 8145-55	4.3	18
23	Electronic and magnetic structure of a triacetylphlorogucinol-bridged C ₃ -symmetric trinuclear copper complex: Magnetic characterization, ESR spectroscopy, and DFT calculations. <i>Inorganica Chimica Acta</i> , 2010 , 363, 4269-4276	2.7	18
22	Study of manganese binding to the ferroxidase centre of human H-type ferritin. <i>Journal of Inorganic Biochemistry</i> , 2018 , 182, 103-112	4.2	15
21	The substrate-bound type 2 copper site of nitrite reductase: the nitrogen hyperfine coupling of nitrite revealed by pulsed EPR. <i>Biochemistry</i> , 2005 , 44, 15193-202	3.2	15
20	High-field, multifrequency EPR spectroscopy using whispering gallery dielectric resonators. <i>Journal of Magnetic Resonance</i> , 2000 , 143, 88-94	3	14
19	Interplay of the H-bond donor-acceptor role of the distal residues in hydroxyl ligand stabilization of <i>Thermobifida fusca</i> truncated hemoglobin. <i>Biochemistry</i> , 2014 , 53, 8021-30	3.2	12
18	Spin-density distribution in the copper site of azurin. <i>ChemPhysChem</i> , 2006 , 7, 1286-93	3.2	11
17	Erforschung des Niemandslandes zwischen molekularen Magneten und magnetischen Nanopartikeln. <i>Angewandte Chemie</i> , 2012 , 124, 4876-4885	3.6	10
16	N ₂ Radical Anions Trapped in Bulk Polycrystalline MgO. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 5187-5192	3.89	9
15	A multifrequency HYSCORE study of weakly coupled nuclei in frozen solutions of high-spin aquometmyoglobin. <i>Inorganic Chemistry</i> , 2008 , 47, 11294-304	5.1	9
14	Single-crystal EPR study at 95 GHz of the type 2 copper site of the inhibitor-bound quercetin 2,3-dioxygenase. <i>Biophysical Journal</i> , 2003 , 85, 4047-54	2.9	8
13	High frequency single-mode resonators for EPR spectroscopy enabling rotations of the sample about two orthogonal axes. <i>Journal of Magnetic Resonance</i> , 2005 , 176, 37-46	3	7

12	Structural and magnetic characterization of the double perovskite Pb ₂ FeMoO ₆ . <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1533-1542	7.1	6
11	Spin-Electric Coupling in a Cobalt(II)-Based Spin Triangle Revealed by Electric-Field-Modulated Electron Spin Resonance Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8832-8838	16.4	6
10	An EPR Study of Small Magnetic Nanoparticles. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017 , 231, 745-757	3.1	5
9	Synthesis and characterization of a family of Fe(II) tetrazole complexes [Fe(C ₆ mtz) ₆] ₂ X ₂ (X = BF ₄ ⁻ , ClO ₄ ⁻ , PF ₆ ⁻) <i>Journal of Coordination Chemistry</i> , 2015 , 68, 3457-3471	1.6	5
8	Sensing the quantum behaviour of magnetic nanoparticles by electron magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3591-7	3.6	5
7	The quantum mechanically mixed-spin state in a non-symbiotic plant hemoglobin: the effect of distal mutation on AHB1 from <i>Arabidopsis thaliana</i> . <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 1812-9	4.2	5
6	Space Charge-Limited Current Transport Mechanism in Crossbar Junction Embedding Molecular Spin Crossovers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31696-31705	9.5	4
5	High-frequency EPR applications of open nonradiative resonators. <i>Journal of Magnetic Resonance</i> , 2009 , 200, 29-37	3	3
4	Synchrotron-based Mössbauer spectroscopy characterization of sublimated spin crossover molecules. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 6626-6637	3.6	2
3	Complex response function of magnetic resonance spectrometers. <i>Journal of Magnetic Resonance</i> , 2002 , 157, 74-81	3	2
2	Spin-elektrische Kopplung in einem Cobalt(II)-basierten Spindreieck, gezeigt mithilfe elektrisches-Feld-modulierter Elektronenspinresonanzspektroskopie. <i>Angewandte Chemie</i> , 2021 , 133, 8914-8920	3.6	0
1	Spectroscopic Techniques and DFT Calculations to Highlight the Effect of Fe ³⁺ on the Properties of FeNb ₁₁ O ₂₉ , Anode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 4698-4709	3.8	0