Maria Fittipaldi

List of Publications by Year
in descending order

49 papers	1,309 citations	331259 21 h-index	360668 35 g-index
50 all docs	50 docs citations	50 times ranked	2523 citing authors

#	Article	IF	Citations
1	A Smart Platform for Hyperthermia Application in Cancer Treatment: Cobalt-Doped Ferrite Nanoparticles Mineralized in Human Ferritin Cages. ACS Nano, 2014, 8, 4705-4719.	7.3	180
2	Ibuprofen Induces an Allosteric Conformational Transition in the Heme Complex of Human Serum Albumin with Significant Effects on Heme Ligation. Journal of the American Chemical Society, 2008, 130, 11677-11688.	6.6	98
3	Exploring the Noâ€Manâ€™s Land between Molecular Nanomagnets and Magnetic Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 4792-4800.	7.2	65
4	Fe-Doping-Induced Magnetism in Nano-Hydroxyapatites. Inorganic Chemistry, 2017, 56, 4446-4458.	1.9	60
5	Electric field modulation of magnetic exchange in molecular helices. Nature Materials, 2019, 18, 329-334.	13.3	60
6	Molecular nanomagnets and magnetic nanoparticles: the EMR contribution to a common approach. Physical Chemistry Chemical Physics, 2009, 11, 6555.	1.3	55
7	The power of EPR techniques in revealing active sites in heterogeneous photocatalysis: The case of anion doped TiO2. Catalysis Today, 2013, 206, 2-11.	2.2	48
8	A Multi-Frequency Pulse EPR and ENDOR Approach to Study Strongly Coupled Nuclei in Frozen Solutions of High-Spin Ferric Heme Proteins. Journal of Physical Chemistry B, 2008, 112, 3859-3870.	1.2	43
9	Synergistic Role of B and F Dopants in Promoting the Photocatalytic Activity of Rutile TiO₂. ChemPhysChem, 2011, 12, 2221-2224.	1.0	42
10	Reconstitution of the Type-1 Active Site of the H145G/A Variants of Nitrite Reductase by Ligand Insertionâ€. Biochemistry, 2003, 42, 4075-4083.	1.2	37
11	MÃ¶ssbauer spectroscopy of a monolayer of single molecule magnets. Nature Communications, 2018, 9, 480.	5.8	37
12	Synthesis of Iron Oxide Nanoparticles in Listeria innocua Dps (DNAâ€Binding Protein from) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 European Journal, 2010, 16, 709-717.	1.7	36
13	Structural Characterization of a High Affinity Mononuclear Site in the Copper(II)-Î±-Synuclein Complex. Journal of the American Chemical Society, 2010, 132, 18057-18066.	6.6	36
14	Photocatalytic Hydrogen Production by Boron Modified TiO₂/Carbon Nitride Heterojunctions. ChemCatChem, 2019, 11, 6408-6416.	1.8	35
15	A high-frequency (95GHz) electron paramagnetic resonance study of B-doped TiO2 photocatalysts. Inorganica Chimica Acta, 2008, 361, 3980-3987.	1.2	32
16	Unravelling the Non-Native Low-Spin State of the Cytochrome câ€“Cardiolipin Complex: Evidence of the Formation of a His-Ligated Species Only. Biochemistry, 2017, 56, 1887-1898.	1.2	29
17	Looking for quantum effects in magnetic nanoparticles using the molecular nanomagnet approach. Physical Review B, 2011, 83, .	1.1	28
18	Kinetic Stability of the Peroxidase Activity of Unfolded Cytochromec:Â Heme Degradation and Catalyst Inactivation by Hydrogen Peroxide. Inorganic Chemistry, 2003, 42, 7249-7257.	1.9	26

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19	A Multifrequency EPR Study on Organic-Capped Anatase TiO₂ Nanocrystals. Journal of Physical Chemistry C, 2009, 113, 6221-6226.	1.5	25
20	Kineococcus radiotolerans Dps forms a heteronuclear Mnâ€“Fe ferroxidase center that may explain the Mn-dependent protection against oxidative stress. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3745-3755.	1.1	25
21	Whispering gallery mode dielectric resonators in EMR spectroscopy above 150 GHz: Problems and perspectives. Applied Magnetic Resonance, 2000, 19, 495-506.	0.6	23
22	Electron Paramagnetic Resonance and Density-Functional Theory Studies of Cu(II)-bis(oxamato) Complexes. Inorganic Chemistry, 2008, 47, 6633-6644.	1.9	21
23	The peculiar heme pocket of the 2/2 hemoglobin of cold-adapted Pseudoalteromonas haloplanktis TAC125. Journal of Biological Inorganic Chemistry, 2011, 16, 299-311.	1.1	21
24	Electronic and magnetic structure of a triacetylphlorogucinol-bridged -symmetric trinuclear copper complex: Magnetic characterization, ESR spectroscopy, and DFT calculations. Inorganica Chimica Acta, 2010, 363, 4269-4276.	1.2	19
25	Single crystal EPR study at 95 GHz of a large Fe based molecular nanomagnet: toward the structuring of magnetic nanoparticle properties. Dalton Transactions, 2011, 40, 8145.	1.6	19
26	High-Field, Multifrequency EPR Spectroscopy Using Whispering Gallery Dielectric Resonators. Journal of Magnetic Resonance, 2000, 143, 88-94.	1.2	17
27	Spinâ€“Electric Coupling in a Cobalt(II)â€Based Spin Triangle Revealed by Electricâ€Fieldâ€Modulated Electron Spin Resonance Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 8832-8838.	7.2	16
28	The Substrate-Bound Type 2 Copper Site of Nitrite Reductase:Â The Nitrogen Hyperfine Coupling of Nitrite Revealed by Pulsed EPRâ€. Biochemistry, 2005, 44, 15193-15202.	1.2	15
29	A Multifrequency HYSCORE Study of Weakly Coupled Nuclei in Frozen Solutions of High-Spin Aquometmyoglobin. Inorganic Chemistry, 2008, 47, 11294-11304.	1.9	15
30	Interplay of the H-Bond Donorâ€“Acceptor Role of the Distal Residues in Hydroxyl Ligand Stabilization of Thermobifida fusca Truncated Hemoglobin. Biochemistry, 2014, 53, 8021-8030.	1.2	15
31	Study of manganese binding to the ferroxidase centre of human H-type ferritin. Journal of Inorganic Biochemistry, 2018, 182, 103-112.	1.5	15
32	Space Charge-Limited Current Transport Mechanism in Crossbar Junction Embedding Molecular Spin Crossovers. ACS Applied Materials & Interfaces, 2020, 12, 31696-31705.	4.0	15
33	Spin-Density Distribution in the Copper Site of Azurin. ChemPhysChem, 2006, 7, 1286-1293.	1.0	13
34	Structural and magnetic characterization of the double perovskite Pb₂FeMoO₆. Journal of Materials Chemistry C, 2016, 4, 1533-1542.	2.7	11
35	N₂^{â^'} Radical Anions Trapped in Bulk Polycrystalline MgO. Journal of Physical Chemistry C, 2010, 114, 5187-5192.	1.5	10
36	Single-Crystal EPR Study at 95GHz of the Type 2 Copper Site of the Inhibitor-Bound Quercetin 2,3-Dioxygenase. Biophysical Journal, 2003, 85, 4047-4054.	0.2	8

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37	Sensing the quantum behaviour of magnetic nanoparticles by electron magnetic resonance. Physical Chemistry Chemical Physics, 2016, 18, 3591-3597.	1.3	8
38	High frequency single-mode resonators for EPR spectroscopy enabling rotations of the sample about two orthogonal axes. Journal of Magnetic Resonance, 2005, 176, 37-46.	1.2	7
39	Synthesis and characterization of a family of Fe(II) tetrazole complexes [Fe(C₆mtz)₆]X₂(X = BF₄Ë‰, ClO₄Ë‰,) Tj ETQq0.8 0.784314 rgBT /C		
40	The quantum mechanically mixed-spin state in a non-symbiotic plant hemoglobin: The effect of distal mutation on AHb1 from Arabidopsis thaliana. Journal of Inorganic Biochemistry, 2007, 101, 1812-1819.	1.5	6
41	An EPR Study of Small Magnetic Nanoparticles. Zeitschrift Fur Physikalische Chemie, 2017, 231, 745-757.	1.4	5
42	Synchrotron-based MÃ¶ssbauer spectroscopy characterization of sublimated spin crossover molecules. Physical Chemistry Chemical Physics, 2020, 22, 6626-6637.	1.3	5
43	High-frequency EPR applications of open nonradiative resonators. Journal of Magnetic Resonance, 2009, 200, 29-37.	1.2	4
44	Spectroscopic Techniques and DFT Calculations to Highlight the Effect of Fe³⁺ on the Properties of FeNb₁₁O₂₉, Anode Material for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2022, 126, 4698-4709.	1.5	3
45	Complex Response Function of Magnetic Resonance Spectrometers. Journal of Magnetic Resonance, 2002, 157, 74-81.	1.2	2
46	Spinâ€elektrische Kopplung in einem Cobalt(II)â€basierten Spindreieck, gezeigt mithilfe elektrischesâ€Feldâ€modulierter Elektronenspinresonanzspektroskopie. Angewandte Chemie, 2021, 133, 8914-8920.	1.6	1
47	Open single-mode cavities for millimeter and submillimeter wavelengths. , 2010, , .		0
48	Dielectric characterization by means of whispering gallery mode resonators. , 2010, , .		0
49	High Protein Structural Flexibility Of A Truncated Hemoglobin From An Antarctic Cold-Adapted Bacterium. , 2010, , .		0