

Tomas Orlando

List of Publications by Year in descending order

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21

papers

500

citations

759233

12

h-index

752698

20

g-index

21

all docs

21

docs citations

21

times ranked

1073

citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of plasmonic and magnetic properties in Au ₈₉ Fe ₁₁ nanoalloys. <i>Nanoscale</i> , 2013, 5, 5611.	5.6	92
2	Role of Zn ²⁺ Substitution on the Magnetic, Hyperthermic, and Relaxometric Properties of Cobalt Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6148-6157.	3.1	65
3	Hybrid iron oxide-copolymer micelles and vesicles as contrast agents for MRI: impact of the nanostructure on the relaxometric properties. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5317.	5.8	56
4	Magnetic Nanoparticles from <i>Magnetospirillum gryphiswaldense</i> Increase the Efficacy of Thermotherapy in a Model of Colon Carcinoma. <i>PLoS ONE</i> , 2014, 9, e108959.	2.5	49
5	Characterization of magnetic nanoparticles from <i>Magnetospirillum Gryphiswaldense</i> as potential theranostics tools. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 139-145.	0.8	34
6	Dynamic Nuclear Polarization of ¹³ C Nuclei in the Liquid State over a 10...Tesla Field Range. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1402-1406.	13.8	30
7	Nitroxide Derivatives for Dynamic Nuclear Polarization in Liquids: The Role of Rotational Diffusion. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1629-1635.	4.6	25
8	NMR relaxation induced by iron oxide particles: testing theoretical models. <i>Nanotechnology</i> , 2016, 27, 155706.	2.6	23
9	On the magnetic anisotropy and nuclear relaxivity effects of Co and Ni doping in iron oxide nanoparticles. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	19
10	Superparamagnetic iron oxide nanoparticles stabilized by a poly(amidoamine)-rhenium complex as potential theranostic probe. <i>Dalton Transactions</i> , 2014, 43, 1172-1183.	3.3	18
11	Tuning the architectural integrity of high-performance magneto-fluorescent core-shell nanoassemblies in cancer cells. <i>Journal of Colloid and Interface Science</i> , 2016, 479, 139-149.	9.4	17
12	Local spin dynamics of iron oxide magnetic nanoparticles dispersed in different solvents with variable size and shape: A ¹ H NMR study. <i>Journal of Chemical Physics</i> , 2017, 146, 034703.	3.0	14
13	Highly cohesive dual nanoassemblies for complementary multiscale bioimaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7747-7755.	5.8	13
14	Spin density localization and accessibility of organic radicals affect liquid-state DNP efficiency. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4480-4485.	2.8	12
15	Spin Dynamics in Hybrid Iron Oxide-Gold Nanostructures. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1224-1233.	3.1	9
16	Spin dynamics in the single-ion magnet Er^{3+} . <i>Physical Review B</i> , 2018, 97, .	3.2	6
17	Theoretical analysis of scalar relaxation in ¹³ C-DNP in liquids. <i>Journal of Magnetic Resonance Open</i> , 2022, 10-11, 100040.	1.1	6
18	NMR as Evaluation Strategy for Cellular Uptake of Nanoparticles. <i>Nano Letters</i> , 2014, 14, 3959-3965.	9.1	5

#	ARTICLE	IF	CITATIONS
19	Low-temperature anomalies in muon spin relaxation of solid and hollow Fe_2O_3 nanoparticles: A pathway to detect unusual local spin dynamics. <i>Physical Review B</i> , 2020, 102, .	3.2	4
20	Dynamic Nuclear Polarization of ^{13}C Nuclei in the Liquid State over a 10...Tesla Field Range. <i>Angewandte Chemie</i> , 2019, 131, 1416-1420.	2.0	3
21	Persistence of slow dynamics in $\text{Tb}(\text{OETAP})_2$ single molecule magnets embedded in conducting polymers. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 386002.	1.8	0