

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	Theoretical analysis of scalar relaxation in ¹³ C-DNP in liquids. Journal of Magnetic Resonance Open, 2022, 10-11, 100040.	1.1	6
2	Spin density localization and accessibility of organic radicals affect liquid-state DNP efficiency. Physical Chemistry Chemical Physics, 2021, 23, 4480-4485.	2.8	12
3	Low-temperature anomalies in muon spin relaxation of solid and hollow ⁵⁷ Fe ₂ O ₃ nanoparticles: A pathway to detect unusual local spin dynamics. Physical Review B, 2020, 102, .	3.2	4
4	Nitroxide Derivatives for Dynamic Nuclear Polarization in Liquids: The Role of Rotational Diffusion. Journal of Physical Chemistry Letters, 2020, 11, 1629-1635.	4.6	25
5	Role of Zn ²⁺ Substitution on the Magnetic, Hyperthermic, and Relaxometric Properties of Cobalt Ferrite Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 6148-6157.	3.1	65
6	Dynamic Nuclear Polarization of ¹³ C Nuclei in the Liquid State over a 10-100 Tesla Field Range. Angewandte Chemie - International Edition, 2019, 58, 1402-1406.	13.8	30
7	Dynamic Nuclear Polarization of ¹³ C Nuclei in the Liquid State over a 10-100 Tesla Field Range. Angewandte Chemie, 2019, 131, 1416-1420.	2.0	3
8	Spin dynamics in the single-ion magnet $\text{Er}(\text{DPA})_2$. Physical Review B, 2018, 97, .	3.2	6
9	Local spin dynamics of iron oxide magnetic nanoparticles dispersed in different solvents with variable size and shape: A ¹ H NMR study. Journal of Chemical Physics, 2017, 146, 034703.	3.0	14
10	Persistence of slow dynamics in Tb(OETAP) ₂ single molecule magnets embedded in conducting polymers. Journal of Physics Condensed Matter, 2016, 28, 386002.	1.8	0
11	On the magnetic anisotropy and nuclear relaxivity effects of Co and Ni doping in iron oxide nanoparticles. Journal of Applied Physics, 2016, 119, .	2.5	19
12	Tuning the architectural integrity of high-performance magneto-fluorescent core-shell nanoassemblies in cancer cells. Journal of Colloid and Interface Science, 2016, 479, 139-149.	9.4	17
13	Characterization of magnetic nanoparticles from <i>Magnetospirillum Gryphiswaldense</i> as potential theranostics tools. Contrast Media and Molecular Imaging, 2016, 11, 139-145.	0.8	34
14	NMR relaxation induced by iron oxide particles: testing theoretical models. Nanotechnology, 2016, 27, 155706.	2.6	23
15	Spin Dynamics in Hybrid Iron Oxide-Gold Nanostructures. Journal of Physical Chemistry C, 2015, 119, 1224-1233.	3.1	9
16	Magnetic Nanoparticles from <i>Magnetospirillum gryphiswaldense</i> Increase the Efficacy of Thermotherapy in a Model of Colon Carcinoma. PLoS ONE, 2014, 9, e108959.	2.5	49
17	Highly cohesive dual nanoassemblies for complementary multiscale bioimaging. Journal of Materials Chemistry B, 2014, 2, 7747-7755.	5.8	13
18	NMR as Evaluation Strategy for Cellular Uptake of Nanoparticles. Nano Letters, 2014, 14, 3959-3965.	9.1	5

#	ARTICLE	IF	CITATIONS
19	Superparamagnetic iron oxide nanoparticles stabilized by a poly(amidoamine)-rhenium complex as potential theranostic probe. Dalton Transactions, 2014, 43, 1172-1183.	3.3	18
20	Coexistence of plasmonic and magnetic properties in Au ₈₉ Fe ₁₁ nanoalloys. Nanoscale, 2013, 5, 5611.	5.6	92
21	Hybrid iron oxide-copolymer micelles and vesicles as contrast agents for MRI: impact of the nanostructure on the relaxometric properties. Journal of Materials Chemistry B, 2013, 1, 5317.	5.8	56