

Alessandro Lascialfari

List of Publications by Year in descending order

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62
papers

1,254
citations

361413

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h-index

395702

33
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62
all docs

62
docs citations

62
times ranked

2330
citing authors

#	ARTICLE	IF	CITATIONS
1	A method for T1 and T2 relaxation times validation and harmonization as a support to MRI mapping. Journal of Magnetic Resonance, 2022, 334, 107110.	2.1	2
2	Reproducibility of radiomic features in CT images of NSCLC patients: an integrative analysis on the impact of acquisition and reconstruction parameters. European Radiology Experimental, 2022, 6, 2.	3.4	12
3	Personalized Dosimetry in Targeted Radiation Therapy: A Look to Methods, Tools and Critical Aspects. Journal of Personalized Medicine, 2022, 12, 205.	2.5	14
4	Discrimination of Tumor Texture Based on MRI Radiomic Features: Is There a Volume Threshold? A Phantom Study. Applied Sciences (Switzerland), 2022, 12, 5465.	2.5	2
5	A multicenter study on radiomic features from T2-weighted images of a customized MR pelvic phantom setting the basis for robust radiomic models in clinics. Magnetic Resonance in Medicine, 2021, 85, 1713-1726.	3.0	22
6	Motor and higher-order functions topography of the human dentate nuclei identified with tractography and clustering methods. Human Brain Mapping, 2021, 42, 4348-4361.	3.6	20
7	Longitudinal and transverse NMR relaxivities of Ln(III)-DOTA complexes: A comprehensive investigation. Journal of Chemical Physics, 2021, 155, 214201.	3.0	4
8	Coating Effect on the ^1H -NMR Relaxation Properties of Iron Oxide Magnetic Nanoparticles. Nanomaterials, 2020, 10, 1660.	4.1	8
9	Low-temperature anomalies in muon spin relaxation of solid and hollow Fe_2O_3 nanoparticles: A pathway to detect unusual local spin dynamics. Physical Review B, 2020, 102, .	3.2	4
10	Breaking the ring: ^{53}Cr -NMR on the Cr_8Cd molecular nanomagnet. Journal of Physics Condensed Matter, 2020, 32, 244003.	1.8	8
11	PETER PHAN: An MRI phantom for the optimisation of radiomic studies of the female pelvis. Physica Medica, 2020, 71, 71-81.	0.7	27
12	Tailoring the magnetic core of organic-coated iron oxides nanoparticles to influence their contrast efficiency for Magnetic Resonance Imaging. Journal of Alloys and Compounds, 2019, 770, 58-66.	5.5	22
13	Elongated magnetic nanoparticles with high-aspect ratio: a nuclear relaxation and specific absorption rate investigation. Physical Chemistry Chemical Physics, 2019, 21, 18741-18752.	2.8	15
14	Cell Membrane-Coated Magnetic Nanocubes with a Homotypic Targeting Ability Increase Intracellular Temperature due to ROS Scavenging and Act as a Versatile Theranostic System for Glioblastoma Multiforme. Advanced Healthcare Materials, 2019, 8, e1900612.	7.6	36
15	Default Mode Network Structural Integrity and Cerebellar Connectivity Predict Information Processing Speed Deficit in Multiple Sclerosis. Frontiers in Cellular Neuroscience, 2019, 13, 21.	3.7	18
16	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
17	Spin dynamics in the single-ion magnet $\text{Er}(\text{NO}_2)_3(\text{H}_2\text{O})_2$. Physical Review B, 2018, 97, .	3.2	6
18	On the use of superparamagnetic hydroxyapatite nanoparticles as an agent for magnetic and nuclear in vivo imaging. Acta Biomaterialia, 2018, 73, 458-469.	8.3	49

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19	Inhibition of lysozyme fibrillogenesis by hydroxytyrosol and dopamine: An Atomic Force Microscopy study. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 1100-1105.	7.5	15
20	X-ray magnetic circular dichroism discloses surface spins correlation in maghemite hollow nanoparticles. <i>Applied Physics Letters</i> , 2018, 112, 022404.	3.3	6
21	Conjugation of a GM3 lactone mimetic on carbon nanotubes enhances the related inhibition of melanoma-associated metastatic events. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6086-6095.	2.8	8
22	Superparamagnetic iron oxide nanoparticles functionalized by peptide nucleic acids. <i>RSC Advances</i> , 2017, 7, 15500-15512.	3.6	43
23	Local spin dynamics of iron oxide magnetic nanoparticles dispersed in different solvents with variable size and shape: A ^1H NMR study. <i>Journal of Chemical Physics</i> , 2017, 146, 034703.	3.0	14
24	PEGylated Anionic Magnetofluorescent Nanoassemblies: Impact of Their Interface Structure on Magnetic Resonance Imaging Contrast and Cellular Uptake. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14242-14257.	8.0	13
25	Optimized PAMAM coated magnetic nanoparticles for simultaneous hyperthermic treatment and contrast enhanced MRI diagnosis. <i>RSC Advances</i> , 2017, 7, 44104-44111.	3.6	9
26	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
27	Relaxation dynamics in the frustrated Cr_9Zn_9 ring probed by NMR. <i>Physical Review B</i> , 2016, 93, .	3.7	10
28	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
29	Effects of extremely low-frequency magnetotherapy on proliferation of human dermal fibroblasts. <i>Electromagnetic Biology and Medicine</i> , 2016, 35, 343-352.	1.4	9
30	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
31	NMR relaxation induced by iron oxide particles: testing theoretical models. <i>Nanotechnology</i> , 2016, 27, 155706.	2.6	23
32	Low temperature magnetic properties and spin dynamics in single crystals of Cr_8Zn antiferromagnetic molecular rings. <i>Journal of Chemical Physics</i> , 2015, 143, 244321.	3.0	23
33	Comparison of spin dynamics and magnetic properties in antiferromagnetic closed and open molecular Cr-based rings. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 506001.	1.8	4
34	MR imaging and targeting of human breast cancer cells with folate decorated nanoparticles. <i>RSC Advances</i> , 2015, 5, 39760-39770.	3.6	12
35	High temperature spin dynamics in linear magnetic chains, molecular rings, and segments by nuclear magnetic resonance. <i>Journal of Applied Physics</i> , 2015, 117, 17B308.	2.5	4
36	Magnetic Nanoparticles from <i>Magnetospirillum gryphiswaldense</i> Increase the Efficacy of Thermo-therapy in a Model of Colon Carcinoma. <i>PLoS ONE</i> , 2014, 9, e108959.	2.5	49

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37	Magnetic properties and hyperfine interactions in Cr ₈ , Cr ₇ Cd, and Cr ₇ Ni molecular rings from ¹⁹ F-NMR. Journal of Chemical Physics, 2014, 140, 144306.	3.0	4
38	NMR as Evaluation Strategy for Cellular Uptake of Nanoparticles. Nano Letters, 2014, 14, 3959-3965.	9.1	5
39	Analysis and reduction of thermal dose errors in MRgFUS treatment. Physica Medica, 2014, 30, 111-116.	0.7	7
40	Low temperature spin dynamics in Cr ₇ Ni-Cu-Cr ₇ Ni coupled molecular rings. Journal of Applied Physics, 2014, 115, .	2.5	2
41	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
42	NMR-D study of the local spin dynamics and magnetic anisotropy in different nearly monodispersed ferrite nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 066008.	1.8	13
43	$\langle \text{H-NMR study of the spin dynamics of fine superparamagnetic nanoparticles. Physical Review B, 2012, 85, .} \rangle$	3.2	12
44	Magnetic, optical and relaxometric properties of organically coated gold-iron magnetite (Au-Fe ₃ O ₄) hybrid nanoparticles for potential use in biomedical applications. Journal of Magnetism and Magnetic Materials, 2012, 324, 2373-2379.	2.3	64
45	Magnetic properties and spin dynamics of $\langle \text{Mn} \rangle$ complexes. Physical Review B, 2011, 84, .	3.2	14
46	Superconducting phase fluctuations in SmFeAsO _{0.8} F _{0.2} from diamagnetism at a low magnetic field above T _c . Physical Review B, 2011, 84, .	3.2	24
47	Superconducting diamagnetic fluctuations in Sm-based underdoped cuprates studied via SQUID magnetometry. Physical Review B, 2010, 81, .	3.2	18
48	Magnetic Resonance Imaging Contrast Agents Based on Iron Oxide Superparamagnetic Ferrofluids. Chemistry of Materials, 2010, 22, 1739-1748.	6.7	140
49	$\langle \text{Superconducting fluctuating diamagnetism in neutron irradiated MgB}_2 \text{ in relation to precursor diamagnetism in Al-doped MgB}_2 \text{ superconductors. Physical Review B, 2005, 72, .} \rangle$	3.2	6
50	Superconducting Fluctuating Diamagnetism Versus Precursor Diamagnetism in Heterogeneous Superconductors. Journal of Superconductivity and Novel Magnetism, 2005, 18, 763-767.	0.5	6
51	On the low-energy excitations in superconducting YNi ₂ B ₂ C from B ₁ NMR relaxation around the critical field. Physical Review B, 2005, 71, .	3.2	3
52	Proton NMR wipeout effect due to slow fluctuations of the magnetization in single molecule magnets. Physical Review B, 2005, 72, .	3.2	27
53	Spin dynamics at the level crossing in the molecular antiferromagnetic ring [Cr ₈ F ₈ Piv ₁₆] from proton NMR. Physical Review B, 2005, 72, .	3.2	20
54	Precursor diamagnetism above the superconducting transition in YNi ₂ B ₂ C. European Physical Journal B, 2003, 35, 325-329.	1.5	8

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55	Localized and itinerant electronic states at the insulator-metal transition in $Y_{1-x}Ca_xVO_3$: evidence from electric transport, magnetic properties and XAS spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4691-4698.	2.8	5
56	Precursor diamagnetism above the superconducting transition in $La_{1.9}Sr_{0.1}CuO_4$. <i>Physical Review B</i> , 2003, 68, .	3.2	38
57	ANOMALOUS DOPING DEPENDENCE OF THE FLUCTUATION-INDUCED DIAMAGNETISM IN SUPERCONDUCTORS OF YBCO FAMILY. <i>International Journal of Modern Physics B</i> , 2003, 17, 785-790.	2.0	1
58	Observation of Magnetic Level Repulsion in Fe_6Li Molecular Antiferromagnetic Rings. <i>Physical Review Letters</i> , 2002, 88, 167201.	7.8	56
59	Superconducting diamagnetic fluctuations in MgB_2 . <i>Physical Review B</i> , 2002, 65, .	3.2	19
60	Anomalous doping dependence of fluctuation-induced diamagnetism in $Y_{1-x}Ca_xBa_2Cu_3O_y$ superconductors. <i>Physical Review B</i> , 2002, 65, .	3.2	44
61	Proton NMR and susceptibility measurements on the magnetic core of ferritin. <i>Applied Magnetic Resonance</i> , 2000, 19, 557-562.	1.2	3
62	Fluctuation Effects and Anomalous Diamagnetism in YBCO124 and in Underdoped YBCO123 from Susceptibility and ^{63}Cu Nuclear Relaxation. <i>International Journal of Modern Physics B</i> , 1999, 13, 1123-1129.	2.0	4