Simona Baroni

List of Publications by Year
in descending order

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34	744	566801 15	525886 27
papers	citations	h-index	g-index

34	34	34	1081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Sensitive â€œOff/Onâ€•EPR Probes to Monitor Enzymatic Activity. Chemistry - A European Journal, 2022, 28, .	1.7	3
2	A PI3KÎ³ mimetic peptide triggers CFTR gating, bronchodilation, and reduced inflammation in obstructive airway diseases. Science Translational Medicine, 2022, 14, eabl6328.	5.8	6
3	A Novel Class of 1 Hâ€MRI Contrast Agents Based on the Relaxation Enhancement Induced on Water Protons by 14 Nâ€Containing Imidazole Moieties. Angewandte Chemie - International Edition, 2021, 60, 4208-4214.	7.2	8
4	A Novel Class of 1 Hâ€MRI Contrast Agents Based on the Relaxation Enhancement Induced on Water Protons by 14 Nâ€Containing Imidazole Moieties. Angewandte Chemie, 2021, 133, 4254-4260.	1.6	1
5	Low-Field NMR Relaxometry for Intraoperative Tumour Margin Assessment in Breast-Conserving Surgery. Cancers, 2021, 13, 4141.	1.7	3
6	Monitoring tissue implants by field-cycling 1H-MRI via the detection of changes in the 14N-quadrupolar-peak from imidazole moieties incorporated in a â€œsmartâ€œ scaffold material. Journal of Materials Chemistry B, 2021, 9, 4863-4872.	2.9	5
7	H-Bonding and intramolecular catalysis of proton exchange affect the CEST properties of Eu^{III} complexes with HP-DO3A-like ligands. Chemical Communications, 2021, 57, 3287-3290.	2.2	3
8	Intracellular Water Lifetime as a Tumor Biomarker to Monitor Doxorubicin Treatment via FFC-Relaxometry in a Breast Cancer Model. Frontiers in Oncology, 2021, 11, 778823.	1.3	5
9	Relaxometric Studies of Gd-Chelate Conjugated on the Surface of Differently Shaped Gold Nanoparticles. Nanomaterials, 2020, 10, 1115.	1.9	4
10	In vivo assessment of tumour associated macrophages in murine melanoma obtained by low-field relaxometry in the presence of iron oxide particles. Biomaterials, 2020, 236, 119805.	5.7	16
11	Exploring the tumour extracellular matrix by in vivo Fast Field Cycling relaxometry after the administration of a Gadoliniumâ€based MRI contrast agent. Magnetic Resonance in Chemistry, 2019, 57, 845-851.	1.1	7
12	Polydopamine-decorated tobacco mosaic virus for photoacoustic/magnetic resonance bimodal imaging and photothermal cancer therapy. Nanoscale, 2019, 11, 9760-9768.	2.8	37
13	Relaxometric investigations addressing the determination of intracellular water lifetime: a novel tumour biomarker of general applicability. Molecular Physics, 2019, 117, 968-974.	0.8	12
14	Exploiting the Proton Exchange as an Additional Route to Enhance the Relaxivity of Paramagnetic MRI Contrast Agents. Inorganic Chemistry, 2018, 57, 5567-5574.	1.9	23
15	Evidence for the Role of Intracellular Water Lifetime as a Tumour Biomarker Obtained by Inâ€...Vivo Fieldâ€Cycling Relaxometry. Angewandte Chemie - International Edition, 2018, 57, 7468-7472.	7.2	44
16	Evidence for the Role of Intracellular Water Lifetime as a Tumour Biomarker Obtained by Inâ€...Vivo Fieldâ€Cycling Relaxometry. Angewandte Chemie, 2018, 130, 7590-7594.	1.6	4
17	Macrocyclic paramagnetic agents for MRI: Determinants of relaxivity and strategies for their improvement. Magnetic Resonance in Medicine, 2017, 78, 1523-1532.	1.9	21
18	Mesoporous silica nanoparticles functionalized with fluorescent and MRI reporters for the visualization of murine tumors overexpressing Î±_vÎ²₃receptors. Nanoscale, 2016, 8, 7094-7104.	2.8	26

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19	Frequency-Encoded MRI-CEST Agents Based on Paramagnetic Liposomes/RBC Aggregates. Nano Letters, 2014, 14, 6857-6862.	4.5	24
20	Relaxometric studies of gadoliniumâ€functionalized perfluorocarbon nanoparticles for MR imaging. Contrast Media and Molecular Imaging, 2014, 9, 83-91.	0.4	28
21	Synthesis and characterization of an MRI Gdâ€based probe designed to target the translocator protein. Magnetic Resonance in Chemistry, 2013, 51, 116-122.	1.1	7
22	Water molecular dynamics during bread staling by Nuclear Magnetic Resonance. LWT - Food Science and Technology, 2011, 44, 854-859.	2.5	72
23	The use of contrast agents with fast field-cycling magnetic resonance imaging. Physics in Medicine and Biology, 2011, 56, 105-115.	1.6	12
24	Fast field-cycling magnetic resonance imaging. Comptes Rendus Physique, 2010, 11, 136-148.	0.3	63
25	Relaxometric Studies for Food Characterization: The Case of Balsamic and Traditional Balsamic Vinegars. Journal of Agricultural and Food Chemistry, 2009, 57, 3028-3032.	2.4	34
26	Thermodynamic analysis of hydration in human serum hemeâ€“albumin. Biochemical and Biophysical Research Communications, 2009, 385, 385-389.	1.0	6
27	Characterization of human hair melanin and its degradation products by means of magnetic resonance techniques. Magnetic Resonance in Chemistry, 2008, 46, 471-479.	1.1	33
28	Synthesis and characterization of a Gd(iii) based contrast agent responsive to thiol containing compounds. Dalton Transactions, 2007, , 4980.	1.6	36
29	Water exchange across the erythrocyte plasma membrane studied by HR-MAS NMR spectroscopy. Magnetic Resonance in Medicine, 2006, 56, 978-985.	1.9	13
30	Determination of ferric heme-human serum albumin by 1H NMR relaxometry. Journal of Inorganic Biochemistry, 2003, 95, 64-67.	1.5	4
31	Modulation of the antioxidant activity of HO scavengers by albumin binding: a 19F-NMR study. Biochemical and Biophysical Research Communications, 2003, 307, 962-966.	1.0	11
32	Binding and Relaxometric Properties of Heme Complexes with Cyanogen Bromide Fragments of Human Serum Albumin. Biophysical Journal, 2002, 83, 2248-2258.	0.2	17
33	Effect of ibuprofen and warfarin on the allosteric properties of haem-human serum albumin. FEBS Journal, 2001, 268, 6214-6220.	0.2	123
34	Relaxometric characterization of human hemalbumin. Journal of Biological Inorganic Chemistry, 2001, 6, 650-658.	1.1	33