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	Effect of ibuprofen and warfarin on the allosteric properties of haem-human serum albumin. FEBS Journal, 2001, 268, 6214-6220.	0.2	123
2	Water molecular dynamics during bread staling by Nuclear Magnetic Resonance. LWT - Food Science and Technology, 2011, 44, 854-859.	2.5	72
3	Fast field-cycling magnetic resonance imaging. Comptes Rendus Physique, 2010, 11, 136-148.	0.3	63
4	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
5	Polydopamine-decorated tobacco mosaic virus for photoacoustic/magnetic resonance bimodal imaging and photothermal cancer therapy. Nanoscale, 2019, 11, 9760-9768.	2.8	37
6	Synthesis and characterization of a Gd(iii) based contrast agent responsive to thiol containing compounds. Dalton Transactions, 2007, , 4980.	1.6	36
7	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
8	Relaxometric characterization of human hemalbumin. Journal of Biological Inorganic Chemistry, 2001, 6, 650-658.	1.1	33
9	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
10	Relaxometric studies of gadoliniumâ€functionalized perfluorocarbon nanoparticles for MR imaging. Contrast Media and Molecular Imaging, 2014, 9, 83-91.	0.4	28
11	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
12	Frequency-Encoded MRI-CEST Agents Based on Paramagnetic Liposomes/RBC Aggregates. Nano Letters, 2014, 14, 6857-6862.	4.5	24
13	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
14	Macrocyclic paramagnetic agents for MRI: Determinants of relaxivity and strategies for their improvement. Magnetic Resonance in Medicine, 2017, 78, 1523-1532.	1.9	21
15	Binding and Relaxometric Properties of Heme Complexes with Cyanogen Bromide Fragments of Human Serum Albumin. Biophysical Journal, 2002, 83, 2248-2258.	0.2	17
16	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
17	Water exchange across the erythrocyte plasma membrane studied by HR-MAS NMR spectroscopy. Magnetic Resonance in Medicine, 2006, 56, 978-985.	1.9	13
18	The use of contrast agents with fast field-cycling magnetic resonance imaging. Physics in Medicine and Biology, 2011, 56, 105-115.	1.6	12

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	Thermodynamic analysis of hydration in human serum hemeâ€“albumin. Biochemical and Biophysical Research Communications, 2009, 385, 385-389.	1.0	6
25	A PI3KÎ³ mimetic peptide triggers CFTR gating, bronchodilation, and reduced inflammation in obstructive airway diseases. Science Translational Medicine, 2022, 14, eabl6328.	5.8	6
26	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
27	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
28	Determination of ferric heme-human serum albumin by 1H NMR relaxometry. Journal of Inorganic Biochemistry, 2003, 95, 64-67.	1.5	4
29	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
30	Relaxometric Studies of Gd-Chelate Conjugated on the Surface of Differently Shaped Gold Nanoparticles. Nanomaterials, 2020, 10, 1115.	1.9	4
31	Low-Field NMR Relaxometry for Intraoperative Tumour Margin Assessment in Breast-Conserving Surgery. Cancers, 2021, 13, 4141.	1.7	3
32	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
33	Highly Sensitive â€œOff/Onâ€•EPR Probes to Monitor Enzymatic Activity. Chemistry - A European Journal, 2022, 28, .	1.7	3
34	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