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List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,635
citations

471509

17
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

2248
citing authors

#	ARTICLE	IF	CITATIONS
1	Orientationally invariant indices of axon diameter and density from diffusion MRI. <i>NeuroImage</i> , 2010, 52, 1374-1389.	4.2	629
2	Axon diameter mapping in the presence of orientation dispersion with diffusion MRI. <i>NeuroImage</i> , 2011, 56, 1301-1315.	4.2	240
3	The CONNECT project: Combining macro- and micro-structure. <i>NeuroImage</i> , 2013, 80, 273-282.	4.2	121
4	Jet deposition in near-field electrospinning of patterned polycaprolactone and sugar-polycaprolactone core-shell fibres. <i>Polymer</i> , 2011, 52, 3603-3610.	3.8	68
5	Biomimetic phantom for the validation of diffusion magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 299-305.	3.0	57
6	Diffusion, relaxation, and chemical exchange in casein gels: A nuclear magnetic resonance study. <i>Journal of Chemical Physics</i> , 2005, 122, 034506.	3.0	36
7	Coaxially Electrospun Axon-Mimicking Fibers for Diffusion Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6311-6316.	8.0	34
8	Z-spectroscopy with Alternating-Phase Irradiation. <i>Journal of Magnetic Resonance</i> , 2010, 207, 242-250.	2.1	31
9	Feasibility assessment of using oxygen-enhanced magnetic resonance imaging for evaluating the effect of pharmacological treatment in COPD. <i>European Journal of Radiology</i> , 2014, 83, 2093-2101.	2.6	30
10	Preparation and characterization of polycaprolactone microspheres by electrospraying. <i>Aerosol Science and Technology</i> , 2016, 50, 1201-1215.	3.1	29
11	A Study of Anisotropic Water Self-Diffusion and Defects in the Lamellar Mesophase. <i>Langmuir</i> , 2005, 21, 4340-4346.	3.5	28
12	Hollow Polycaprolactone Microspheres with/without a Single Surface Hole by Co-Electrospraying. <i>Langmuir</i> , 2017, 33, 13262-13271.	3.5	28
13	Effects of radiation damping on Z-spectra. <i>Journal of Magnetic Resonance</i> , 2006, 183, 203-212.	2.1	24
14	Production and cross-sectional characterization of aligned co-electrospun hollow microfibrillar bulk assemblies. <i>Materials Characterization</i> , 2015, 109, 25-35.	4.4	24
15	Biomimetic phantom for cardiac diffusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 594-600.	3.4	24
16	Quantitative Assessment of Liver Function Using Gadoxetate-Enhanced Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2017, 52, 111-119.	6.2	22
17	Evolution of a Lamellar Domain Structure for an Equilibrating Lyotropic Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20781-20788.	2.6	17
18	COPD Patients Have Short Lung Magnetic Resonance T1 Relaxation Time. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2016, 13, 153-159.	1.6	17

#	ARTICLE	IF	CITATIONS
19	Muon Implantation of Metallocenes: Ferrocene. <i>Chemistry - A European Journal</i> , 2007, 13, 2266-2276.	3.3	15
20	Axon mimicking hydrophilic hollow polycaprolactone microfibres for diffusion magnetic resonance imaging. <i>Materials and Design</i> , 2018, 137, 394-403.	7.0	14
21	Validation of Tractography. , 2009, , 353-375.		13
22	Avoided Level Crossing Muon Spectroscopy of Free Radicals Formed by Muonium Addition to the Constituents of DNA. <i>Journal of Physical Chemistry A</i> , 2004, 108, 9302-9309.	2.5	12
23	MR Quantitative Equilibrium Signal Mapping: A Reliable Alternative to CT in the Assessment of Emphysema in Patients with Chronic Obstructive Pulmonary Disease. <i>Radiology</i> , 2015, 275, 579-588.	7.3	12
24	A biomimetic tumor tissue phantom for validating diffusion-weighted MRI measurements. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 147-158.	3.0	12
25	Co-electrospraying of tumour cell mimicking hollow polymeric microspheres for diffusion magnetic resonance imaging. <i>Materials Science and Engineering C</i> , 2019, 101, 217-227.	7.3	11
26	Laying the foundation for understanding muon implantation in DNA: ab initio DFT calculations of the nucleic acid base muonium adducts. <i>Physica B: Condensed Matter</i> , 2003, 326, 25-29.	2.7	10
27	Orientational Anisotropy in the Polydomain Lamellar Phase of a Lyotropic Liquid Crystal. <i>Langmuir</i> , 2006, 22, 3999-4003.	3.5	10
28	Towards a "resolution limit"™ for DW-MRI tumor microstructural models: A simulation study investigating the feasibility of distinguishing between microstructural changes. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2288-2301.	3.0	10
29	Diffusion tensor MRI phantom exhibits anomalous diffusion. , 2014, 2014, 746-9.		9
30	Stability and reproducibility of co-electrospun brain-mimicking phantoms for quality assurance of diffusion MRI sequences. <i>NeuroImage</i> , 2018, 181, 395-402.	4.2	9
31	T1 Relaxation Time in Lungs of Asymptomatic Smokers. <i>PLoS ONE</i> , 2016, 11, e0149760.	2.5	8
32	Different responses to muon implantation in single- and double-stranded DNA. <i>Physica B: Condensed Matter</i> , 2006, 374-375, 437-440.	2.7	7
33	A Strategy for the Measurement of the Vibrations of a Muoniated Radical Centre: Experimental Evidence. <i>ChemPhysChem</i> , 2004, 5, 257-261.	2.1	6
34	Diffusion model comparison identifies distinct tumor subregions and tracks treatment response. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1250-1263.	3.0	6
35	Modeling Gadoxetate Liver Uptake and Efflux Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging Enables Preclinical Quantification of Transporter Drug-Drug Interactions. <i>Investigative Radiology</i> , 2018, 53, 563-570.	6.2	5
36	Evaluation of non-contrast MRI biomarkers in lupus nephritis. <i>Clinical and Experimental Rheumatology</i> , 2017, 35, 954-958.	0.8	4

#	ARTICLE	IF	CITATIONS
37	Co-electrospun Brain Mimetic Hollow Microfibres Fibres for Diffusion Magnetic Resonance Imaging. Nanoscience and Technology, 2015, , 289-304.	1.5	2
38	Biomimetic phantom for cardiac diffusion MRI. Journal of Magnetic Resonance Imaging, 2016, 43, spcone-spcone.	3.4	1