Penny L Hubbard Cristinacce

List of Publications by Year
in descending order

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	Diffusion model comparison identifies distinct tumor subâ€regions and tracks treatment response. Magnetic Resonance in Medicine, 2020, 84, 1250-1263.	3.0	6
2	Towards a â€˜resolution limitâ€™ for DWâ€MRI tumor microstructural models: A simulation study investigating the feasibility of distinguishing between microstructural changes. Magnetic Resonance in Medicine, 2019, 81, 2288-2301.	3.0	10
3	Co-electrospraying of tumour cell mimicking hollow polymeric microspheres for diffusion magnetic resonance imaging. Materials Science and Engineering C, 2019, 101, 217-227.	7.3	11
4	A biomimetic tumor tissue phantom for validating diffusionâ€weighted MRI measurements. Magnetic Resonance in Medicine, 2018, 80, 147-158.	3.0	12
5	Axon mimicking hydrophilic hollow polycaprolactone microfibres for diffusion magnetic resonance imaging. Materials and Design, 2018, 137, 394-403.	7.0	14
6	Modeling Gadoxetate Liver Uptake and Efflux Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging Enables Preclinical Quantification of Transporter Drug-Drug Interactions. Investigative Radiology, 2018, 53, 563-570.	6.2	5
7	Stability and reproducibility of co-electrospun brain-mimicking phantoms for quality assurance of diffusion MRI sequences. NeuroImage, 2018, 181, 395-402.	4.2	9
8	Quantitative Assessment of Liver Function Using Gadoxetate-Enhanced Magnetic Resonance Imaging. Investigative Radiology, 2017, 52, 111-119.	6.2	22
9	Hollow Polycaprolactone Microspheres with/without a Single Surface Hole by Co-Electrospraying. Langmuir, 2017, 33, 13262-13271.	3.5	28
10	Evaluation of non-contrast MRI biomarkers in lupus nephritis. Clinical and Experimental Rheumatology, 2017, 35, 954-958.	0.8	4
11	Biomimetic phantom for cardiac diffusion MRI. Journal of Magnetic Resonance Imaging, 2016, 43, spcone-spcone.	3.4	1
12	Biomimetic phantom for cardiac diffusion MRI. Journal of Magnetic Resonance Imaging, 2016, 43, 594-600.	3.4	24
13	Preparation and characterization of polycaprolactone microspheres by electrospraying. Aerosol Science and Technology, 2016, 50, 1201-1215.	3.1	29
14	COPD Patients Have Short Lung Magnetic ResonanceT1Relaxation Time. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2016, 13, 153-159.	1.6	17
15	T1 Relaxation Time in Lungs of Asymptomatic Smokers. PLoS ONE, 2016, 11, e0149760.	2.5	8
16	Biomimetic phantom for the validation of diffusion magnetic resonance imaging. Magnetic Resonance in Medicine, 2015, 73, 299-305.	3.0	57
17	Co-electrospun Brain Mimetic Hollow Microfibres Fibres for Diffusion Magnetic Resonance Imaging. Nanoscience and Technology, 2015, , 289-304.	1.5	2
18	MR Quantitative Equilibrium Signal Mapping: A Reliable Alternative to CT in the Assessment of Emphysema in Patients with Chronic Obstructive Pulmonary Disease. Radiology, 2015, 275, 579-588.	7.3	12

#	Article	IF	Citations
19	Production and cross-sectional characterization of aligned co-electrospun hollow microfibrous bulk assemblies. Materials Characterization, 2015, 109, 25-35.	4.4	24
20	Diffusion tensor MRI phantom exhibits anomalous diffusion. , 2014, 2014, 746-9.		9
21	Feasibility assessment of using oxygen-enhanced magnetic resonance imaging for evaluating the effect of pharmacological treatment in COPD. European Journal of Radiology, 2014, 83, 2093-2101.	2.6	30
22	The CONNECT project: Combining macro- and micro-structure. NeuroImage, 2013, 80, 273-282.	4.2	121
23	Coaxially Electrospun Axon-Mimicking Fibers for Diffusion Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2012, 4, 6311-6316.	8.0	34
24	Axon diameter mapping in the presence of orientation dispersion with diffusion MRI. NeuroImage, 2011, 56, 1301-1315.	4.2	240
25	Jet deposition in near-field electrospinning of patterned polycaprolactone and sugar-polycaprolactone coreâ€“shell fibres. Polymer, 2011, 52, 3603-3610.	3.8	68
26	Z-spectroscopy with Alternating-Phase Irradiation. Journal of Magnetic Resonance, 2010, 207, 242-250.	2.1	31
27	Orientationally invariant indices of axon diameter and density from diffusion MRI. NeuroImage, 2010, 52, 1374-1389.	4.2	629
28	Validation of Tractography. , 2009, , 353-375.		13
29	Muon Implantation of Metallocenes: Ferrocene. Chemistry - A European Journal, 2007, 13, 2266-2276.	3.3	15
30	Orientational Anisotropy in the Polydomain Lamellar Phase of a Lyotropic Liquid Crystal. Langmuir, 2006, 22, 3999-4003.	3.5	10
31	Evolution of a Lamellar Domain Structure for an Equilibrating Lyotropic Liquid Crystal. Journal of Physical Chemistry B, 2006, 110, 20781-20788.	2.6	17
32	Effects of radiation damping on Z-spectra. Journal of Magnetic Resonance, 2006, 183, 203-212.	2.1	24
33	Different responses to muon implantation in single- and double-stranded DNA. Physica B: Condensed Matter, 2006, 374-375, 437-440.	2.7	7
34	Diffusion, relaxation, and chemical exchange in casein gels: A nuclear magnetic resonance study. Journal of Chemical Physics, 2005, 122, 034506.	3.0	36
35	A Study of Anisotropic Water Self-Diffusion and Defects in the Lamellar Mesophase. Langmuir, 2005, 21, 4340-4346.	3.5	28
36	A Strategy for the Measurement of the Vibrations of a Muoniated Radical Centre: Experimental Evidence. ChemPhysChem, 2004, 5, 257-261.	2.1	6

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37	Avoided Level Crossing Muon Spectroscopy of Free Radicals Formed by Muonium Addition to the Constituents of DNA. Journal of Physical Chemistry A, 2004, 108, 9302-9309.	2.5	12
38	Laying the foundation for understanding muon implantation in DNA: ab initio DFT calculations of the nucleic acid base muonium adducts. Physica B: Condensed Matter, 2003, 326, 25-29.	2.7	10