

Michael J House

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,695
citations

257450

24
h-index

182427

51
g-index

59
all docs

59
docs citations

59
times ranked

4940
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging iron stores in the brain using magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2005, 23, 1-25.	1.8	891
2	On T2* Magnetic Resonance and Cardiac Iron. <i>Circulation</i> , 2011, 123, 1519-1528.	1.6	381
3	Correlation of proton transverse relaxation rates (R2) with iron concentrations in postmortem brain tissue from alzheimer's disease patients. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 172-180.	3.0	94
4	The impact of phlebotomy in nonalcoholic fatty liver disease: A prospective, randomized, controlled trial. <i>Hepatology</i> , 2015, 61, 1555-1564.	7.3	89
5	Multimodal Analysis of PEI-Mediated Endocytosis of Nanoparticles in Neural Cells. <i>ACS Nano</i> , 2011, 5, 8640-8648.	14.6	83
6	Experimental validation of proton transverse relaxivity models for superparamagnetic nanoparticle MRI contrast agents. <i>Nanotechnology</i> , 2010, 21, 035103.	2.6	81
7	Magnetic particle-mediated magnetoreception. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150499.	3.4	67
8	Continuously manufactured magnetic polymersomes – a versatile tool (not only) for targeted cancer therapy. <i>Nanoscale</i> , 2013, 5, 11385.	5.6	61
9	Toward Design of Magnetic Nanoparticle Clusters Stabilized by Biocompatible Diblock Copolymers for T ₂ -Weighted MRI Contrast. <i>Langmuir</i> , 2014, 30, 1580-1587.	3.5	59
10	Poly(N-isopropylacrylamide)-Coated Superparamagnetic Iron Oxide Nanoparticles: Relaxometric and Fluorescence Behavior Correlate to Temperature-Dependent Aggregation. <i>Chemistry of Materials</i> , 2011, 23, 3348-3356.	6.7	57
11	The effect of magnetically induced linear aggregates on proton transverse relaxation rates of aqueous suspensions of polymer coated magnetic nanoparticles. <i>Nanoscale</i> , 2013, 5, 2152-2163.	5.6	53
12	Texture-based classification of liver fibrosis using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 322-328.	3.4	53
13	Dose-Dependent Therapeutic Distinction between Active and Passive Targeting Revealed Using Transferrin-Coated PGMA Nanoparticles. <i>Small</i> , 2016, 12, 351-359.	10.0	51
14	1.4T study of proton magnetic relaxation rates, iron concentrations, and plaque burden in Alzheimer's disease and control postmortem brain tissue. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 41-52.	3.0	44
15	Modeling Urinary Dysfunction After External Beam Radiation Therapy of the Prostate Using Bladder Dose-Surface Maps: Evidence of Spatially Variable Response of the Bladder Surface. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 420-426.	0.8	43
16	The effect of polymer coatings on proton transverse relaxivities of aqueous suspensions of magnetic nanoparticles. <i>Nanotechnology</i> , 2011, 22, 325702.	2.6	37
17	Hepatic iron concentration correlates with insulin sensitivity in nonalcoholic fatty liver disease. <i>Hepatology Communications</i> , 2018, 2, 644-653.	4.3	37
18	An Unexpected Transient Breakdown of the Blood Brain Barrier Triggers Passage of Large Intravenously Administered Nanoparticles. <i>Scientific Reports</i> , 2016, 6, 22595.	3.3	34

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19	Maternal-placental-fetal biodistribution of multimodal polymeric nanoparticles in a pregnant rat model in mid and late gestation. <i>Scientific Reports</i> , 2017, 7, 2866.	3.3	34
20	Relationship between brain R^2 and liver and serum Iron concentrations in elderly men. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 275-281.	3.0	33
21	Statistical-learning strategies generate only modestly performing predictive models for urinary symptoms following external beam radiotherapy of the prostate: A comparison of conventional and machine-learning methods. <i>Medical Physics</i> , 2016, 43, 2040-2052.	3.0	30
22	Examining Efficacy of α TAT-less Delivery of a Peptide against the L-Type Calcium Channel in Cardiac Ischemia Reperfusion Injury. <i>ACS Nano</i> , 2013, 7, 2212-2220.	14.6	28
23	Manipulating directional cell motility using intracellular superparamagnetic nanoparticles. <i>Nanoscale</i> , 2015, 7, 4884-4889.	5.6	25
24	Mapping iron in human heart tissue with synchrotron x-ray fluorescence microscopy and cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 80.	3.3	24
25	Renal iron load in sickle cell disease is influenced by severity of haemolysis. <i>British Journal of Haematology</i> , 2012, 157, 599-605.	2.5	23
26	The Iron Distribution and Magnetic Properties of Schistosome Eggshells: Implications for Improved Diagnostics. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2219.	3.0	22
27	Urinary symptoms following external beam radiotherapy of the prostate: Dose-symptom correlates with multiple-event and event-count models. <i>Radiotherapy and Oncology</i> , 2015, 117, 277-282.	0.6	21
28	Spatial features of dose-surface maps from deformably-registered plans correlate with late gastrointestinal complications. <i>Physics in Medicine and Biology</i> , 2017, 62, 4118-4139.	3.0	20
29	Stereological Analysis of Liver Biopsy Histology Sections as a Reference Standard for Validating Non-Invasive Liver Fat Fraction Measurements by MRI. <i>PLoS ONE</i> , 2016, 11, e0160789.	2.5	20
30	Prostate external beam radiotherapy combined with high-dose-rate brachytherapy: dose-volume parameters from deformably-registered plans correlate with late gastrointestinal complications. <i>Radiation Oncology</i> , 2016, 11, 144.	2.7	18
31	Radiation therapists' perspectives on participating in research. <i>Journal of Medical Radiation Sciences</i> , 2017, 64, 299-309.	1.5	18
32	Nuclear Magnetic Resonance: A Tool for Malaria Diagnosis?. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 85, 815-817.	1.4	15
33	The influence of NaYF ₄ :Yb,Er size/phase on the multimodality of co-encapsulated magnetic photon-upconverting polymeric nanoparticles. <i>Dalton Transactions</i> , 2014, 43, 16780-16787.	3.3	15
34	Labeling of cancer cells with magnetic nanoparticles for magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1896-1905.	3.0	13
35	Brain transcriptome perturbations in the transferrin receptor 2 mutant mouse support the case for brain changes in iron loading disorders, including effects relating to long-term depression and long-term potentiation. <i>Neuroscience</i> , 2013, 235, 119-128.	2.3	12
36	The impact of smart metal artefact reduction algorithm for use in radiotherapy treatment planning. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2017, 40, 385-394.	1.3	12

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37	Tissue Iron Distribution Assessed by MRI in Patients with Iron Loading Anemias. PLoS ONE, 2015, 10, e0139220.	2.5	11
38	Diagnostic Performance of a Rapid Magnetic Resonance Imaging Method of Measuring Hepatic Steatosis. PLoS ONE, 2013, 8, e59287.	2.5	10
39	An assessment of radiation oncology medical physicistsâ€™ perspectives on undertaking research. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 173-180.	1.3	10
40	Multi-modal imaging and analysis in the search for iron-based magnetoreceptors in the honeybee <i>Apis mellifera</i> . Royal Society Open Science, 2018, 5, 181163.	2.4	9
41	Registering prostate external beam radiotherapy with a boost from high-dose-rate brachytherapy: a comparative evaluation of deformable registration algorithms. Radiation Oncology, 2015, 10, 254.	2.7	8
42	Pathological relationships involving iron and myelin may constitute a shared mechanism linking various rare and common brain diseases. Rare Diseases (Austin, Tex), 2016, 4, e1198458.	1.8	7
43	Sustainability of the Australian radiation oncology workforce: A survey of radiation therapists and radiation oncology medical physicists. European Journal of Cancer Care, 2018, 27, e12804.	1.5	7
44	Three-Dimensional Structure of Greenstone Belts in Western Australia: Implications for Gold Exploration. Exploration Geophysics, 1992, 23, 105-109.	1.1	6
45	Verification of junction dose between VMAT arcs of total body irradiation using a Sun Nuclear ArcCHECK phantom. Journal of Applied Clinical Medical Physics, 2017, 18, 177-182.	1.9	6
46	Poly(glycidyl methacrylate) coated dual mode upconverting nanoparticles for neuronal cell imaging. New Journal of Chemistry, 2016, 40, 6692-6696.	2.8	4
47	Accumulation of rectum dose-volume metrics for prostate external beam radiotherapy combined with brachytherapy: Evaluating deformably registered dose distribution addition using parameter-based addition. Journal of Medical Imaging and Radiation Oncology, 2017, 61, 534-542.	1.8	4
48	On the Gravity Signature of Archaean Greenstones in the Widgiemooltha-Tramways Area, Eastern Goldfields, Western Australia. Exploration Geophysics, 1993, 24, 811-818.	1.1	3
49	Calibration standard of body tissue with magnetic nanocomposites for MRI and X-ray imaging. Journal of Magnetism and Magnetic Materials, 2016, 405, 78-87.	2.3	2
50	Using percolation networks to incorporate spatial-dose information for assessment of complication probability in radiotherapy. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 869-880.	1.3	2
51	A comparison of liver fat fraction measurement on MRI at 3T and 1.5T. PLoS ONE, 2021, 16, e0252928.	2.5	2
52	Structure of the highly mineralised late-Archaean granitoid-greenstone terrain and the underlying crust in the Kambalda- Widgiemooltha area, Western Australia, from the integration of geophysical datasets.. Exploration Geophysics, 1999, 30, 50-67.	1.1	1
53	Enhancement of the Cell Specific Proton Relaxivities of Human Red Blood Cells via Loading With Gadoteric Acid. IEEE Transactions on Magnetics, 2013, 49, 414-420.	2.1	1
54	Magnetotactic Bacteria and Honey Bees: Model Systems for Characterising an Iron Oxide Mediated Magnetoreceptor. Microscopy and Microanalysis, 2015, 21, 85-86.	0.4	1

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55	Theoretical versus Ex Vivo Assessment of Radiation Damage Repair: An Investigation in Normal Breast Tissue. Radiation Research, 2016, 185, 393-401.	1.5	1
56	The Design and Testing of Multifunctional Nanoparticles for Drug Delivery Applications. , 2016, , 1-60.		1
57	Validation of MRIâ€VLFF for the nonâ€invasive measurement of steatosis in children. GastroHep, 2020, 2, 171-180.	0.6	1
58	Renal Iron Load in Sickle Cell Disease Correlates with Hemolysis and Transfusion History, but Not with Hepatic Iron. Blood, 2011, 118, 2129-2129.	1.4	0