Michael J House

List of Publications by Year
in descending order

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	A comparison of liver fat fraction measurement on MRI at 3T and 1.5T. PLoS ONE, 2021, 16, e0252928.	2.5	2
2	Validation of MRIâ€VLFF for the nonâ€invasive measurement of steatosis in children. GastroHep, 2020, 2, 171-180.	0.6	1
3	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
4	Hepatic iron concentration correlates with insulin sensitivity in nonalcoholic fatty liver disease. Hepatology Communications, 2018, 2, 644-653.	4.3	37
5	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
6	Accumulation of rectum doseâ€volume metrics for prostate external beam radiotherapy combined with brachytherapy: Evaluating deformably registered dose distribution addition using parameterâ€based addition. Journal of Medical Imaging and Radiation Oncology, 2017, 61, 534-542.	1.8	4
7	Spatial features of doseâ€"surface maps from deformably-registered plans correlate with late gastrointestinal complications. Physics in Medicine and Biology, 2017, 62, 4118-4139.	3.0	20
8	The impact of smart metal artefact reduction algorithm for use in radiotherapy treatment planning. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 385-394.	1.3	12
9	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
10	Radiation therapists' perspectives on participating in research. Journal of Medical Radiation Sciences, 2017, 64, 299-309.	1.5	18
11	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
12	Verification of junction dose between <scp>VMAT</scp> arcs of total body irradiation using a Sun Nuclear Arc<scp>CHECK</scp> phantom. Journal of Applied Clinical Medical Physics, 2017, 18, 177-182.	1.9	6
13	Maternal-placental-fetal biodistribution of multimodal polymeric nanoparticles in a pregnant rat model in mid and late gestation. Scientific Reports, 2017, 7, 2866.	3.3	34
14	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. International Journal of Radiation Oncology Biology Physics, 2017, 97, 420-426.	0.8	43
15	Theoretical versusEx VivoAssessment of Radiation Damage Repair: An Investigation in Normal Breast Tissue. Radiation Research, 2016, 185, 393-401.	1.5	1
16	Doseâ€Dependent Therapeutic Distinction between Active and Passive Targeting Revealed Using Transferrinâ€Coated PGMA Nanoparticles. Small, 2016, 12, 351-359.	10.0	51
17	An Unexpected Transient Breakdown of the Blood Brain Barrier Triggers Passage of Large Intravenously Administered Nanoparticles. Scientific Reports, 2016, 6, 22595.	3.3	34
18	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. Medical Physics, 2016, 43, 2040-2052.	3.0	30

#	ARTICLE	IF	CITATIONS
19	Prostate external beam radiotherapy combined with high-dose-rate brachytherapy: dose-volume parameters from deformably-registered plans correlate with late gastrointestinal complications. Radiation Oncology, 2016, 11, 144.	2.7	18
20	Poly(glycidyl methacrylate) coated dual mode upconverting nanoparticles for neuronal cell imaging. New Journal of Chemistry, 2016, 40, 6692-6696.	2.8	4
21	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
22	The Design and Testing of Multifunctional Nanoparticles for Drug Delivery Applications. , 2016, , 1-60.		1
23	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
24	Stereological Analysis of Liver Biopsy Histology Sections as a Reference Standard for Validating Non-Invasive Liver Fat Fraction Measurements by MRI. PLoS ONE, 2016, 11, e0160789.	2.5	20
25	Magnetotactic Bacteria and Honey Bees: Model Systems for Characterising an Iron Oxide Mediated Magnetoreceptor. Microscopy and Microanalysis, 2015, 21, 85-86.	0.4	1
26	Urinary symptoms following external beam radiotherapy of the prostate: Doseâ€“symptom correlates with multiple-event and event-count models. Radiotherapy and Oncology, 2015, 117, 277-282.	0.6	21
27	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
28	Tissue Iron Distribution Assessed by MRI in Patients with Iron Loading Anemias. PLoS ONE, 2015, 10, e0139220.	2.5	11
29	Manipulating directional cell motility using intracellular superparamagnetic nanoparticles. Nanoscale, 2015, 7, 4884-4889.	5.6	25
30	The impact of phlebotomy in nonalcoholic fatty liver disease: A prospective, randomized, controlled trial. Hepatology, 2015, 61, 1555-1564.	7.3	89
31	Magnetic particle-mediated magnetoreception. Journal of the Royal Society Interface, 2015, 12, 20150499.	3.4	67
32	Textureâ€based classification of liver fibrosis using MRI. Journal of Magnetic Resonance Imaging, 2015, 41, 322-328.	3.4	53
33	The influence of NaYF4:Yb,Er size/phase on the multimodality of co-encapsulated magnetic photon-upconverting polymeric nanoparticles. Dalton Transactions, 2014, 43, 16780-16787.	3.3	15
34	Mapping iron in human heart tissue with synchrotron x-ray fluorescence microscopy and cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 80.	3.3	24
35	Labeling of cancer cells with magnetic nanoparticles for magnetic resonance imaging. Magnetic Resonance in Medicine, 2014, 71, 1896-1905.	3.0	13
36	Toward Design of Magnetic Nanoparticle Clusters Stabilized by Biocompatible Diblock Copolymers for <i>T</i>₂-Weighted MRI Contrast. Langmuir, 2014, 30, 1580-1587.	3.5	59

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37	The effect of magnetically induced linear aggregates on proton transverse relaxation rates of aqueous suspensions of polymer coated magnetic nanoparticles. Nanoscale, 2013, 5, 2152-2163.	5.6	53
38	Continuously manufactured magnetic polymersomes â€“ a versatile tool (not only) for targeted cancer therapy. Nanoscale, 2013, 5, 11385.	5.6	61
39	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
40	Examining Efficacy of â€œTAT-lessâ€•Delivery of a Peptide against the L-Type Calcium Channel in Cardiac Ischemiaâ€“Reperfusion Injury. ACS Nano, 2013, 7, 2212-2220.	14.6	28
41	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. Neuroscience, 2013, 235, 119-128.	2.3	12
42	The Iron Distribution and Magnetic Properties of Schistosome Eggshells: Implications for Improved Diagnostics. PLoS Neglected Tropical Diseases, 2013, 7, e2219.	3.0	22
43	Diagnostic Performance of a Rapid Magnetic Resonance Imaging Method of Measuring Hepatic Steatosis. PLoS ONE, 2013, 8, e59287.	2.5	10
44	Renal iron load in sickle cell disease is influenced by severity of haemolysis. British Journal of Haematology, 2012, 157, 599-605.	2.5	23
45	Multimodal Analysis of PEI-Mediated Endocytosis of Nanoparticles in Neural Cells. ACS Nano, 2011, 5, 8640-8648.	14.6	83
46	Poly(<i>N</i>-isopropylacrylamide)-Coated Superparamagnetic Iron Oxide Nanoparticles: Relaxometric and Fluorescence Behavior Correlate to Temperature-Dependent Aggregation. Chemistry of Materials, 2011, 23, 3348-3356.	6.7	57
47	The effect of polymer coatings on proton transverse relaxivities of aqueous suspensions of magnetic nanoparticles. Nanotechnology, 2011, 22, 325702.	2.6	37
48	Nuclear Magnetic Resonance: A Tool for Malaria Diagnosis?. American Journal of Tropical Medicine and Hygiene, 2011, 85, 815-817.	1.4	15
49	On T2* Magnetic Resonance and Cardiac Iron. Circulation, 2011, 123, 1519-1528.	1.6	381
50	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
51	Experimental validation of proton transverse relaxivity models for superparamagnetic nanoparticle MRI contrast agents. Nanotechnology, 2010, 21, 035103.	2.6	81
52	Relationship between brain <i>R</i>₂ and liver and serum Iron concentrations in elderly men. Magnetic Resonance in Medicine, 2010, 63, 275-281.	3.0	33
53	1.4T study of proton magnetic relaxation rates, iron concentrations, and plaque burden in Alzheimer's disease and control postmortem brain tissue. Magnetic Resonance in Medicine, 2008, 60, 41-52.	3.0	44
54	Correlation of proton transverse relaxation rates (R2) with iron concentrations in postmortem brain tissue from alzheimer's disease patients. Magnetic Resonance in Medicine, 2007, 57, 172-180.	3.0	94

#	Article	IF	Citations
55	Imaging iron stores in the brain using magnetic resonance imaging. Magnetic Resonance Imaging, 2005, 23, 1-25.	1.8	891
56	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
57	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
58	Three-Dimensional Structure of Greenstone Belts in Western Australia: Implications for Gold Exploration. Exploration Geophysics, 1992, 23, 105-109.	1.1	6