

Akbar Alipour

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

233
citations

1163117

8
h-index

996975

15
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18
all docs

18
docs citations

18
times ranked

424
citing authors

#	ARTICLE	IF	CITATIONS
1	A new class of cubic SPIONs as a dual-mode T1 and T2 contrast agent for MRI. <i>Magnetic Resonance Imaging</i> , 2018, 49, 16-24.	1.8	43
2	Highly monodisperse low-magnetization magnetite nanocubes as simultaneous T1 and T2 MRI contrast agents. <i>Nanoscale</i> , 2015, 7, 10519-10526.	5.6	40
3	Utilizing Multiple BioMEMS Sensors to Monitor Orthopaedic Strain and Predict Bone Fracture Healing. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1873-1880.	2.3	25
4	A temperature sensor implant for active implantable medical devices for in vivo subacute heating tests under MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2824-2832.	3.0	21
5	MRI Conditional Actively Tracked Metallic Electrophysiology Catheters and Guidewires With Miniature Tethered Radio-Frequency Traps: Theory, Design, and Validation. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1616-1627.	4.2	18
6	Development of a distance-independent wireless passive RF resonator sensor and a new telemetric measurement technique for wireless strain monitoring. <i>Sensors and Actuators A: Physical</i> , 2017, 255, 87-93.	4.1	13
7	Improvement of magnetic resonance imaging using a wireless radiofrequency resonator array. <i>Scientific Reports</i> , 2021, 11, 23034.	3.3	13
8	An inductively coupled ultra-thin, flexible, and passive RF resonator for MRI marking and guiding purposes: Clinical feasibility. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 361-370.	3.0	12
9	Evidence of traumatic brain injury in headbutting bovinds. <i>Acta Neuropathologica</i> , 2022, 144, 5-26.	7.7	9
10	Flexible strain sensors based on electrostatically actuated graphene flakes. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 075016.	2.6	8
11	Brain-mimicking phantom for biomechanical validation of motion sensitive MR imaging techniques. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 122, 104680.	3.1	7
12	Intracardiac MR imaging (ICMRI) guiding sheath with amplified expandable tip imaging and MR tracking for navigation and arrhythmia ablation monitoring: Swine testing at 1.5 and 3T. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2885-2900.	3.0	5
13	Design, Construction, and Implementation of a Magnetic Resonance Elastography Actuator for Research Purposes. <i>Current Protocols</i> , 2022, 2, e379.	2.9	5
14	Application of genetic algorithms in fuzzy wavelet neural network for fetal electrocardiogram extraction. <i>International Journal of Medical Engineering and Informatics</i> , 2012, 4, 176.	0.3	4
15	Wireless deep-subwavelength metamaterial enabling sub-mm resolution magnetic resonance imaging. <i>Sensors and Actuators A: Physical</i> , 2018, 274, 211-219.	4.1	4
16	Magnetic Resonance Imaging Assisted by Wireless Passive Implantable Fiducial e-Markers. <i>IEEE Access</i> , 2017, 5, 19693-19702.	4.2	3
17	Fluorescent Heterodoped Nanotetrapods as Synergistically Enhancing Positive and Negative Magnetic Resonance Imaging Contrast Agents. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12352-12359.	8.0	2
18	An endovaginal MRI array with a forward-looking coil for advanced gynecological cancer brachytherapy procedures: design and initial results. <i>Medical Physics</i> , 2021, 48, 7283-7298.	3.0	1