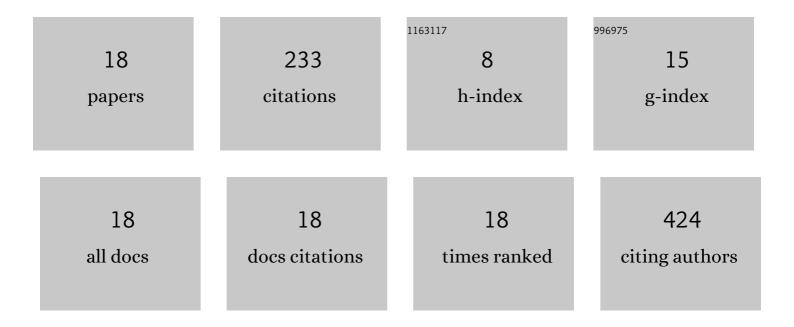
Akbar Alipour

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A new class of cubic SPIONs as a dual-mode T1 and T2 contrast agent for MRI. Magnetic Resonance Imaging, 2018, 49, 16-24.	1.8	43
2	Highly monodisperse low-magnetization magnetite nanocubes as simultaneous <i>T</i> ₁ – <i>T</i> ₂ MRI contrast agents. Nanoscale, 2015, 7, 10519-10526.	5.6	40
3	Utilizing Multiple BioMEMS Sensors to Monitor Orthopaedic Strain and Predict Bone Fracture Healing. Journal of Orthopaedic Research, 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. Magnetic Resonance in Medicine, 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. IEEE Transactions on Biomedical Engineering, 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. Sensors and Actuators A: Physical, 2017, 255, 87-93.	4.1	13
7	Improvement of magnetic resonance imaging using a wireless radiofrequency resonatorÂarray. Scientific Reports, 2021, 11, 23034.	3.3	13
8	An inductively coupled ultraâ€ŧhin, flexible, and passive RF resonator for MRI marking and guiding purposes: Clinical feasibility. Magnetic Resonance in Medicine, 2018, 80, 361-370.	3.0	12
9	Evidence of traumatic brain injury in headbutting bovids. Acta Neuropathologica, 2022, 144, 5-26.	7.7	9
10	Flexible strain sensors based on electrostatically actuated graphene flakes. Journal of Micromechanics and Microengineering, 2015, 25, 075016.	2.6	8
11	Brain-mimicking phantom for biomechanical validation of motion sensitive MR imaging techniques. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 122, 104680.	3.1	7
12	Intracardiac MR imaging (ICMRI) guidingâ€sheath with amplified expandableâ€ŧip imaging and MRâ€ŧracking for navigation and arrythmia ablation monitoring: Swine testing at 1.5 and 3T. Magnetic Resonance in Medicine, 2022, 87, 2885-2900.	3.0	5
13	Design, Construction, and Implementation of a Magnetic Resonance Elastography Actuator for Research Purposes. Current Protocols, 2022, 2, e379.	2.9	5
14	Application of genetic algorithms in fuzzy wavelet neural network for fetal electrocardiogram extraction. International Journal of Medical Engineering and Informatics, 2012, 4, 176.	0.3	4
15	Wireless deep-subwavelength metamaterial enabling sub-mm resolution magnetic resonance imaging. Sensors and Actuators A: Physical, 2018, 274, 211-219.	4.1	4
16	Magnetic Resonance Imaging Assisted by Wireless Passive Implantable Fiducial e-Markers. IEEE Access, 2017, 5, 19693-19702.	4.2	3
17	Fluorescent Heterodoped Nanotetrapods as Synergistically Enhancing Positive and Negative Magnetic Resonance Imaging Contrast Agents. ACS Applied Materials & Interfaces, 2016, 8, 12352-12359.	8.0	2
18	An endovaginal MRI array with a forwardâ€looking coil for advanced gynecological cancer brachytherapy procedures: design and initial results. Medical Physics, 2021, 48, 7283-7298.	3.0	1