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List of Publications by Year
in descending order

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20	200	1307594 7	1058476 14
papers	citations	h-index	g-index

20	20	20	215
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Fast 0.5 T Prepolarizer Module for Preclinical Magnetic Resonance Imaging. IEEE Transactions on Magnetics, 2022, 58, 1-8.	2.1	0
2	Magneto-stimulation limits in medical imaging applications with rapid field dynamics. Physics in Medicine and Biology, 2022, , .	3.0	3
3	Prepolarized MRI of hard tissues and solidâ€state matter. NMR in Biomedicine, 2022, 35, .	2.8	6
4	Simultaneous imaging of hard and soft biological tissues in a low-field dental MRI scanner. Scientific Reports, 2020, 10, 21470.	3.3	14
5	Low-Field Rampable Magnet for a High-Resolution MRI System. IEEE Transactions on Magnetics, 2020, 56, 1-7.	2.1	2
6	High rectification sensitivity of radiofrequency signal through adiabatic stochastic resonance in nanoscale magnetic tunnel junctions. Applied Physics Letters, 2019, 115, .	3.3	5
7	Activation of Microwave Signals in Nanoscale Magnetic Tunnel Junctions by Neuronal Action Potentials. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	1
8	Frequency conversion of microwave signal without direct bias current using nanoscale magnetic tunnel junctions. Scientific Reports, 2019, 9, 828.	3.3	3
9	Modulation and detection of single neuron activity using spin transfer nano-oscillators. , 2017, , .		1
10	Wireless current sensing by near field induction from a spin transfer torque nano-oscillator. Applied Physics Letters, 2016, 108, .	3.3	10
11	Analysis of the Noise Correlation in MRI Coil Arrays Loaded With Metamaterial Magnetoinductive Lenses. IEEE Transactions on Medical Imaging, 2015, 34, 1148-1154.	8.9	6
12	Metamaterial magnetoinductive lens performance as a function of field strength. Journal of Magnetic Resonance, 2014, 247, 9-14.	2.1	24
13	A Broadside-Split-Ring Resonator-Based Coil for MRI at 7 T. IEEE Transactions on Medical Imaging, 2013, 32, 1081-1084.	8.9	12
14	Reduction of noise correlation in magnetic resonance imaging coil arrays with metamaterials. , 2013, , .		0
15	Image acceleration in parallel magnetic resonance imaging by means of metamaterial magnetoinductive lenses. AIP Advances, 2012, 2, .	1.3	7
16	Analysis of the resolution of split-ring metamaterial lenses with application in parallel magnetic resonance imaging. Applied Physics Letters, 2011, 98, .	3.3	30
17	Nonlinear split-ring metamaterial slabs for magnetic resonance imaging. Applied Physics Letters, 2011, 98, .	3.3	45
18	Demonstration of negative refraction of microwaves. American Journal of Physics, 2011, 79, 349-352.	0.7	7

#	Article	IF	Citations
19	Signal-to-noise ratio evaluation in resonant ring metamaterial lenses for MRI applications. New Journal of Physics, 2011, 13, 115006.	2.9	23
20	Ab initio experimental analysis of realistic resonant ring metamaterial lenses. , 2010, , .		1