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List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

200
citations

1307594

7
h-index

1058476

14
g-index

20
all docs

20
docs citations

20
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear split-ring metamaterial slabs for magnetic resonance imaging. Applied Physics Letters, 2011, 98, .	3.3	45
2	Analysis of the resolution of split-ring metamaterial lenses with application in parallel magnetic resonance imaging. Applied Physics Letters, 2011, 98, .	3.3	30
3	Metamaterial magnetoinductive lens performance as a function of field strength. Journal of Magnetic Resonance, 2014, 247, 9-14.	2.1	24
4	Signal-to-noise ratio evaluation in resonant ring metamaterial lenses for MRI applications. New Journal of Physics, 2011, 13, 115006.	2.9	23
5	Simultaneous imaging of hard and soft biological tissues in a low-field dental MRI scanner. Scientific Reports, 2020, 10, 21470.	3.3	14
6	A Broadside-Split-Ring Resonator-Based Coil for MRI at 7 T. IEEE Transactions on Medical Imaging, 2013, 32, 1081-1084.	8.9	12
7	Wireless current sensing by near field induction from a spin transfer torque nano-oscillator. Applied Physics Letters, 2016, 108, .	3.3	10
8	Demonstration of negative refraction of microwaves. American Journal of Physics, 2011, 79, 349-352.	0.7	7
9	Image acceleration in parallel magnetic resonance imaging by means of metamaterial magnetoinductive lenses. AIP Advances, 2012, 2, .	1.3	7
10	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
11	Prepolarized MRI of hard tissues and solidâ€state matter. NMR in Biomedicine, 2022, 35, .	2.8	6
12	High rectification sensitivity of radiofrequency signal through adiabatic stochastic resonance in nanoscale magnetic tunnel junctions. Applied Physics Letters, 2019, 115, .	3.3	5
13	Frequency conversion of microwave signal without direct bias current using nanoscale magnetic tunnel junctions. Scientific Reports, 2019, 9, 828.	3.3	3
14	Magneto-stimulation limits in medical imaging applications with rapid field dynamics. Physics in Medicine and Biology, 2022, , .	3.0	3
15	Low-Field Rampable Magnet for a High-Resolution MRI System. IEEE Transactions on Magnetics, 2020, 56, 1-7.	2.1	2
16	Ab initio experimental analysis of realistic resonant ring metamaterial lenses. , 2010, , .		1
17	Activation of Microwave Signals in Nanoscale Magnetic Tunnel Junctions by Neuronal Action Potentials. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	1
18	Modulation and detection of single neuron activity using spin transfer nano-oscillators. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Reduction of noise correlation in magnetic resonance imaging coil arrays with metamaterials. , 2013, ,		0
20	A Fast 0.5 T Prepolarizer Module for Preclinical Magnetic Resonance Imaging. IEEE Transactions on Magnetics, 2022, 58, 1-8.	2.1	0