

William M Robertson

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

206
citations

1307594

7
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosensing using surface electromagnetic waves in photonic band gap multilayers. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 79-84.	7.8	73
2	Compact acoustic bandgap material based on a subwavelength collection of detuned Helmholtz resonators. <i>Journal of Applied Physics</i> , 2011, 109, 114903.	2.5	32
3	Leaky Bloch-like surface waves in the radiation-continuum for sensitivity enhanced biosensors via azimuthal interrogation. <i>Scientific Reports</i> , 2017, 7, 3233.	3.3	25
4	Excitation of Bloch-like surface waves in quasi-crystals and aperiodic dielectric multilayers. <i>Optics Letters</i> , 2016, 41, 2915.	3.3	16
5	Experimental realization of extraordinary acoustic transmission using Helmholtz resonators. <i>AIP Advances</i> , 2015, 5, .	1.3	14
6	Extraordinary acoustic transmission mediated by Helmholtz resonators. <i>AIP Advances</i> , 2014, 4, .	1.3	12
7	Slow light by Bloch surface wave tunneling. <i>Optics Express</i> , 2014, 22, 15679.	3.4	8
8	Metamaterial inspired antenna design for massive MIMO, 5G communications system. , 2017, , .		8
9	Loop filters as resonant elements for acoustic metamaterials and stop band structures. <i>Journal of Applied Physics</i> , 2013, 113, 124903.	2.5	5
10	Design and characterization of an ultra-low-cost 3D-printed optical sensor based on Bloch surface wave resonance. <i>Biosensors and Bioelectronics: X</i> , 2020, 5, 100049.	1.7	4
11	Acoustic waveguide impedance matching via Helmholtz resonator mediated extraordinary acoustic transmission. <i>AIP Advances</i> , 2019, 9, .	1.3	3
12	Acoustic waveguide demultiplexer based on Fano resonance: Experiment and simulation. <i>AIP Advances</i> , 2022, 12, 045018.	1.3	3
13	Acoustic ring resonator: Experiments and simulations. <i>AIP Advances</i> , 2022, 12, .	1.3	2
14	Bloch-like surface waves in Fibonacci quasi-crystals and Thue-Morse aperiodic dielectric multilayers. , 2016, , .		1