

# William M Robertson

## List of Publications by Year in descending order

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