

Farzad Zangeneh-Nejad

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,208
citations

516215

16
h-index

642321

23
g-index

26
all docs

26
docs citations

26
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Analogue computing with metamaterials. <i>Nature Reviews Materials</i> , 2021, 6, 207-225.	23.3	193
2	Nonreciprocal Manipulation of Subwavelength Fields in Locally Resonant Metamaterial Crystals. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 1726-1732.	3.1	2
3	Zero-Index Weyl Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 054301.	2.9	20
4	Experimental observation of the acoustic Z2 Weyl semimetallic phase in synthetic dimensions. <i>Physical Review B</i> , 2020, 102, .	1.1	10
5	Disorder-Induced Signal Filtering with Topological Metamaterials. <i>Advanced Materials</i> , 2020, 32, e2001034.	11.1	43
6	Topological wave insulators: a review. <i>Comptes Rendus Physique</i> , 2020, 21, 467-499.	0.3	18
7	Topological optomechanically induced transparency. <i>Optics Letters</i> , 2020, 45, 5966.	1.7	10
8	Acoustic rat-race coupler and its applications in non-reciprocal systems. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 843-849.	0.5	7
9	Nonlinear Second-Order Topological Insulators. <i>Physical Review Letters</i> , 2019, 123, 053902.	2.9	121
10	Acoustic birefringence via non-Eulerian metamaterials. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	6
11	Topological analog signal processing. <i>Nature Communications</i> , 2019, 10, 2058.	5.8	109
12	Active times for acoustic metamaterials. <i>Reviews in Physics</i> , 2019, 4, 100031.	4.4	119
13	Topological Fano Resonances. <i>Physical Review Letters</i> , 2019, 122, 014301.	2.9	129
14	Analog optical computing by half-wavelength slabs. <i>Optics Communications</i> , 2018, 407, 338-343.	1.0	37
15	Doppler-Based Acoustic Gyrotator. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1083.	1.3	29
16	Performing mathematical operations using high-index acoustic metamaterials. <i>New Journal of Physics</i> , 2018, 20, 073001.	1.2	46
17	Acoustic Analogues of High-Index Optical Waveguide Devices. <i>Scientific Reports</i> , 2018, 8, 10401.	1.6	23
18	Spatial integration by a dielectric slab and its planar graphene-based counterpart. <i>Optics Letters</i> , 2017, 42, 1954.	1.7	45

#	ARTICLE	IF	CITATIONS
19	Hybrid graphene-molybdenum disulphide based ring resonator for label-free sensing. Optics Communications, 2016, 371, 9-14.	1.0	18
20	A Graphene-Based THz Ring Resonator for Label-Free Sensing. IEEE Sensors Journal, 2016, 16, 4338-4344.	2.4	62
21	Significant enhancement in the efficiency of photoconductive antennas using a hybrid graphene molybdenum disulphide structure. Journal of Nanophotonics, 2016, 10, 036005.	0.4	26
22	Analog computing by Brewster effect. Optics Letters, 2016, 41, 3467.	1.7	120
23	Beam focusing using two-dimensional graphene-based meta-reflect-array. , 2016, , .		2
24	Temperature dependance of elctromagnetic radiation from terahertz photoconductive antennas. Microwave and Optical Technology Letters, 2015, 57, 2475-2479.	0.9	6
25	A tunable high-impedance THz antenna array. , 2015, , .		6
26	Graphene-based archimedean spiral THz antenna. , 2014, , .		1