

# Farzad Zangeneh-Nejad

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1414873/publications.pdf>

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	Topological Fano Resonances. <i>Physical Review Letters</i> , 2019, 122, 014301.	2.9	129
3	Nonlinear Second-Order Topological Insulators. <i>Physical Review Letters</i> , 2019, 123, 053902.	2.9	121
4	Analog computing by Brewster effect. <i>Optics Letters</i> , 2016, 41, 3467.	1.7	120
5	Active times for acoustic metamaterials. <i>Reviews in Physics</i> , 2019, 4, 100031.	4.4	119
6	Topological analog signal processing. <i>Nature Communications</i> , 2019, 10, 2058.	5.8	109
7	A Graphene-Based THz Ring Resonator for Label-Free Sensing. <i>IEEE Sensors Journal</i> , 2016, 16, 4338-4344.	2.4	62
8	Performing mathematical operations using high-index acoustic metamaterials. <i>New Journal of Physics</i> , 2018, 20, 073001.	1.2	46
9	Spatial integration by a dielectric slab and its planar graphene-based counterpart. <i>Optics Letters</i> , 2017, 42, 1954.	1.7	45
10	Disorder-Induced Signal Filtering with Topological Metamaterials. <i>Advanced Materials</i> , 2020, 32, e2001034.	11.1	43
11	Analog optical computing by half-wavelength slabs. <i>Optics Communications</i> , 2018, 407, 338-343.	1.0	37
12	Doppler-Based Acoustic Gyration. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1083.	1.3	29
13	Significant enhancement in the efficiency of photoconductive antennas using a hybrid graphene molybdenum disulphide structure. <i>Journal of Nanophotonics</i> , 2016, 10, 036005.	0.4	26
14	Acoustic Analogues of High-Index Optical Waveguide Devices. <i>Scientific Reports</i> , 2018, 8, 10401.	1.6	23
15	Zero-Index Weyl Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 054301.	2.9	20
16	Hybrid graphene-molybdenum disulphide based ring resonator for label-free sensing. <i>Optics Communications</i> , 2016, 371, 9-14.	1.0	18
17	Topological wave insulators: a review. <i>Comptes Rendus Physique</i> , 2020, 21, 467-499.	0.3	18
18	Experimental observation of the acoustic Z <sub>2</sub> Weyl semimetallic phase in synthetic dimensions. <i>Physical Review B</i> , 2020, 102, .	1.1	10

#	ARTICLE	IF	CITATIONS
19	Topological optomechanically induced transparency. Optics Letters, 2020, 45, 5966.	1.7	10
20	Acoustic rat-race coupler and its applications in non-reciprocal systems. Journal of the Acoustical Society of America, 2019, 146, 843-849.	0.5	7
21	Temperature dependance of elctromagnetic radiation from terahertz photoconductive antennas. Microwave and Optical Technology Letters, 2015, 57, 2475-2479.	0.9	6
22	A tunable high-impedance THz antenna array. , 2015, , .		6
23	Acoustic birefringence via non-Eulerian metamaterials. Journal of Applied Physics, 2019, 126, .	1.1	6
24	Beam focusing using two-dimensional graphene-based meta-reflect-array. , 2016, , .		2
25	Nonreciprocal Manipulation of Subwavelength Fields in Locally Resonant Metamaterial Crystals. IEEE Transactions on Antennas and Propagation, 2020, 68, 1726-1732.	3.1	2
26	Graphene-based archimedean spiral THz antenna. , 2014, , .		1