

Shaghik Atakaramians

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

1,086
citations

14
h-index

32
g-index

72
ext. papers

1,344
ext. citations

4.4
avg, IF

4.03
L-index

#	Paper	IF	Citations
38	Compact terahertz birefringent gratings for dispersion compensation.. <i>Optics Express</i> , 2022 , 30, 8794-8803		0
37	3D-Printed Terahertz Topological Waveguides. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100252	6.8	4
36	Terahertz Waveguide: 3D-Printed Terahertz Topological Waveguides (Adv. Mater. Technol. 7/2021). <i>Advanced Materials Technologies</i> , 2021 , 6, 2170040	6.8	
35	Meandering Pattern 433 MHz Antennas for Ingestible Capsules. <i>IEEE Access</i> , 2021 , 9, 91874-91882	3.5	5
34	Broadband Single-Mode Hybrid Photonic Crystal Waveguides for Terahertz Integration on a Chip. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000117	6.8	11
33	Realization of a Single-Layer Terahertz Magnetic Mirror. <i>IEEE Access</i> , 2020 , 8, 229108-229116	3.5	0
32	Terahertz Waveguides: Broadband Single-Mode Hybrid Photonic Crystal Waveguides for Terahertz Integration on a Chip (Adv. Mater. Technol. 7/2020). <i>Advanced Materials Technologies</i> , 2020 , 5, 2070039	6.8	1
31	Ultra-wideband tri-layer transmissive linear polarization converter for terahertz waves. <i>APL Photonics</i> , 2020 , 5, 046101	5.2	20
30	Radiated and guided optical waves of a magnetic dipole-nanofiber system. <i>Scientific Reports</i> , 2019 , 9, 3568	4.9	2
29	Analysis of a hyperprism for exciting high-k modes and subdiffraction imaging. <i>Physical Review B</i> , 2019 , 100,	3.3	4
28	Enhanced terahertz magnetic dipole response by subwavelength fiber. <i>APL Photonics</i> , 2018 , 3, 051701	5.2	4
27	Dipole-fiber system: from single photon source to metadevices. <i>Frontiers of Optoelectronics</i> , 2018 , 11, 30-36	2.8	
26	Terahertz polarization-maintaining subwavelength filters. <i>Optics Express</i> , 2018 , 26, 25617-25629	3.3	10
25	Preface to Special Topic: Frontiers on THz photonic devices. <i>APL Photonics</i> , 2018 , 3, 051501	5.2	1
24	A prism based magnifying hyperlens with broad-band imaging. <i>Applied Physics Letters</i> , 2017 , 110, 101106	5.4	15
23	Fiber-Drawn Metamaterial for THz Waveguiding and Imaging. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017 , 38, 1162-1178	2.2	14
22	Linearly polarized single TM mode terahertz waveguide. <i>Optics Letters</i> , 2016 , 41, 4004-7	3	12

21	Flexible single-mode hollow-core terahertz fiber with metamaterial cladding. <i>Optica</i> , 2016 , 3, 941	8.6	42
20	Compact air-cavity resonators within a metamaterial waveguide. <i>Optics Letters</i> , 2016 , 41, 3379-82	3	1
19	In silico investigation of factors affecting the MV imaging performance of a novel water-equivalent EPID. <i>Physica Medica</i> , 2016 , 32, 1819-1826	2.7	4
18	WE-DE-BRA-06: Evaluation of the Imaging Performance of a Novel Water-Equivalent EPID. <i>Medical Physics</i> , 2016 , 43, 3813-3813	4.4	1
17	Strong Magnetic Response of Optical Nanofibers. <i>ACS Photonics</i> , 2016 , 3, 972-978	6.3	13
16	Removing image artefacts in wire array metamaterials. <i>Optics Express</i> , 2016 , 24, 17989-8002	3.3	4
15	Hollow-core uniaxial metamaterial clad fibers with dispersive metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 851	1.7	27
14	Terahertz dielectric waveguides. <i>Advances in Optics and Photonics</i> , 2013 , 5, 169	16.7	193
13	Spatial dispersion in three-dimensional drawn magnetic metamaterials. <i>Optics Express</i> , 2012 , 20, 11924-35	3.5	11
12	Hollow-core waveguides with uniaxial metamaterial cladding: modal equations and guidance conditions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 2462	1.7	33
11	Fiber-drawn double split ring resonators in the terahertz range. <i>Optical Materials Express</i> , 2012 , 2, 1254	2.6	24
10	Direct probing of evanescent field for characterization of porous terahertz fibers. <i>Applied Physics Letters</i> , 2011 , 98, 121104	3.4	36
9	Experimental investigation of dispersion properties of THz porous fibers 2009 ,		3
8	Low loss, low dispersion and highly birefringent terahertz porous fibers. <i>Optics Communications</i> , 2009 , 282, 36-38	2	77
7	THz porous fibers: design, fabrication and experimental characterization. <i>Optics Express</i> , 2009 , 17, 14053-5062	3.5	170
6	Cleaving of Extremely Porous Polymer Fibers. <i>IEEE Photonics Journal</i> , 2009 , 1, 286-292	1.8	29
5	Porous fibers: a novel approach to low loss THz waveguides. <i>Optics Express</i> , 2008 , 16, 8845-54	3.3	149
4	T-ray sensing and imaging. <i>Proceedings of the IEEE</i> , 2007 , 95, 1528-1558	14.3	121

- 3 Terahertz Waveguides and Materials **2006**, 2
- 2 Microwire fibers for low-loss THz transmission **2006**, 5
- 1 Transmission line formulation for the full-wave analysis of two-dimensional dielectric photonic crystals. *IET Science, Measurement and Technology*, **2004**, 151, 327-334 37