Shaghik Atakaramians

List of Publications by Citations

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	Terahertz dielectric waveguides. *Advances in Optics and Photonics*, **2013**, 5, 169	16.7	193
37	THz porous fibers: design, fabrication and experimental characterization. *Optics Express*, **2009**, 17, 14053-5062	3.5	170
36	Porous fibers: a novel approach to low loss THz waveguides. *Optics Express*, **2008**, 16, 8845-54	3.3	149
35	T-ray sensing and imaging. *Proceedings of the IEEE*, **2007**, 95, 1528-1558	14.3	121
34	Low loss, low dispersion and highly birefringent terahertz porous fibers. *Optics Communications*, **2009**, 282, 36-38	2	77
33	Flexible single-mode hollow-core terahertz fiber with metamaterial cladding. *Optica*, **2016**, 3, 941	8.6	42
32	Transmission line formulation for the full-wave analysis of two-dimensional dielectric photonic crystals. *IET Science, Measurement and Technology*, **2004**, 151, 327-334		37
31	Direct probing of evanescent field for characterization of porous terahertz fibers. *Applied Physics Letters*, **2011**, 98, 121104	3.4	36
30	Hollow-core waveguides with uniaxial metamaterial cladding: modal equations and guidance conditions. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 2462	1.7	33
29	Cleaving of Extremely Porous Polymer Fibers. *IEEE Photonics Journal*, **2009**, 1, 286-292	1.8	29
28	Hollow-core uniaxial metamaterial clad fibers with dispersive metamaterials. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 851	1.7	27
27	Fiber-drawn double split ring resonators in the terahertz range. *Optical Materials Express*, **2012**, 2, 1254	2.6	24
26	Ultra-wideband tri-layer transmissive linear polarization converter for terahertz waves. *APL Photonics*, **2020**, 5, 046101	5.2	20
25	A prism based magnifying hyperlens with broad-band imaging. *Applied Physics Letters*, **2017**, 110, 101106	3.4	15
24	Fiber-Drawn Metamaterial for THz Waveguiding and Imaging. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2017**, 38, 1162-1178	2.2	14
23	Strong Magnetic Response of Optical Nanofibers. *ACS Photonics*, **2016**, 3, 972-978	6.3	13
22	Linearly polarized single TM mode terahertz waveguide. *Optics Letters*, **2016**, 41, 4004-7	3	12

21	Broadband Single-Mode Hybrid Photonic Crystal Waveguides for Terahertz Integration on a Chip. *Advanced Materials Technologies*, **2020**, 5, 2000117	6.8	11
20	Spatial dispersion in three-dimensional drawn magnetic metamaterials. *Optics Express*, **2012**, 20, 11924-3353	3.3	11
19	Terahertz polarization-maintaining subwavelength filters. *Optics Express*, **2018**, 26, 25617-25629	3.3	10
18	Microwire fibers for low-loss THz transmission **2006**,		5
17	Meandering Pattern 433 MHz Antennas for Ingestible Capsules. *IEEE Access*, **2021**, 9, 91874-91882	3.5	5
16	Enhanced terahertz magnetic dipole response by subwavelength fiber. *APL Photonics*, **2018**, 3, 051701	5.2	4
15	In silico investigation of factors affecting the MV imaging performance of a novel water-equivalent EPID. *Physica Medica*, **2016**, 32, 1819-1826	2.7	4
14	Analysis of a hyperprism for exciting high-k modes and subdiffraction imaging. *Physical Review B*, **2019**, 100,	3.3	4
13	3D-Printed Terahertz Topological Waveguides. *Advanced Materials Technologies*, **2021**, 6, 2100252	6.8	4
12	Removing image artefacts in wire array metamaterials. *Optics Express*, **2016**, 24, 17989-8002	3.3	4
11	Experimental investigation of dispersion properties of THz porous fibers **2009**,		3
10	Radiated and guided optical waves of a magnetic dipole-nanofiber system. *Scientific Reports*, **2019**, 9, 3568	4.9	2
9	Terahertz Waveguides and Materials **2006**,		2
8	Compact air-cavity resonators within a metamaterial waveguide. *Optics Letters*, **2016**, 41, 3379-82	3	1
7	WE-DE-BRA-06: Evaluation of the Imaging Performance of a Novel Water-Equivalent EPID. *Medical Physics*, **2016**, 43, 3813-3813	4.4	1
6	Terahertz Waveguides: Broadband Single-Mode Hybrid Photonic Crystal Waveguides for Terahertz Integration on a Chip (Adv. Mater. Technol. 7/2020). *Advanced Materials Technologies*, **2020**, 5, 2070039	6.8	1
5	Preface to Special Topic: Frontiers on THz photonic devices. *APL Photonics*, **2018**, 3, 051501	5.2	1
4	Realization of a Single-Layer Terahertz Magnetic Mirror. *IEEE Access*, **2020**, 8, 229108-229116	3.5	0

3	Compact terahertz birefringent gratings for dispersion compensation.. *Optics Express*, **2022**, 30, 8794-8803	3.9	0
2	Dipole-fiber system: from single photon source to metadevices. *Frontiers of Optoelectronics*, **2018**, 11, 30-36	2.8	
1	Terahertz Waveguide: 3D-Printed Terahertz Topological Waveguides (Adv. Mater. Technol. 7/2021). *Advanced Materials Technologies*, **2021**, 6, 2170040	6.8	