

Zeki Hayran

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

263
citations

933447

10
h-index

1058476

14
g-index

31
all docs

31
docs citations

31
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Mid-infrared T-shaped photonic crystal waveguide for optical refractive index sensing. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 765-773.	7.8	44
2	All-Dielectric Self-Cloaked Structures. <i>ACS Photonics</i> , 2018, 5, 2068-2073.	6.6	24
3	Capturing Broadband Light in a Compact Bound State in the Continuum. <i>ACS Photonics</i> , 2021, 8, 813-823.	6.6	24
4	Polarization independent high transmission large numerical aperture laser beam focusing and deflection by dielectric Huygens [™] metasurfaces. <i>Optics Communications</i> , 2017, 401, 46-53.	2.1	23
5	Rainbow trapping in a chirped three-dimensional photonic crystal. <i>Scientific Reports</i> , 2017, 7, 3046.	3.3	23
6	Invisibility on demand based on a generalized Hilbert transform. <i>Physical Review A</i> , 2018, 98, .	2.5	23
7	Spectral causality and the scattering of waves. <i>Optica</i> , 2021, 8, 1040.	9.3	23
8	Directionality fields generated by a local Hilbert transform. <i>Physical Review A</i> , 2018, 97, .	2.5	20
9	Numerical and experimental demonstration of a wavelength demultiplexer design by point-defect cavity coupled to a tapered photonic crystal waveguide. <i>Optics Letters</i> , 2016, 41, 119.	3.3	15
10	Manipulation of photonic nanojet using liquid crystals for elliptical and circular core-shell variations. <i>Journal of Modern Optics</i> , 2017, 64, 1566-1577.	1.3	12
11	Focusing of light beyond the diffraction limit by randomly distributed graded index photonic medium. <i>Journal of Applied Physics</i> , 2016, 120, 243102.	2.5	9
12	Topologically protected broadband rerouting of propagating waves around complex objects. <i>Nanophotonics</i> , 2019, 8, 1371-1378.	6.0	9
13	Physical limitations on broadband invisibility based on fast-light media. <i>Nature Communications</i> , 2021, 12, 3041.	12.8	5
14	Target detection and ranging with the 2.4 GHz MIT Coffee Can radar. , 2014, , .		4
15	Laser nanolithography and pyrolysis of SZ2080 hybrid for slowing light in 3D photonic crystals. , 2017, , .		3
16	Stopped microwave-rainbow in 3D chirped photonic crystals. , 2017, , .		1
17	Theoretical and experimental investigations of efficient light coupling with spatially varied all dielectric striped waveguides. <i>Journal of Applied Physics</i> , 2017, 122, 033101.	2.5	1
18	Sub-wavelength light focusing with random photonic medium. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Tunable wavelength-demultiplexer by tapered photonic crystal waveguide. , 2015, , .		0
20	Slow light enabled wavelength demultiplexing. , 2016, , .		0
21	Light localization in chirped woodpile photonic crystals. , 2016, , .		0
22	Nanostructures for highly efficient infrared detection. Proceedings of SPIE, 2017, , .	0.8	0
23	Enhanced cavity-waveguide interaction in three-dimensional photonic crystals. , 2017, , .		0
24	Guided-mode resonance based multicolor germanium infrared photodetector. , 2017, , .		0
25	Wave analysis of bio-inspired eye structures for infrared detection. , 2017, , .		0
26	Light localization and filtering in three dimensional photonic structures. , 2017, , .		0
27	Management of Light Patterns Based on Local Hilbert Transform. , 2018, , .		0
28	Cloaking on Demand Based on Scattering Cancelation. , 2018, , .		0
29	Directionality Fields Generated by a Local Hilbert Transform in Optics. , 2019, , .		0
30	Controlling the Spectral Flow of Light in Non-Hermitian Photonic Time Crystals. , 2021, , .		0
31	Temporally Modulated Non-Hermitian Optical Systems Based on Epsilon-Near-Zero Media. , 2020, , .		0