Zeki Hayran

List of Publications by Year
in descending order

31	263	933447 10	1058476 14
papers	citations	h-index	g-index

31	31	31	311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Capturing Broadband Light in a Compact Bound State in the Continuum. ACS Photonics, 2021, 8, 813-823.	6.6	24
2	Physical limitations on broadband invisibility based on fast-light media. Nature Communications, 2021, 12, 3041.	12.8	5
3	Spectral causality and the scattering of waves. Optica, 2021, 8, 1040.	9.3	23
4	Controlling the Spectral Flow of Light in Non-Hermitian Photonic Time Crystals. , 2021, , .		0
5	Temporally Modulated Non-Hermitian Optical Systems Based on Epsilon-Near-Zero Media. , 2020, , .		0
6	Topologically protected broadband rerouting of propagating waves around complex objects. Nanophotonics, 2019, 8, 1371-1378.	6.0	9
7	Directionality Fields Generated by a Local Hilbert Transform in Optics. , 2019, , .		0
8	Directionality fields generated by a local Hilbert transform. Physical Review A, 2018, 97, .	2.5	20
9	All-Dielectric Self-Cloaked Structures. ACS Photonics, 2018, 5, 2068-2073.	6.6	24
10	Management of Light Patterns Based on Local Hilbert Transform. , 2018, , .		0
11	Cloaking on Demand Based on Scattering Cancelation. , 2018, , .		0
12	Invisibility on demand based on a generalized Hilbert transform. Physical Review A, 2018, 98, .	2.5	23
13	Nanostructures for highly efficient infrared detection. Proceedings of SPIE, 2017, , .	0.8	0
14	Mid-infrared T-shaped photonic crystal waveguide for optical refractive index sensing. Sensors and Actuators B: Chemical, 2017, 245, 765-773.	7.8	44
15	Enhanced cavity-waveguide interaction in three-dimensional photonic crystals. , 2017, , .		0
16	Polarization independent high transmission large numerical aperture laser beam focusing and deflection by dielectric Huygensâ€™ metasurfaces. Optics Communications, 2017, 401, 46-53.	2.1	23
17	Stopped microwave-rainbow in 3D chirped photonic crystals. , 2017, , .		1
18	Manipulation of photonic nanojet using liquid crystals for elliptical and circular core-shell variations. Journal of Modern Optics, 2017, 64, 1566-1577.	1.3	12

#	Article	IF	Citations
19	Laser nanolithography and pyrolysis of SZ2080 hybrid for slowing light in 3D photonic crystals. , 2017, , .		3
20	Guided-mode resonance based multicolor germanium infrared photodetector. , 2017, , .		0
21	Theoretical and experimental investigations of efficient light coupling with spatially varied all dielectric striped waveguides. Journal of Applied Physics, 2017, 122, 033101.	2.5	1
22	Rainbow trapping in a chirped three-dimensional photonic crystal. Scientific Reports, 2017, 7, 3046.	3.3	23
23	Wave analysis of bio-inspired eye structures for infrared detection. , 2017, , .		0
24	Light localization and filtering | in three dimensional photonic structures. , 2017, , .		0
25	Focusing of light beyond the diffraction limit by randomly distributed graded index photonic medium. Journal of Applied Physics, 2016, 120, 243102.	2.5	9
26	Slow light enabled wavelength demultiplexing. , 2016, , .		0
27	Light localization in chirped woodpile photonic crystals. , 2016, , .		0
28	Numerical and experimental demonstration of a wavelength demultiplexer design by point-defect cavity coupled to a tapered photonic crystal waveguide. Optics Letters, 2016, 41, 119.	3.3	15
29	Sub-wavelength light focusing with random photonic medium. , 2015, , .		0
30	Tunable wavelength-demultiplexer by tapered photonic crystal waveguide. , 2015, , .		0
31	Target detection and ranging with the 2.4 GHz MIT Coffee Can radar. , 2014, , .		4