

Saman Jahani

List of Publications by Year in descending order

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29
papers

2,074
citations

840585

11
h-index

887953

17
g-index

29
all docs

29
docs citations

29
times ranked

2873
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal walk-off induced dissipative quadratic solitons. Nature Photonics, 2022, 16, 162-168.	15.6	14
2	Intense optical parametric amplification in dispersion-engineered nanophotonic lithium niobate waveguides. Optica, 2022, 9, 303.	4.8	49
3	100 dB/cm broadband optical parametric amplification in dispersion engineered nanophotonic lithium niobate waveguides. , 2021, , .		5
4	Walk-off Induced Dissipative Quadratic Solitons in Degenerate Optical Parametric Oscillators. , 2021, , .		0
5	Wavelength-scale optical parametric oscillators. Optica, 2021, 8, 262.	4.8	12
6	Enhancing the performance of superconducting nanowire-based detectors with high-filling factor by using variable thickness. Superconductor Science and Technology, 2021, 34, 035010.	1.8	14
7	Spectral phase transitions in optical parametric oscillators. Nature Communications, 2021, 12, 835.	5.8	29
8	Two-dimensional extreme skin depth engineering for CMOS photonics. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1307.	0.9	7
9	Nondissipative non-Hermitian dynamics and exceptional points in coupled optical parametric oscillators. Optica, 2021, 8, 415.	4.8	27
10	Probabilistic vortex crossing criterion for superconducting nanowire single-photon detectors. Journal of Applied Physics, 2020, 127, .	1.1	4
11	Mie Resonance Engineering in Meta-Shell Supraparticles for Nanoscale Nonlinear Optics. ACS Nano, 2020, 14, 17203-17212.	7.3	19
12	Observation of second-order spectral phase transition in optical parametric oscillator. , 2020, , .		0
13	Optical Parametric Oscillation in Dielectric Multipolar Nanostructures. , 2020, , .		0
14	Demonstration of Two-Dimensional Extreme Skin Depth Engineering in CMOS Photonics Foundry. , 2020, , .		0
15	Light confinement in low-index particles with all-dielectric anisotropic metamaterial shell (Conference Presentation). , 2020, , .		0
16	Non-resonant Enhancement of Second-Harmonic Generation in a Dielectric Particle with a Nanostructured Nonlinear Metamaterial Shell. , 2019, , .		0
17	Spin photonic forces in non-reciprocal waveguides. Optics Express, 2018, 26, 23898.	1.7	11
18	Controlling evanescent waves using silicon photonic all-dielectric metamaterials for dense integration. Nature Communications, 2018, 9, 1893.	5.8	140

#	ARTICLE	IF	CITATIONS
19	Switching Purcell effect with nonlinear epsilon-near-zero media. Applied Physics Letters, 2018, 113, 021103.	1.5	9
20	High-Density Photonic Chip with All-Dielectric Metamaterials. , 2018, , .		1
21	Photonic skin-depth engineering: universal spin-momentum locking of light (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5		
22	All-dielectric metamaterials. Nature Nanotechnology, 2016, 11, 23-36.	15.6	1,556
23	Breakthroughs in Photonics 2014: Relaxed Total Internal Reflection. IEEE Photonics Journal, 2015, 7, 1-5.	1.0	9
24	Photonic skin-depth engineering. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1346.	0.9	24
25	Transparent subdiffraction optics: nanoscale light confinement without metal. , 2015, , .		0
26	Transparent sub-diffraction Optics: Nanoscale light confinement without metal. , 2014, , .		2
27	Transparent subdiffraction optics: nanoscale light confinement without metal. Optica, 2014, 1, 96.	4.8	102
28	Transformed Cladding Waveguides: Confining Light with All-Dielectric Metamaterials. , 2013, , .		0
29	Miniaturization of Circular Patch Antennas Using MNG Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1194-1196.	2.4	40