

Haim Suchowski

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.

20
papers

560
citations

9
h-index

23
g-index

24
ext. papers

762
ext. citations

8.3
avg, IF

4.1
L-index

#	Paper	IF	Citations
20	Machine learning for nanophotonics. <i>MRS Bulletin</i> , 2020 , 45, 221-229	3.2	8
19	Near-Infrared Tunable Surface Lattice Induced Transparency in a Plasmonic Metasurface. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900204	8.3	7
18	Multicolor Time-Resolved Upconversion Imaging by Adiabatic Sum Frequency Conversion. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000040	8.3	9
17	Spectral Interferometric Microscopy for Fast and Broadband Phase Characterization. <i>Advanced Optical Materials</i> , 2020 , 8, 2000326	8.1	3
16	Detuning-modulated composite pulses for high-fidelity robust quantum control. <i>Physical Review A</i> , 2019 , 100,	2.6	5
15	Transient exciton-polariton dynamics in WSe by ultrafast near-field imaging. <i>Science Advances</i> , 2019 , 5, eaat9618	14.3	38
14	Polarization-controlled coherent phonon generation in acoustoplasmonic metasurfaces. <i>Physical Review B</i> , 2018 , 97,	3.3	11
13	Ultrafast near-field dynamics of exciton-polariton in WSe2 at room temperature 2018 ,		1
12	A quantum retrograde canon: complete population inversion in 2-state systems. <i>New Journal of Physics</i> , 2018 , 20, 043021	2.9	0
11	Plasmonic nanostructure design and characterization via Deep Learning. <i>Light: Science and Applications</i> , 2018 , 7, 60	16.7	237
10	Composite pulses in N-level systems with SU(2) symmetry and their geometrical representation on the Majorana sphere. <i>Journal of Chemical Physics</i> , 2018 , 148, 074101	3.9	2
9	Generation and multi-octave shaping of mid-infrared intense single-cycle pulses. <i>Nature Photonics</i> , 2017 , 11, 222-226	33.9	69
8	Low-loss and energy efficient modulation in silicon photonic waveguides by adiabatic elimination scheme. <i>Applied Physics Letters</i> , 2017 , 111, 033105	3.4	2
7	Nonlinear Surface Lattice Resonance in Plasmonic Nanoparticle Arrays. <i>Physical Review Letters</i> , 2017 , 118, 243904	7.4	71
6	Broadband photon pair generation at $3\sqrt{2}$. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	5
5	Ultrafast acousto-plasmonic control and sensing in complex nanostructures. <i>Nature Communications</i> , 2014 , 5, 4042	17.4	59
4	Hidden two-qubit dynamics of a four-level Josephson circuit. <i>Nature Communications</i> , 2014 , 5, 5617	17.4	18

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| 3 | Pythagorean coupling: Complete population transfer in a four-state system. <i>Physical Review A</i> , 2011 , 84, | 2.6 | 14 |
| 2 | Coupled Molecular Emitters in Superstructures Interact with Plasmonic Nanoparticles. <i>Advanced Photonics Research</i> ,2100334 | 1.9 | |
| 1 | Unlocking Coherent Control of Ultrafast Plasmonic Interaction. <i>Laser and Photonics Reviews</i> ,2100467 | 8.3 | 1 |