Haim Suchowski

List of Publications by Citations

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	Plasmonic nanostructure design and characterization via Deep Learning. *Light: Science and Applications*, **2018**, 7, 60	16.7	237
19	Nonlinear Surface Lattice Resonance in Plasmonic Nanoparticle Arrays. *Physical Review Letters*, **2017**, 118, 243904	7.4	71
18	Generation and multi-octave shaping of mid-infrared intense single-cycle pulses. *Nature Photonics*, **2017**, 11, 222-226	33.9	69
17	Ultrafast acousto-plasmonic control and sensing in complex nanostructures. *Nature Communications*, **2014**, 5, 4042	17.4	59
16	Transient exciton-polariton dynamics in WSe by ultrafast near-field imaging. *Science Advances*, **2019**, 5, eaat9618	14.3	38
15	Hidden two-qubit dynamics of a four-level Josephson circuit. *Nature Communications*, **2014**, 5, 5617	17.4	18
14	Pythagorean coupling: Complete population transfer in a four-state system. *Physical Review A*, **2011**, 84,	2.6	14
13	Polarization-controlled coherent phonon generation in acoustoplasmonic metasurfaces. *Physical Review B*, **2018**, 97,	3.3	11
12	Multicolor Time-Resolved Upconversion Imaging by Adiabatic Sum Frequency Conversion. *Laser and Photonics Reviews*, **2020**, 14, 2000040	8.3	9
11	Machine learning for nanophotonics. *MRS Bulletin*, **2020**, 45, 221-229	3.2	8
10	Near-Infrared Tunable Surface Lattice Induced Transparency in a Plasmonic Metasurface. *Laser and Photonics Reviews*, **2020**, 14, 1900204	8.3	7
9	Detuning-modulated composite pulses for high-fidelity robust quantum control. *Physical Review A*, **2019**, 100,	2.6	5
8	Broadband photon pair generation at 3⁄2. *Applied Physics B: Lasers and Optics*, **2016**, 122, 1	1.9	5
7	Spectral Interferometric Microscopy for Fast and Broadband Phase Characterization. *Advanced Optical Materials*, **2020**, 8, 2000326	8.1	3
6	Low-loss and energy efficient modulation in silicon photonic waveguides by adiabatic elimination scheme. *Applied Physics Letters*, **2017**, 111, 033105	3.4	2
5	Composite pulses in N-level systems with SU(2) symmetry and their geometrical representation on the Majorana sphere. *Journal of Chemical Physics*, **2018**, 148, 074101	3.9	2
4	Ultrafast near-field dynamics of exciton-polariton in WSe2 at room temperature **2018**,		1

3	Unlocking Coherent Control of Ultrafast Plasmonic Interaction. *Laser and Photonics Reviews*,2100467	8.3	1
2	A quantum retrograde canon: complete population inversion inn2-state systems. *New Journal of Physics*, **2018**, 20, 043021	2.9	0
1	Coupled Molecular Emitters in Superstructures Interact with Plasmonic Nanoparticles. *Advanced Photonics Research*,2100334	1.9	