

Haim Suchowski

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

938
citations

758635

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839053

18
g-index

24
all docs

24
docs citations

24
times ranked

1515
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic nanostructure design and characterization via Deep Learning. Light: Science and Applications, 2018, 7, 60.	7.7	414
2	Nonlinear Surface Lattice Resonance in Plasmonic Nanoparticle Arrays. Physical Review Letters, 2017, 118, 243904.	2.9	124
3	Generation and multi-octave shaping of mid-infrared intense single-cycle pulses. Nature Photonics, 2017, 11, 222-226.	15.6	97
4	Ultrafast acousto-plasmonic control and sensing in complex nanostructures. Nature Communications, 2014, 5, 4042.	5.8	84
5	Transient exciton-polariton dynamics in WSe ₂ by ultrafast near-field imaging. Science Advances, 2019, 5, eaat9618.	4.7	66
6	Hidden two-qubit dynamics of a four-level Josephson circuit. Nature Communications, 2014, 5, 5617.	5.8	26
7	Multicolor Time-Resolved Upconversion Imaging by Adiabatic Sum Frequency Conversion. Laser and Photonics Reviews, 2020, 14, 2000040.	4.4	22
8	Polarization-controlled coherent phonon generation in acoustoplasmonic metasurfaces. Physical Review B, 2018, 97, .	1.1	20
9	Pythagorean coupling: Complete population transfer in a four-state system. Physical Review A, 2011, 84, .	1.0	17
10	Detuning-modulated composite pulses for high-fidelity robust quantum control. Physical Review A, 2019, 100, .	1.0	15
11	Near-Infrared Tunable Surface Lattice Induced Transparency in a Plasmonic Metasurface. Laser and Photonics Reviews, 2020, 14, 1900204.	4.4	15
12	Machine learning for nanophotonics. MRS Bulletin, 2020, 45, 221-229.	1.7	12
13	Low-loss and energy efficient modulation in silicon photonic waveguides by adiabatic elimination scheme. Applied Physics Letters, 2017, 111, .	1.5	6
14	Broadband photon pair generation at $3\pi/2$. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	5
15	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.	1.2	4
16	Spectral Interferometric Microscopy for Fast and Broadband Phase Characterization. Advanced Optical Materials, 2020, 8, 2000326.	3.6	4
17	Unlocking Coherent Control of Ultrafast Plasmonic Interaction. Laser and Photonics Reviews, 0, , 2100467.	4.4	4
18	A quantum retrograde canon: complete population inversion in 2-state systems. New Journal of Physics, 2018, 20, 043021.	1.2	1

#	ARTICLE	IF	CITATIONS
19	Ultrafast near-field dynamics of exciton-polariton in WSe ₂ at room temperature. , 2018, , .		1
20	Coupled Molecular Emitters in Superstructures Interact with Plasmonic Nanoparticles. Advanced Photonics Research, 2022, 3, .	1.7	1
21	Adiabatic frequency conversion for generation of octave spanning pulses. , 2016, , .		0
22	Observation of plasmonic breathers propagation in a two-level system. , 2017, , .		0
23	Coherent Control of the Non-Instantaneous Response of Plasmonic Nanostructures. , 2019, , .		0
24	Spectral Superresolution in Fourier Transform InfraRed (FTIR) Spectroscopy. , 2019, , .		0