

Mohammad Mahdi Salary

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Tunable Multigate Indium Tin Oxide-Assisted All-Dielectric Metasurface. <i>Advanced Optical Materials</i> , 2018, 6, 1701275.	3.6	89
2	Tunable all-dielectric metasurface for phase modulation of the reflected and transmitted light via permittivity tuning of indium tin oxide. <i>Nanophotonics</i> , 2019, 8, 415-427.	2.9	83
3	Electrically tunable harmonics in time-modulated metasurfaces for wavefront engineering. <i>New Journal of Physics</i> , 2018, 20, 123023.	1.2	56
4	Tunable All-Dielectric Metasurfaces for Phase-Only Modulation of Transmitted Light Based on Quasi-bound States in the Continuum. <i>ACS Photonics</i> , 2020, 7, 1813-1829.	3.2	55
5	Time-varying metamaterials based on graphene-wrapped microwires: Modeling and potential applications. <i>Physical Review B</i> , 2018, 97, .	1.1	40
6	A Dynamically Modulated All-Dielectric Metasurface Doublet for Directional Harmonic Generation and Manipulation in Transmission. <i>Advanced Optical Materials</i> , 2019, 7, 1900843.	3.6	39
7	Time-varying optical vortices enabled by time-modulated metasurfaces. <i>Nanophotonics</i> , 2020, 9, 2957-2976.	2.9	38
8	Photonic Metasurfaces as Relativistic Light Sails for Doppler-Broadened Stable Beam-Riding and Radiative Cooling. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900311.	4.4	35
9	Rigorous space-time coupled-wave analysis for patterned surfaces with temporal permittivity modulation [Invited]. <i>Optical Materials Express</i> , 2019, 9, 162.	1.6	35
10	Electrically Tunable Metamaterials Based on Multimaterial Nanowires Incorporating Transparent Conductive Oxides. <i>Scientific Reports</i> , 2017, 7, 10055.	1.6	31
11	Unidirectional thermal radiation from a SiC metasurface. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 39.	0.9	31
12	Metafabrics for Thermoregulation and Energy-Harvesting Applications. <i>ACS Photonics</i> , 2017, 4, 915-927.	3.2	30
13	Double split-loop resonators as building blocks of metasurfaces for light manipulation: bending, focusing, and flat-top generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 1411.	0.9	28
14	Nonreciprocal optical links based on time-modulated nanoantenna arrays: Full-duplex communication. <i>Physical Review B</i> , 2019, 99, .	1.1	28
15	Time-Modulated Conducting Oxide Metasurfaces for Adaptive Multiple Access Optical Communication. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 1628-1642.	3.1	24
16	Topological Space-Time Photonic Transitions in Angular-Momentum-Biased Metasurfaces. <i>Advanced Optical Materials</i> , 2020, 8, 2000075.	3.6	22
17	Tailoring optical forces for nanoparticle manipulation on layered substrates. <i>Physical Review B</i> , 2016, 94, .	1.1	21
18	Model Order Reduction of Large-Scale Metasurfaces Using a Hierarchical Dipole Approximation. <i>ACS Photonics</i> , 2017, 4, 63-75.	3.2	20

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19	Mechanical actuation of graphene sheets via optically induced forces. <i>Physical Review B</i> , 2016, 94, .	1.1	16
20	Active Multiple Access Secure Communication Enabled by Graphene-Based Time-Modulated Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 664-679.	3.1	16
21	Broadband continuous beam-steering with time-modulated metasurfaces in the near-infrared spectral regime. <i>APL Photonics</i> , 2021, 6, 086109.	3.0	15
22	Robust technique for computation of scattering and absorption of light by array of nanowires on layered substrate. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 2448.	0.9	14
23	Adaptive Multichannel Terahertz Communication by Space-Time Shared Aperture Metasurfaces. <i>IEEE Access</i> , 2020, 8, 185919-185937.	2.6	13
24	EM Scattering From Cylindrical Structures Coated by Materials With Inhomogeneity in Both Radial and Azimuthal Directions. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 1118-1128.	3.1	12
25	Optical Pulse Compression Assisted by High-Q Time-Modulated Transmissive Metasurfaces. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	11
26	Inverse design of radiative thermal meta-sources via discrete dipole approximation model. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	10
27	TCO-Based Active Dielectric Metasurfaces Design by Conditional Generative Adversarial Networks. <i>Advanced Theory and Simulations</i> , 2021, 4, 2000196.	1.3	10
28	Inverse Design of Diffractive Relativistic Meta-Sails via Multi-Objective Optimization. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100047.	1.3	10
29	Quasi-Static and Time-Modulated Optical Phased Arrays: Beamforming Analysis and Comparative Study. <i>Advanced Photonics Research</i> , 2021, 2, 2100034.	1.7	10
30	Multifunctional metasails for self-stabilized beam-riding and optical communication. <i>Nanoscale Advances</i> , 2022, 4, 1727-1740.	2.2	10
31	Analysis of scattering from cylindrical structures coated by radially inhomogeneous layer using Taylor's series method. <i>Journal of Electromagnetic Waves and Applications</i> , 2014, 28, 1642-1660.	1.0	8
32	Numerical analysis of scattering from cylindrical structures coated by layers having inhomogeneity in both radial and azimuthal directions. <i>IET Microwaves, Antennas and Propagation</i> , 2015, 9, 472-485.	0.7	8
33	Single Sideband Suppressed Carrier Modulation With Spatiotemporal Metasurfaces at Near-Infrared Spectral Regime. <i>Journal of Lightwave Technology</i> , 2022, 40, 3802-3813.	2.7	5
34	A quasi-static continuum model describing interactions between plasmons and non-absorbing biomolecules. <i>Journal of Applied Physics</i> , 2015, 117, 234303.	1.1	4
35	Characterization of optomechanical modes in multilayer stack of graphene sheets. <i>Journal of Materials Research</i> , 2017, 32, 4103-4114.	1.2	4
36	ELECTROMAGNETIC SCATTERING FROM BI-PERIODIC FABRIC STRUCTURES. <i>Progress in Electromagnetics Research B</i> , 2017, 72, 31-47.	0.7	4

#	ARTICLE	IF	CITATIONS
37	Controllable directive radiation from dipole emitter coupled to dielectric nanowire antenna with substrate-mediated tunability. MRS Communications, 2018, 8, 437-445.	0.8	4
38	Analytical relations for achieving zero reflection in anisotropic materials. IET Microwaves, Antennas and Propagation, 2013, 7, 552-562.	0.7	1
39	AN EXACT FORMULATION FOR THE REFLECTION COEFFICIENT FROM ANISOTROPIC MULTILAYER STRUCTURES WITH ARBITRARY BACKING. Progress in Electromagnetics Research M, 2013, 30, 79-93.	0.5	1
40	INTERACTION OF ELECTROMAGNETIC WAVES WITH A MOVING SLAB: FUNDAMENTAL DYADIC METHOD. Progress in Electromagnetics Research B, 2014, 60, 1-13.	0.7	1
41	Tunable magnetization of infrared epsilon-near-zero media via field-effect modulation. Applied Physics Letters, 2018, 112, 181104.	1.5	1
42	A DUALITY BETWEEN METAMATERIALS AND CONVENTIONAL MATERIALS IN MULTILAYERED ANISOTROPIC PLANAR STRUCTURES. Progress in Electromagnetics Research M, 2013, 32, 13-25.	0.5	0
43	A new reconfigurable frequency selective surface design with wide tuning range. , 2014, , .		0
44	Time-modulated Metasurfaces for Dispersionless Wavefront Engineering of Light. , 2019, , .		0