Mohammad Mahdi Salary

List of Publications by Year
in descending order

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44 papers	893 citations	430442 18 h-index	476904 29 g-index
45 all docs	45 docs citations	45 times ranked	791 citing authors

#	Article	IF	Citations
1	Active Multiple Access Secure Communication Enabled by Graphene-Based Time-Modulated Metasurfaces. IEEE Transactions on Antennas and Propagation, 2022, 70, 664-679.	3.1	16
2	Multifunctional metasails for self-stabilized beam-riding and optical communication. Nanoscale Advances, 2022, 4, 1727-1740.	2.2	10
3	Single Sideband Suppressed Carrier Modulation With Spatiotemporal Metasurfaces at Near-Infrared Spectral Regime. Journal of Lightwave Technology, 2022, 40, 3802-3813.	2.7	5
4	Optical Pulse Compression Assisted by Highâ€Q Timeâ€Modulated Transmissive Metasurfaces. Laser and Photonics Reviews, 2022, 16, .	4.4	11
5	TCOâ€Based Active Dielectric Metasurfaces Design by Conditional Generative Adversarial Networks. Advanced Theory and Simulations, 2021, 4, 2000196.	1.3	10
6	Inverse Design of Diffractive Relativistic Metaâ€Sails via Multiâ€Objective Optimization. Advanced Theory and Simulations, 2021, 4, 2100047.	1.3	10
7	Quasiâ€Static and Timeâ€Modulated Optical Phased Arrays: Beamforming Analysis and Comparative Study. Advanced Photonics Research, 2021, 2, 2100034.	1.7	10
8	Broadband continuous beam-steering with time-modulated metasurfaces in the near-infrared spectral regime. APL Photonics, 2021, 6, 086109.	3.0	15
9	Time-Modulated Conducting Oxide Metasurfaces for Adaptive Multiple Access Optical Communication. IEEE Transactions on Antennas and Propagation, 2020, 68, 1628-1642.	3.1	24
10	Adaptive Multichannel Terahertz Communication by Space-Time Shared Aperture Metasurfaces. IEEE Access, 2020, 8, 185919-185937.	2.6	13
11	Tunable All-Dielectric Metasurfaces for Phase-Only Modulation of Transmitted Light Based on Quasi-bound States in the Continuum. ACS Photonics, 2020, 7, 1813-1829.	3.2	55
12	Topological Spaceâ€Time Photonic Transitions in Angularâ€Momentumâ€Biased Metasurfaces. Advanced Optical Materials, 2020, 8, 2000075.	3.6	22
13	Photonic Metasurfaces as Relativistic Light Sails for Dopplerâ€Broadened Stable Beamâ€Riding and Radiative Cooling. Laser and Photonics Reviews, 2020, 14, 1900311.	4.4	35
14	Time-varying optical vortices enabled by time-modulated metasurfaces. Nanophotonics, 2020, 9, 2957-2976.	2.9	38
15	A Dynamically Modulated Allâ€Dielectric Metasurface Doublet for Directional Harmonic Generation and Manipulation in Transmission. Advanced Optical Materials, 2019, 7, 1900843.	3.6	39
16	Tunable all-dielectric metasurface for phase modulation of the reflected and transmitted light via permittivity tuning of indium tin oxide. Nanophotonics, 2019, 8, 415-427.	2.9	83
17	Inverse design of radiative thermal meta-sources via discrete dipole approximation model. Journal of Applied Physics, 2019, 125, .	1.1	10
18	Nonreciprocal optical links based on time-modulated nanoantenna arrays: Full-duplex communication. Physical Review B, 2019, 99, .	1.1	28

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19	Rigorous space-time coupled-wave analysis for patterned surfaces with temporal permittivity modulation [Invited]. Optical Materials Express, 2019, 9, 162.	1.6	35
20	Time-modulated Metasurfaces for Dispersionless Wavefront Engineering of Light. , 2019, , .		0
21	Controllable directive radiation from dipole emitter coupled to dielectric nanowire antenna with substrate-mediated tunability. MRS Communications, 2018, 8, 437-445.	0.8	4
22	A Tunable Multigate Indiumâ€Tinâ€Oxideâ€Assisted Allâ€Dielectric Metasurface. Advanced Optical Materials, 2018, 6, 1701275.	3.6	89
23	Tunable magnetization of infrared epsilon-near-zero media via field-effect modulation. Applied Physics Letters, 2018, 112, 181104.	1.5	1
24	Time-varying metamaterials based on graphene-wrapped microwires: Modeling and potential applications. Physical Review B, 2018, 97, .	1.1	40
25	Electrically tunable harmonics in time-modulated metasurfaces for wavefront engineering. New Journal of Physics, 2018, 20, 123023.	1.2	56
26	Unidirectional thermal radiation from a SiC metasurface. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 39.	0.9	31
27	Model Order Reduction of Large-Scale Metasurfaces Using a Hierarchical Dipole Approximation. ACS Photonics, 2017, 4, 63-75.	3.2	20
28	Metafabrics for Thermoregulation and Energy-Harvesting Applications. ACS Photonics, 2017, 4, 915-927.	3.2	30
29	Characterization of optomechanical modes in multilayer stack of graphene sheets. Journal of Materials Research, 2017, 32, 4103-4114.	1.2	4
30	Electrically Tunable Metamaterials Based on Multimaterial Nanowires Incorporating Transparent Conductive Oxides. Scientific Reports, 2017, 7, 10055.	1.6	31
31	ELECTROMAGNETIC SCATTERING FROM BI-PERIODIC FABRIC STRUCTURES. Progress in Electromagnetics Research B, 2017, 72, 31-47.	0.7	4
32	Mechanical actuation of graphene sheets via optically induced forces. Physical Review B, 2016, 94, .	1.1	16
33	Tailoring optical forces for nanoparticle manipulation on layered substrates. Physical Review B, 2016, 94, .	1.1	21
34	Double split-loop resonators as building blocks of metasurfaces for light manipulation: bending, focusing, and flat-top generation. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1411.	0.9	28
35	Robust technique for computation of scattering and absorption of light by array of nanowires on layered substrate. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 2448.	0.9	14
36	EM Scattering From Cylindrical Structures Coated by Materials With Inhomogeneity in Both Radial and Azimuthal Directions. IEEE Transactions on Antennas and Propagation, 2015, 63, 1118-1128.	3.1	12

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37	Numerical analysis of scattering from cylindrical structures coated by layers having inhomogeneity in both radial and azimuthal directions. IET Microwaves, Antennas and Propagation, 2015, 9, 472-485.	0.7	8
38	A quasi-static continuum model describing interactions between plasmons and non-absorbing biomolecules. Journal of Applied Physics, 2015, 117, 234303.	1.1	4
39	INTERACTION OF ELECTROMAGNETIC WAVES WITH A MOVING SLAB: FUNDAMENTAL DYADIC METHOD. Progress in Electromagnetics Research B, 2014, 60, 1-13.	0.7	1
40	A new reconfigurable frequency selective surface design with wide tuning range. , 2014, , .		0
41	Analysis of scattering from cylindrical structures coated by radially inhomogeneous layer using Taylorâ€™s series method. Journal of Electromagnetic Waves and Applications, 2014, 28, 1642-1660.	1.0	8
42	Analytical relations for achieving zero reflection in anisotropic materials. IET Microwaves, Antennas and Propagation, 2013, 7, 552-562.	0.7	1
43	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
44	A DUALITY BETWEEN METAMATERIALS AND CONVENTIONAL MATERIALS IN MULTILAYERED ANISOTROPIC PLANAR STRUCTURES. Progress in Electromagnetics Research M, 2013, 32, 13-25.	0.5	0