Samad Roshan Entezar

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.

65 papers	570 citations	14 h-index	21 g-index
66 ext. papers	650 ext. citations	2 avg, IF	4.69 L-index

#	Paper	IF	Citations
65	Multipolar-sensitive engineering of magnetic dipole spontaneous emission with a dielectric nanoresonator antenna. *Scientific Reports*, **2021**, 11, 12813	4.9	1
64	Kerr-nonlinearity-assisted NIR nonreciprocal absorption in a VO-based core-shell composite integrated with 1D nonlinear multilayers. *Applied Optics*, **2021**, 60, 8651-8658	1.7	0
63	Bistable absorption in a 1D photonic crystal with a nanocomposite defect layer. *Applied Optics*, **2021**, 60, 8445-8452	1.7	0
62	Tunable multispectral near-infrared absorption with a phase transition of VO nanoparticles hybridized with 1D photonic crystals. *Nanotechnology*, **2020**, 31, 335701	3.4	4
61	Tunable lateral shift of the reflected optical beams from a nanocomposite structurally chiral medium. *Optical Materials*, **2020**, 107, 110026	3.3	2
60	Effect of strain on surface plasmon polaritons of a graphene cladded one-dimensional photonic crystal. *Applied Optics*, **2020**, 59, 2149-2156	1.7	
59	Interferometric measurement of Van Hove singularities in strained graphene. *Applied Optics*, **2020**, 59, 4757-4762	1.7	
58	Electrically controlled lateral shift of the reflected optical beams from a nanocomposite structurally chiral medium. *Physica Scripta*, **2020**, 95, 095504	2.6	
57	Polarization conversion and phase modulation of terahertz electromagnetic waves via graphene-dielectric structure. *Physica Scripta*, **2020**, 95, 015503	2.6	2
56	Tunable Tamm states at the interface of a 1D graphene-based photonic crystal and a nonlinear dielectric slab. *Physica Scripta*, **2020**, 95, 045504	2.6	
55	Tunable resonant Bragg photonic bandgap structures based on active quantum dot layers; crystals with applications in all-optical switches manufacturing. *Waves in Random and Complex Media*, **2020**, 1-20	1.9	2
54	Investigation of the incident light intensity effect on the internal electric fields of GaAs single junction solar cell using bright electroreflectance spectroscopy. *Current Applied Physics*, **2020**, 20, 145-149	2.6	3
53	. *IEEE Photonics Journal*, **2019**, 11, 1-13	1.8	12
52	Refraction and reflection from the interface of anisotropic materials. *Physica Scripta*, **2019**, 94, 085502	2.6	4
51	Graphene based photonic crystal optical filter: Design and exploration of the tunability. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2019**, 383, 2551-2560	2.3	29
50	Tunability of the Brewster angle and dispersion type of the asymmetric graphene-based hyperbolic metamaterials. *Journal of Optics (United Kingdom)*, **2019**, 21, 065101	1.7	4
49	Terahertz tunable photonic crystal optical filter containing graphene and nonlinear electro-optic polymer. *Laser Physics*, **2019**, 29, 056201	1.2	25

48	Nonreciprocal optical isolation via graphene based photonic crystals. *Journal of Magnetism and Magnetic Materials*, **2018**, 449, 33-39	2.8	20
47	Tension effect on the absorbance of a graphene layer. *Journal of Modern Optics*, **2018**, 65, 381-386	1.1	1
46	Tension induced surface plasmon-polaritons at graphene-based structure. *Superlattices and Microstructures*, **2017**, 102, 490-497	2.8	1
45	Optical properties of one-dimensional photonic crystals containing graphene-based hyperbolic metamaterials. *Photonics and Nanostructures - Fundamentals and Applications*, **2017**, 25, 58-64	2.6	8
44	Optical properties of graphene based annular photonic crystals. *Journal of Modern Optics*, **2017**, 64, 1588-1596	1.1	7
43	Biosensors based on Bloch surface waves in one-dimensional photonic crystal with graphene nanolayers. *Applied Optics*, **2017**, 56, 462-469	0.2	23
42	Optical properties of a one-dimensional photonic crystal containing a graphene-based hyperbolic metamaterial defect layer. *Applied Optics*, **2017**, 56, 317-323	0.2	24
41	Tunable surface waves in nonlinear graphene-based one-dimensional-photonic crystal. *Journal of Nanophotonics*, **2017**, 11, 1	1.1	2
40	Omnidirectional broadband THz filter based on a one-dimensional Thue–Morse quasiperiodic structure containing graphene nanolayers. *Journal of Nanophotonics*, **2016**, 10, 036010	1.1	16
39	1D graded thickness nonlinear structure as an optical diode. *Journal of Nonlinear Optical Physics and Materials*, **2016**, 25, 1650030	0.8	1
38	Photonic crystal wedge as a tunable multichannel filter. *Superlattices and Microstructures*, **2015**, 82, 33-39	2.8	28
37	Tunable enhanced Goos–Hänchen shift in one-dimensional photonic crystals containing graphene monolayers. *Superlattices and Microstructures*, **2015**, 86, 105-110	2.8	18
36	Optical isolation via one-dimensional magneto-photonic crystals containing nonlinear defect layer. *Optics Communications*, **2015**, 352, 91-95	2	6
35	Optical properties of a defective one-dimensional photonic crystal containing graphene nanaolayers. *Physica B: Condensed Matter*, **2015**, 478, 122-126	2.8	35
34	Effect of surface plasmon polaritons on the sensitivity of refractive index measurement using total internal reflection method. *Journal of Magnetism and Magnetic Materials*, **2015**, 381, 203-207	2.8	1
33	Surface polaritons of one-dimensional photonic crystals containing graphene monolayers. *Superlattices and Microstructures*, **2014**, 75, 692-700	2.8	23
32	Optical properties of one-dimensional photonic crystals containing graphene sheets. *Physica B: Condensed Matter*, **2013**, 431, 1-5	2.8	78
31	Spontaneous emission of a driven five-level atom in a defective photonic crystal. *Journal of Modern Optics*, **2013**, 60, 713-719	1.1	1

30	Temperature dependent transmission and optical bistability in a 1D photonic crystal with a liquid crystal defect layer. *Journal of Modern Optics*, **2013**, 60, 1883-1891	1.1	9
29	New method for computation of band structures in 1D photonic crystals based on the Fresnel equations. *Journal of Modern Optics*, **2013**, 60, 227-232	1.1	
28	Nonlinear properties of a graded-index photonic heterostructure **2013**, 80, 887-894		4
27	Optical bistability in one-dimensional photonic band gap structure with nonlinear graded-index defect layer. *Optics Communications*, **2013**, 287, 19-24	2	4
26	Permanently disentangled states of atom–field system via spontaneously generated coherence. *Journal of Modern Optics*, **2013**, 60, 1364-1369	1.1	1
25	TUNABLE METAMATERIALS MADE OF GRAPHENE-LIQUID CRYSTAL MULTILAYERS. *Progress in Electromagnetics Research*, **2013**, 143, 545-558	3.8	15
24	Effect of anisotropy on the photonic band gap and surface polaritons of a one-dimensional single-negative photonic crystal. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 1739-1744	2.8	2
23	Position Dependent Spontaneous Emission Spectra of a Λ-Type Atomic System Embedded in a Defective Photonic Crystal. *Communications in Theoretical Physics*, **2012**, 57, 115-122	2.4	2
22	Influence of the orientation of optical axis on the transmission properties of one-dimensional photonic crystals containing uniaxial indefinite metamaterial. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 2910	1.7	8
21	Transmission properties of a double-periodic quasi-crystal containing single-negative materials. *Optics Communications*, **2011**, 284, 5833-5838	2	2
20	Position-dependent absorption-dispersion spectrum of a Λ-type three-level atom embedded in a defective photonic crystal. *Journal of Modern Optics*, **2011**, 58, 1666-1672	1.1	2
19	Band structure of two-dimensional square lattice photonic crystals of circular dispersive metamaterial rods. *European Physical Journal B*, **2011**, 81, 269-274	1.2	3
18	Wave propagation in double-period quasi-regular one-dimensional photonic crystals composed of single-negative metamaterials. *Physica B: Condensed Matter*, **2011**, 406, 3322-3327	2.8	6
17	FREQUENCY TUNEABLE SINGLE-NEGATIVE BISTABLE HETEROSTRUCTURE. *Progress in Electromagnetics Research M*, **2010**, 14, 33-44	0.6	6
16	PHOTONIC TRANSMISSION SPECTRA IN ONE-DIMENSIONAL FIBONACCI MULTILAYER STRUCTURES CONTAINING SINGLE-NEGATIVE METAMATERIALS. *Progress in Electromagnetics Research*, **2010**, 102, 15-30	3.8	24
15	Controllable atom–photon entanglement near a 3D anisotropic photonic band edge. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2010**, 43, 085503	1.3	9
14	Dispersion properties of nonlinear surface waves in one-dimensional photonic crystals with a nonlinear self-defocusing cap layer of left-handed metamaterial. *Journal of the Optical Society of America B: Optical Physics*, **2010**, 27, 2116	1.7	2
13	Transmission gaps in one-dimensional Fibonacci quasiperiodic structure containing epsilon-negative materials **2010**, 74, 805-811		3

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12	Back-propagating surface polaritons of a one-dimensional photonic crystal containing single negative metamaterials. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 2703-2707	2.8	2
11	SIMULTANEOUS TE AND TM SURFACE POLARITONS IN A BILAYER COMPOSED OF A SINGLE-NEGATIVE MATERIALS. *Progress in Electromagnetics Research M*, **2009**, 7, 179-192	0.6	4
10	Entanglement of a two-level atom and its spontaneous emission near the edge of a photonic band gap. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 3413-3418	2.3	8
9	Disentanglement of atom–photon via quantum interference in driven three-level atoms. *Optics Communications*, **2009**, 282, 1171-1174	2	7
8	Localized Waves at the Surface of a Single-Negative Periodic Multilayer Structure. *Journal of Electromagnetic Waves and Applications*, **2009**, 23, 171-182	1.3	16
7	Localized modes in defective multilayer structures. *Physical Review A*, **2009**, 80,	2.6	1
6	Backward nonlinear surface Tamm states in left-handed metamaterials. *Optics Express*, **2008**, 16, 10543-8	3.3	8
5	Nonlinear surface waves in one-dimensional photonic crystals containing left-handed metamaterials. *Physical Review A*, **2008**, 78,	2.6	8
4	Quantum interference in absorption and dispersion of a four-level atom in a double-band photonic crystal. *Physical Review A*, **2007**, 75,	2.6	12
3	Effect of a modified reservoir on the nature of interference in the spontaneous emission of a driven four-level atom. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2007**, 40, 2927-2937	1.3	7
2	Probe absorption–dispersion spectra of a driven three-level atom in a double-band photonic crystal. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2006**, 39, 2959-2967	1.3	12
1	Omnidirectional cylindrical graphene-based Bragg fiber in terahertz. *Waves in Random and Complex Media*,1-12	1.9	1