

# Samad Roshan Entezar

## List of Publications by Year in descending order

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66  
papers

737  
citations

516710

16  
h-index

580821

25  
g-index

66  
all docs

66  
docs citations

66  
times ranked

486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of one-dimensional photonic crystals containing graphene sheets. Physica B: Condensed Matter, 2013, 431, 1-5.	2.7	85
2	Optical properties of a defective one-dimensional photonic crystal containing graphene nanolayers. Physica B: Condensed Matter, 2015, 478, 122-126.	2.7	40
3	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.	2.1	39
4	Terahertz tunable photonic crystal optical filter containing graphene and nonlinear electro-optic polymer. Laser Physics, 2019, 29, 056201.	1.2	35
5	PHOTONIC TRANSMISSION SPECTRA IN ONE-DIMENSIONAL FIBONACCI MULTILAYER STRUCTURES CONTAINING SINGLE-NEGATIVE METAMATERIALS. Progress in Electromagnetics Research, 2010, 102, 15-30.	4.4	33
6	Optical properties of a one-dimensional photonic crystal containing a graphene-based hyperbolic metamaterial defect layer. Applied Optics, 2017, 56, 317.	2.1	33
7	Biosensors based on Bloch surface waves in one-dimensional photonic crystal with graphene nanolayers. Applied Optics, 2017, 56, 462.	2.1	31
8	Photonic crystal wedge as a tunable multichannel filter. Superlattices and Microstructures, 2015, 82, 33-39.	3.1	30
9	Tunable enhanced Goos-Hänchen shift in one-dimensional photonic crystals containing graphene monolayers. Superlattices and Microstructures, 2015, 86, 105-110.	3.1	26
10	Surface polaritons of one-dimensional photonic crystals containing graphene monolayers. Superlattices and Microstructures, 2014, 75, 692-700.	3.1	25
11	Nonreciprocal optical isolation via graphene based photonic crystals. Journal of Magnetism and Magnetic Materials, 2018, 449, 33-39.	2.3	22
12	Omnidirectional broadband THz filter based on a one-dimensional Thue-Morse quasiperiodic structure containing graphene nanolayers. Journal of Nanophotonics, 2016, 10, 036010.	1.0	19
13	Broadband Terahertz Polarizing Beam Splitter Based on a Graphene-Based Defective One-Dimensional Photonic Crystal. IEEE Photonics Journal, 2019, 11, 1-13.	2.0	19
14	Tunable multispectral near-infrared absorption with a phase transition of $VO_2$ nanoparticles hybridized with 1D photonic crystals. Nanotechnology, 2020, 31, 335701.	2.6	18
15	TUNABLE METAMATERIALS MADE OF GRAPHENE-LIQUID CRYSTAL MULTILAYERS. Progress in Electromagnetics Research, 2013, 143, 545-558.	4.4	17
16	Localized Waves at the Surface of a Single-Negative Periodic Multilayer Structure. Journal of Electromagnetic Waves and Applications, 2009, 23, 171-182.	1.6	16
17	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.	1.3	14
18	Optical properties of one-dimensional photonic crystals containing graphene-based hyperbolic metamaterials. Photonics and Nanostructures - Fundamentals and Applications, 2017, 25, 58-64.	2.0	14

#	ARTICLE	IF	CITATIONS
19	Probe absorptionâ€“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.	1.5	13
20	Quantum interference in absorption and dispersion of a four-level atom in a double-band photonic crystal. Physical Review A, 2007, 75, .	2.5	13
21	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.	2.1	13
22	Controllable atomâ€“photon entanglement near a 3D anisotropic photonic band edge. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 085503.	1.5	10
23	Optical properties of graphene based annular photonic crystals. Journal of Modern Optics, 2017, 64, 1588-1596.	1.3	10
24	Nonlinear surface waves in one-dimensional photonic crystals containing left-handed metamaterials. Physical Review A, 2008, 78, .	2.5	9
25	Backward nonlinear surface Tamm states in left-handed metamaterials. Optics Express, 2008, 16, 10543.	3.4	8
26	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.	2.1	8
27	Optical isolation via one-dimensional magneto-photonic crystals containing nonlinear defect layer. Optics Communications, 2015, 352, 91-95.	2.1	8
28	Tunable lateral shift of the reflected optical beams from a nanocomposite structurally chiral medium. Optical Materials, 2020, 107, 110026.	3.6	8
29	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.	1.5	7
30	Disentanglement of atomâ€“photon via quantum interference in driven three-level atoms. Optics Communications, 2009, 282, 1171-1174.	2.1	7
31	Tunability of the Brewster angle and dispersion type of the asymmetric graphene-based hyperbolic metamaterials. Journal of Optics (United Kingdom), 2019, 21, 065101.	2.2	7
32	FREQUENCY TUNEABLE SINGLE-NEGATIVE BISTABLE HETEROSTRUCTURE. Progress in Electromagnetics Research M, 2010, 14, 33-44.	0.9	6
33	Wave propagation in double-period quasi-regular one-dimensional photonic crystals composed of single-negative metamaterials. Physica B: Condensed Matter, 2011, 406, 3322-3327.	2.7	6
34	Nonlinear properties of a graded-index photonic heterostructure. Pramana - Journal of Physics, 2013, 80, 887-894.	1.8	6
35	Optical bistability in one-dimensional photonic band gap structure with nonlinear graded-index defect layer. Optics Communications, 2013, 287, 19-24.	2.1	6
36	Refraction and reflection from the interface of anisotropic materials. Physica Scripta, 2019, 94, 085502.	2.5	6

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37	Multipolar-sensitive engineering of magnetic dipole spontaneous emission with a dielectric nanoresonator antenna. <i>Scientific Reports</i> , 2021, 11, 12813.	3.3	6
38	SIMULTANEOUS TE AND TM SURFACE POLARITONS IN A BILAYER COMPOSED OF A SINGLE-NEGATIVE MATERIALS. <i>Progress in Electromagnetics Research M</i> , 2009, 7, 179-192.	0.9	5
39	Tunable resonant Bragg photonic bandgap structures based on active quantum dot layers; crystals with applications in all-optical switches manufacturing. <i>Waves in Random and Complex Media</i> , 2022, 32, 676-695.	2.7	5
40	Bistable absorption in a 1D photonic crystal with a nanocomposite defect layer. <i>Applied Optics</i> , 2021, 60, 8445.	1.8	5
41	Investigation of the incident light intensity effect on the internal electric fields of GaAs single junction solar cell using bright electroreflectance spectroscopy. <i>Current Applied Physics</i> , 2020, 20, 145-149.	2.4	4
42	Polarization conversion and phase modulation of terahertz electromagnetic waves via graphene-dielectric structure. <i>Physica Scripta</i> , 2020, 95, 015503.	2.5	4
43	Kerr-nonlinearity-assisted NIR nonreciprocal absorption in a VO <sub>2</sub> -based core-shell composite integrated with 1D nonlinear multilayers. <i>Applied Optics</i> , 2021, 60, 8651.	1.8	4
44	Transmission gaps in one-dimensional Fibonacci quasiperiodic structure containing epsilon-negative materials. <i>Pramana - Journal of Physics</i> , 2010, 74, 805-811.	1.8	3
45	Band structure of two-dimensional square lattice photonic crystals of circular dispersive metamaterial rods. <i>European Physical Journal B</i> , 2011, 81, 269-274.	1.5	3
46	Position Dependent Spontaneous Emission Spectra of a $\hat{\nu}$ -Type Atomic System Embedded in a Defective Photonic Crystal. <i>Communications in Theoretical Physics</i> , 2012, 57, 115-122.	2.5	3
47	Effect of anisotropy on the photonic band gap and surface polaritons of a one-dimensional single-negative photonic crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1739-1744.	2.3	3
48	Localized modes in defective multilayer structures. <i>Physical Review A</i> , 2009, 80, .	2.5	2
49	Back-propagating surface polaritons of a one-dimensional photonic crystal containing single negative metamaterials. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2703-2707.	2.3	2
50	Dispersion properties of nonlinear surface waves in one-dimensional photonic crystals with a nonlinear self-defocusing cap layer of left-handed metamaterial. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 2116.	2.1	2
51	Transmission properties of a double-periodic quasi-crystal containing single-negative materials. <i>Optics Communications</i> , 2011, 284, 5833-5838.	2.1	2
52	Position-dependent absorption-dispersion spectrum of a $\hat{\nu}$ -type three-level atom embedded in a defective photonic crystal. <i>Journal of Modern Optics</i> , 2011, 58, 1666-1672.	1.3	2
53	Spontaneous emission of a driven five-level atom in a defective photonic crystal. <i>Journal of Modern Optics</i> , 2013, 60, 713-719.	1.3	2
54	Omnidirectional cylindrical graphene-based Bragg fiber in terahertz. <i>Waves in Random and Complex Media</i> , 0, , 1-12.	2.7	2

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55	Tunable surface waves in nonlinear graphene-based one-dimensional-photonic crystal. Journal of Nanophotonics, 2017, 11, 1.	1.0	2
56	Electrically controlled lateral shift of the reflected optical beams from a nanocomposite structurally chiral medium. Physica Scripta, 2020, 95, 095504.	2.5	2
57	TAMM STATES OF A NONLINEAR SLAB SANDWICHED BETWEEN A UNIFORM MEDIUM AND A ONE-DIMENSIONAL PHOTONIC CRYSTAL. Progress in Electromagnetics Research Letters, 2010, 18, 115-124.	0.7	1
58	Permanently disentangled states of atomâ€field system via spontaneously generated coherence. Journal of Modern Optics, 2013, 60, 1364-1369.	1.3	1
59	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.	2.3	1
60	1D graded thickness nonlinear structure as an optical diode. Journal of Nonlinear Optical Physics and Materials, 2016, 25, 1650030.	1.8	1
61	Tension induced surface plasmon-polaritons at graphene-based structure. Superlattices and Microstructures, 2017, 102, 490-497.	3.1	1
62	Tension effect on the absorbance of a graphene layer. Journal of Modern Optics, 2018, 65, 381-386.	1.3	1
63	Tunable Tamm states at the interface of a 1D graphene-based photonic crystal and a nonlinear dielectric slab. Physica Scripta, 2020, 95, 045504.	2.5	1
64	New method for computation of band structures in 1D photonic crystals based on the Fresnel equations. Journal of Modern Optics, 2013, 60, 227-232.	1.3	0
65	Effect of strain on surface plasmon polaritons of a graphene cladded one-dimensional photonic crystal. Applied Optics, 2020, 59, 2149.	1.8	0
66	Interferometric measurement of Van Hove singularities in strained graphene. Applied Optics, 2020, 59, 4757.	1.8	0