Farzaneh Bayat

List of Publications by Year
in descending order

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14 papers	109 citations	1307594 7 h-index	1372567 10 g-index
14 all docs	14 docs citations	14 times ranked	102 citing authors

#	Article	IF	Citations
1	Designing Real-Time Biosensors and Chemical Sensors Based on Defective 1-D Photonic Crystals. IEEE Photonics Technology Letters, 2016, 28, 1843-1846.	2.5	22
2	Monodisperse Silica Spheres Ensembles with Tailored Optical Resonances in the Visible. Particle and Particle Systems Characterization, 2016, 33, 871-877.	2.3	12
3	A Defective 1-D Photonic Crystal-Based Chemical Sensor in Total Internal Reflection Geometry. IEEE Sensors Journal, 2017, 17, 4046-4051.	4.7	11
4	CdTe quantum dots incorporated in CoNiAl layered double hydroxide interlayer spaces as a highly efficient visible light driven photocatalyst for degradation of an azo dye and Bisphenol A. Journal of Alloys and Compounds, 2022, 898, 162768.	5.5	10
5	Real-Time Detection of Gas and Chemical Vapor Flows by Silica Inverse-Opals. IEEE Sensors Journal, 2019, 19, 7961-7967.	4.7	8
6	Engineering 1DPC Defect Mode With GRIN Lenses to Design Beam Shapers. IEEE Photonics Technology Letters, 2014, 26, 440-443.	2.5	7
7	Optimizing the concentration of colloidal suspensions in convective assembly of centimeter-sized uniform monolayer colloidal crystals. Applied Surface Science, 2018, 434, 898-904.	6.1	7
8	Nanosphere lithography: the effect of chemical etching and annealing sequence on the shape and spectrum of nano-metal arrays. Heliyon, 2020, 6, e03382.	3.2	7
9	Designing tunable narrow band filters using a plasma photonic crystal structure with sinusoidal modulated plasma defect layer. Optical and Quantum Electronics, 2020, 52, 1.	3.3	5
10	Photocatalytic activity enhancement of carbonâ€doped <scp>gâ€C₃N₄</scp> by synthesis of nanocomposite with <scp>Ag₂O</scp> and <scp>Î±â€Fe₂O₃</scp>. Journal of the Chinese Chemical Society, 2021, 68, 2118-2131.	1.4	5
11	Enhancement in photovoltaic properties of exciplex quantum dot sensitized solar cells via gadolinium doping and formation of type II Core/Shell (Gd-doped CdS@CdSe) structure. Solar Energy, 2022, 231, 402-413.	6.1	5
12	DESIGNING PLANE WAVE MODULATORS USING 1DPC NANOSTRUCTURE WITH R-GRIN DEFECT LAYER. Progress in Electromagnetics Research M, 2014, 34, 63-71.	0.9	4
13	Petal-shaped optical vortice generation by a graded-index defective 1DPC nanostructure under irradiation of a Gaussian beam. Journal of Optics (United Kingdom), 2015, 17, 035104.	2.2	3
14	Optical properties of one-dimensional plasma photonic crystals with inhomogeneous plasma density distribution functions. Applied Optics, 2021, 60, 11211.	1.8	3