

Hamidreza Fallah

List of Publications by Citations

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52
papers

841
citations

14
h-index

28
g-index

54
ext. papers

933
ext. citations

3.3
avg, IF

4.16
L-index

#	Paper	IF	Citations
52	Surface characterization and microstructure of ITO thin films at different annealing temperatures. <i>Applied Surface Science</i> , 2007 , 253, 9085-9090	6.7	156
51	The effect of annealing on structural, electrical and optical properties of nanostructured ITO films prepared by e-beam evaporation. <i>Materials Research Bulletin</i> , 2007 , 42, 487-496	5.1	117
50	The effect of deposition rate on electrical, optical and structural properties of tin-doped indium oxide (ITO) films on glass at low substrate temperature. <i>Physica B: Condensed Matter</i> , 2006 , 373, 274-279 ^{2.8}	3.8	73
49	Influence of heat treatment on structural, electrical, impedance and optical properties of nanocrystalline ITO films grown on glass at room temperature prepared by electron beam evaporation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007 , 39, 69-74	3	61
48	Influence of Ag thickness on electrical, optical and structural properties of nanocrystalline MoO ₃ /Ag/ITO multilayer for optoelectronic applications. <i>Vacuum</i> , 2012 , 86, 1318-1322	3.7	46
47	Effect of heat treatment on characteristics of nanocrystalline ZnO films by electron beam evaporation. <i>Vacuum</i> , 2012 , 86, 871-875	3.7	41
46	The effect of Ag layer thickness on the properties of WO ₃ /Ag/MoO ₃ multilayer films as anode in organic light emitting diodes. <i>Journal of Luminescence</i> , 2012 , 132, 992-997	3.8	38
45	Multifractal analysis of ITO thin films prepared by electron beam deposition method. <i>Applied Surface Science</i> , 2008 , 254, 2168-2173	6.7	37
44	Comparison of metal oxides as anode buffer layer for small molecule organic photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 98, 379-384	6.4	36
43	Substrate temperature effect on transparent heat reflecting nanocrystalline ITO films prepared by electron beam evaporation. <i>Renewable Energy</i> , 2010 , 35, 1527-1530	8.1	33
42	Design and fabrication of nanometric ZnS/Ag/MoO ₃ transparent conductive electrode and investigating the effect of annealing process on its characteristics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013 , 47, 303-308	3	20
41	Substrate temperature effect on structural, optical and electrical properties of vacuum evaporated SnO ₂ thin films. <i>Materials Science in Semiconductor Processing</i> , 2012 , 15, 432-437	4.3	15
40	Design and construction of an improved nanometric ZnS/Ag/ZnS/Ag/ZnS transparent conductive electrode and investigating the effect of annealing on its characteristics. <i>Thin Solid Films</i> , 2013 , 539, 222-225 ^{2.2}	2.2	15
39	Reconstruction of two interfering wavefronts using Zernike polynomials and stochastic parallel gradient descent algorithm. <i>Optics Letters</i> , 2014 , 39, 1505-8	3	14
38	MTF of compound eye. <i>Optics Express</i> , 2010 , 18, 12304-10	3.3	12
37	Design and simulation of a high-resolution superposition compound eye. <i>Journal of Modern Optics</i> , 2007 , 54, 67-76	1.1	11
36	Improving light trapping of polymer solar cell via doping a new array of triple core-shell spherical nanoparticles utilizing realistic modeling. <i>Solar Energy</i> , 2018 , 163, 600-609	6.8	10

35	Wavefront sensing for a ShackHartmann sensor using phase retrieval based on a sequence of intensity patterns 2017 , 56, 1358		10
34	Nanocomposite perovskite based optical sensor with broadband absorption spectrum. <i>Sensors and Actuators A: Physical</i> , 2018 , 280, 47-51	3.9	9
33	Effective medium analysis of thermally evaporated Ag nanoparticle films for plasmonic enhancement in organic solar cell. <i>Superlattices and Microstructures</i> , 2015 , 85, 294-304	2.8	7
32	Preparation and characterization of indium zinc oxide thin films by electron beam evaporation technique. <i>Materials Research Bulletin</i> , 2011 , 46, 615-620	5.1	7
31	Application of the speckle-based phase retrieval method in reconstructing two unknown interfering wavefronts. <i>Optics Letters</i> , 2016 , 41, 4087-90	3	6
30	Growth of a seven pointed star shaped of vertical and uniform ZnO nanostructures on optical fiber via catalyst-free VLS mechanisms. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 118, 519-524	2.6	6
29	Synthesis, characterization, and optical properties of poly[2-(4-(2,2?-bithiophen-5-yl)phenyl)-4-(4-alkoxyphenyl)-6-phenylpyridine]s. <i>Designed Monomers and Polymers</i> , 2014 , 17, 401-415	3.1	5
28	Application of the transport of intensity equation in determination of nonlinear refractive index. <i>Applied Optics</i> , 2014 , 53, 8295-301	0.2	5
27	GROWTH AND CHARACTERIZATION OF CdS AND CdS:Ag LUMINESCENT QUANTUM DOTS DISPERSED IN SOLUTION. <i>Modern Physics Letters B</i> , 2010 , 24, 2591-2599	1.6	5
26	Iterative phase retrieval algorithm for reconstruction of two arbitrary interfering fields. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 3063	1.7	5
25	High efficiency metallic nanoshells for improving polymer solar cells performance: An opto-electrical study. <i>Solar Energy</i> , 2020 , 207, 409-418	6.8	5
24	Application of LDOS and multipole expansion technique in optimization of photonic crystal designs. <i>Optical and Quantum Electronics</i> , 2013 , 45, 67-77	2.4	4
23	pn Junction depth impact on short circuit current of solar cell. <i>Solar Energy</i> , 2009 , 83, 1629-1633	6.8	4
22	Gain-Assisted Surface Plasmon Resonance Refractive Index Sensor. <i>IEEE Sensors Journal</i> , 2017 , 17, 4466-4471	4	3
21	The thickness and deposition rate effects on structural and optical properties of aluminized PET. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	3
20	Physical investigation of ZnSe QDs synthesized by polyol method at 200 °C. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 1880-1886	2.1	3
19	Subjective evaluation of intraocular lenses by visual acuity measurement using adaptive optics. <i>Optics Letters</i> , 2012 , 37, 2226-8	3	3
18	Ultrahigh sensitive refractive index nanosensors based on nanoshells, nanocages and nanoframes: effects of plasmon hybridization and restoring force. <i>Scientific Reports</i> , 2021 , 11, 2065	4.9	3

17	Phase shifting in the spatial frequency domain. <i>Optical Engineering</i> , 2016 , 55, 034104	1.1	2
16	Effect of anode surface treatment by oblique ion bombardment method on organic light-emitting diodes performance. <i>Surfaces and Interfaces</i> , 2019 , 17, 100390	4.1	2
15	MODE TUNING IN PHOTONIC CRYSTAL CAVITIES USING GEOMETRY OF FIRST NEIGHBORING LAYER. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2012 , 21, 1250048	0.8	2
14	Astigmatic foci along a skew ray. <i>Journal of Modern Optics</i> , 2004 , 51, 1963-1982	1.1	2
13	Impact of hybrid plasmonic nanoparticles on the charge carrier mobility of P3HT:PCBM polymer solar cells. <i>Scientific Reports</i> , 2021 , 11, 19774	4.9	2
12	Lens design using iterative random selection of constructional parameters. <i>Journal of Modern Optics</i> , 2007 , 54, 1779-1791	1.1	1
11	Computational Search to Find Efficient Red/Near-Infrared Emitting Organic Molecules Based on Thermally Activated Delayed Fluorescence for Organic Light-Emitting Diodes. <i>Advanced Theory and Simulations</i> , 2100416	3.5	1
10	The Electrical and Thermal Analyses of Aluminized PET for Use in Thermal Layers. <i>Journal of Electronic Materials</i> , 2020 , 49, 5552-5560	1.9	1
9	Investigation of the laser induced damage thresholds of all-dielectric and metal-dielectric mirrors for a continuous wave at 10.6 μ m. <i>Optical Materials</i> , 2021 , 114, 110936	3.3	0
8	Efficiency enhancement of green organic light-emitting diode utilizing aromatic diamine/bathocuproine multiple quantum wells. <i>Optical Materials</i> , 2021 , 117, 111125	3.3	0
7	Phase reconstruction of two interfering fields using a lenslet array and an optimization method. <i>Journal of Optics (United Kingdom)</i> , 2019 , 21, 075702	1.7	
6	Synthesis, characterization, and optical properties of new pyridine- and thiophene-based copolymer bearing bulky naphthyl group. <i>Polymer Bulletin</i> , 2015 , 72, 2979-2990	2.4	
5	Determination of nonlinear refractive index by an iterative phase retrieval method. <i>Applied Optics</i> , 2020 , 59, 10618-10625	0.2	
4	Phase-shifting digital holography with an unknown reference beam. <i>EPJ Applied Physics</i> , 2021 , 96, 30701	1.1	
3	Theoretical investigation, synthesis and fabrication of efficient organometallic light emitting diodes based on Schiff base platinum complexes: A QTAIM study. <i>Surfaces and Interfaces</i> , 2022 , 29, 101747	4.7	
2	Designing and manufacturing of interference notch filter with a single reflection band. <i>Optik</i> , 2021 , 249, 168202	2.5	
1	Group Refractive Index of Nanocrystalline Yttria-Stabilized Zirconia Transparent Cranial Implants. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 619686	5.8	