Afrah Bardaoui

List of Publications by Year
in descending order

33	368	758635	839053
papers	citations	12 h-index	18 g-index

34	34	34	426
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural, morphological and electrical characteristics of electrodeposited Cu2O: Effect of deposition time. Applied Surface Science, 2016, 366, 383-388.	3.1	54
2	Correlation between optical and structural properties of copper oxide electrodeposited on ITO glass. Journal of Alloys and Compounds, 2014, 611, 142-148.	2.8	26
3	Design of siliconâ€based twoâ€dimensional photonic integrated circuits: XOR gate. IET Optoelectronics, 2013, 7, 25-29.	1.8	23
4	Synthesis and characterization of ZnO/Cu2O coreâ€“shell nanowires grown by two-step electrodeposition method. Applied Surface Science, 2015, 343, 148-152.	3.1	23
5	Morphological, structural and ellipsometric investigations of Cr doped TiO2 thin films prepared by solâ€“gel and spin coating. Ceramics International, 2016, 42, 10599-10607.	2.3	23
6	Characterization of Ag-doped ZnO thin films by spray pyrolysis and its using in enhanced photoelectrochemical performances. Inorganic Chemistry Communication, 2020, 119, 108114.	1.8	23
7	Correlation between Titanium foil substrate purity and TiO 2 NTs; physical and electrochemical properties for enhanced photoelectrochemical applications. International Journal of Hydrogen Energy, 2016, 41, 6230-6239.	3.8	19
8	Physical properties of graphene oxide GO-doped ZnO thin films for optoelectronic application. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	17
9	Photoluminescence studies of 2DEG confinement in InAs ultrathin layer introduced in GaAs/AlGaAs structure. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2134-2138.	1.3	14
10	Effects of gamma irradiation on photoluminescence and activation energy of epoxy resin. Superlattices and Microstructures, 2013, 55, 191-197.	1.4	14
11	Correlation between physical properties and growth mechanism of In2S3thin films fabricated by electrodeposition technique with different deposition times. EPJ Applied Physics, 2015, 72, 10302.	0.3	14
12	Metal deposition on porous silicon by immersion plating to improve photoluminescence properties. Journal of Luminescence, 2016, 173, 257-262.	1.5	14
13	Structural, optical and electrical properties of the Zn doped MoO3 deposited on porous silicon. Sensors and Actuators A: Physical, 2019, 297, 111537.	2.0	13
14	Annealing temperature investigation on electrodeposited Cu2O properties. Phase Transitions, 2020, 93, 1089-1099.	0.6	10
15	Photoreflectance study of InAs ultrathin layer embedded in Si-delta-doped GaAs/AlGaAs quantum wells. Journal of Luminescence, 2011, 131, 1007-1012.	1.5	9
16	Effect of rapid thermal treatment on optical properties of porous silicon surface doped lithium. Journal of Luminescence, 2015, 160, 176-180.	1.5	8
17	An easy-to achieve approach for the fabrication of CdS QDs sensitized TiO2 nanotubes and their enhanced photoelectrochemical performance. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 337-344.	2.0	8
18	Study of the structural, electronic, magnetic and magnetocaloric properties of La_{0.5}Ca_{0.5}Mn_{0.9}V_{0.1}O₃ sample: first-principles calculation (DFTâ€“MFT). RSC Advances, 2021, 11, 37896-37903.	1.7	8

#	Article	IF	Citations
19	Effect of rapid oxidation on optical and electrical properties of silicon nanowires obtained by chemical etching. EPJ Applied Physics, 2012, 58, 20103.	0.3	7
20	Photoluminescence study of nitrogen effects on confined states in GaAs_{1âˆ’x}N_xGaAs quantum wells. EPJ Applied Physics, 2009, 47, 30302.	0.3	6
21	Hydrothermal synthesis of CuMn2O4 spinel-coated stainless steel mesh as a supercapacitor electrode. Journal of Materials Science: Materials in Electronics, 2022, 33, 12726-12733.	1.1	5
22	Hydrothermal synthesis of Ag-doped ZnO/sepiolite nanostructured material for enhanced photocatalytic activity. Environmental Science and Pollution Research, 2022, 29, 67159-67169.	2.7	5
23	Ellipsometric investigation of porous silicon layers for the design of a DBR. EPJ Applied Physics, 2008, 43, 87-91.	0.3	4
24	Study of n+ type porous GaAs by photoluminescence spectroscopy: Effect of the etching time on the deep levels. Applied Surface Science, 2010, 256, 5946-5951.	3.1	4
25	Ellipsometric investigations of Fe3+-doped polyvinyl alcohol films. Colloid and Polymer Science, 2013, 291, 2705-2709.	1.0	4
26	Relationship between microstructure and optical properties of a novel perovskite C12PbI4 embedded in matrix of porous alumina. Superlattices and Microstructures, 2013, 53, 204-212.	1.4	4
27	Influence of single-walled carbon nanotubes functionalization in photocatalytic performance of pyramidal porous silicon: Experimental evidence. Materials Letters, 2020, 266, 127473.	1.3	3
28	Porous silicon optical microcavity for chemical sensing application using tris-(8-hydroxyquinoline) aluminum (Alq₃). EPJ Applied Physics, 2010, 51, 30701.	0.3	2
29	Spectroscopic ellipsometry investigation and morphological characterization of electrodeposited Cu2O thin films: annealing effect. Phase Transitions, 2020, 93, 1171-1182.	0.6	2
30	Correlation of atomic force microscopy and photoluminescence analysis of GaAs nanocrystallites elaborated by electrochemical etching of n⁺type GaAs. EPJ Applied Physics, 2010, 51, 20501.	0.3	1
31	Design and optimization of an OR gate all optical circuit based on silicon photonic crystals. EPJ Applied Physics, 2011, 56, 30501.	0.3	1
32	Photoluminescence study of the GaAs barrier effect on GaAs/GaInAs/GaAs quantum wells. , 2007, , .		0
33	Optical Constants of As-grown and RTA GaAs1-xNx Layers Analysed by Spectroscopic Ellipsometry. , 2007, , .		0