

Deo Prakash

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8966617/publications.pdf>

Version: 2024-02-01

29
papers

583
citations

623734

14
h-index

610901

24
g-index

29
all docs

29
docs citations

29
times ranked

597
citing authors

#	ARTICLE	IF	CITATIONS
1	First-Principle Calculations of Structural, Elastic, and Electronic Properties of Intermetallic Rare Earth R ₂ Ni ₂ Pb (R = Ho, Lu, and Sm) Compounds. Journal of Superconductivity and Novel Magnetism, 2018, 31, 395-403.	1.8	90
2	Optical investigation of nanophotonic lithium niobate-based optical waveguide. Applied Physics B: Lasers and Optics, 2015, 121, 107-116.	2.2	52
3	UAVs path planning architecture for effective medical emergency response in future networks. Physical Communication, 2021, 47, 101337.	2.1	50
4	Investigations of the Structural, Electronic, Magnetic, and Half-Metallic Behavior of Co ₂ MnZ (Z = Al, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 809-817.	1.8	41
5	Determination of the optical constants and film thickness of ZnTe and ZnS thin films in terms of spectrophotometric and spectroscopic ellipsometry. Ceramics International, 2016, 42, 2676-2685.	4.8	37
6	Structural, electronic, elastic, thermoelectric and thermodynamic properties of the NbMSb half heusler (M=Fe, Ru, Os) compounds with first principle calculations. Superlattices and Microstructures, 2016, 93, 171-185.	3.1	31
7	Post annealing effects on structural, optical and electrical properties of CuSbS ₂ thin films fabricated by combinatorial thermal evaporation technique. Superlattices and Microstructures, 2016, 89, 136-144.	3.1	30
8	Optical investigations of blue shift in ZnS quantum dots. Superlattices and Microstructures, 2015, 88, 662-667.	3.1	27
9	Thickness-dependent dispersion parameters, energy gap and nonlinear refractive index of ZnSe thin films. Materials Research Bulletin, 2016, 80, 120-126.	5.2	26
10	Secure Cloud Data Storage System using Hybrid Paillier-Blowfish Algorithm. Computers, Materials and Continua, 2021, 67, 779-798.	1.9	25
11	Fabrication, analysis and characterization of Cu ₂ Zn _{1-<i>x</i>} Cd _{<i>x</i>} SnS ₄ quaternary alloy nanostructures deposited on GaN. Journal of Materials Science, 2016, 51, 6876-6885.	3.7	22
12	Optical analysis of lens-like Cu ₂ CdSnS ₄ quaternary alloy nanostructures. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	22
13	Synthesis, purification and microstructural characterization of nickel doped carbon nanotubes for spintronic applications. Ceramics International, 2016, 42, 5600-5606.	4.8	21
14	Zinc selenide nanoparticles (ZnSe-NPs): Green synthesis and investigation of their cytotoxicity effects. Ceramics International, 2016, 42, 12115-12118.	4.8	15
15	Combined theoretical studies of the optical characteristics of II-IV-V ₂ semiconductor thin films. Optical Materials, 2016, 54, 200-206.	3.6	14
16	Effect of Cadmium Concentration on Structural, Optical, and Electrical Properties of Cu ₂ Zn _{1-<i>x</i>} Cd _{<i>x</i>} SnS ₄ Quaternary Alloy Nanofibres, Synthesized by Electrospinning Technique. Journal of Nanomaterials, 2016, 2016, 1-11.	2.7	12
17	Investigation of optical properties of amorphous Ge ₁₅ Se _{85-<i>x</i>} Cu _{<i>x</i>} thin films using spectroscopic ellipsometry. Solid State Sciences, 2016, 52, 65-71.	3.2	10
18	Computational investigations on band structure and electronic features of chromium-based carbides and nitride Cr ₃ PX (X=AC and N) through the FP-APW+LO approach. Superlattices and Microstructures, 2017, 109, 1-12.	3.1	10

#	ARTICLE	IF	CITATIONS
19	Deep Learning Based Mathematical Model for Feature Extraction to Detect Corona Virus Disease using Chest X-ray Images. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2021, 29, 921-947.	1.9	10
20	Analysis of HLB pass filter using silicon photonics structure. Optik, 2017, 144, 522-527.	2.9	7
21	A decision support system for surveillance of smart cities via a novel aggregation operator on intuitionistic fuzzy sets. Multimedia Tools and Applications, 2022, 81, 22587-22608.	3.9	7
22	High efficiency polymer grating SOI structures for optical interconnect: An application of organic photonics. Optik, 2016, 127, 10948-10952.	2.9	6
23	A deep learning based approach to detect IDC in histopathology images. Multimedia Tools and Applications, 2022, 81, 36309-36330.	3.9	5
24	Compositional analysis and optical properties of Co doped TiO ₂ thin films fabricated by spray pyrolysis method for dielectric and photocatalytic applications. Optik, 2017, 128, 212-217.	2.9	4
25	COACT: a query interface language for collaborative databases. Distributed and Parallel Databases, 2018, 36, 121-151.	1.6	3
26	Growth of (111) Oriented CeO ₂ Thin Films and Their Structural and Optical Properties. Science of Advanced Materials, 2012, 4, 1154-1159.	0.7	3
27	Computational analysis of higher order optical vortex. Optik, 2016, 127, 722-727.	2.9	2
28	Realization and computational analysis of splitting in higher order optical vortices. Optik, 2016, 127, 5757-5760.	2.9	1
29	Optimized Routing for Efficient Data Dissemination in MANET to Meet the Fast-Changing Technology. Journal of Global Information Management, 2018, 26, 25-36.	2.8	0