

B Bindhu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

166
citations

1478505

6
h-index

1199594

12
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28
all docs

28
docs citations

28
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron Nitride reinforced polylactic acid composites film for packaging: Preparation and properties. <i>Polymer Testing</i> , 2018, 66, 172-177.	4.8	35
2	A polymer blend from Gum Arabic and Sodium Alginate - preparation and characterization. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	32
3	Molybdenum disulfide nanoflakes through Li-AHA assisted exfoliation in an aqueous medium. <i>RSC Advances</i> , 2016, 6, 22026-22033.	3.6	17
4	Perspectives of polylactic acid from structure to applications. <i>Polymers From Renewable Resources</i> , 2021, 12, 60-74.	1.3	17
5	Validation of PRIMO monte carlo model of clinac [®] ix 6mv photon beam. <i>Journal of Medical Physics</i> , 2020, 45, 24.	0.3	8
6	Highly Stable ZrO ₂ /Silicone Oil Nanofluid for Cutting Fluid Applications. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 949-956.	3.0	7
7	Modified molybdenum disulfide induced beta polymorph phase transition in Polyvinylidene fluoride. <i>Chemical Physics Letters</i> , 2020, 740, 137081.	2.6	6
8	An eco-friendly green biopolymer blend for copper corrosion inhibition. <i>Polymer Bulletin</i> , 2022, 79, 121-136.	3.3	6
9	Emerging Trends in Nano Structured Silicon Detectors for Neutron Spectroscopy. <i>Silicon</i> , 2022, 14, 1331-1337.	3.3	6
10	Studies on the effect of phyllanthus emblica extract on the growth of urinary type struvite crystals invitro. <i>Clinical Phytoscience</i> , 2015, 1, .	1.6	5
11	Impact of surface-modified molybdenum disulphide on crystallization, thermal and mechanical properties of polyvinylidene fluoride. <i>Polymer Bulletin</i> , 2020, 77, 757-773.	3.3	5
12	Effects of hafnium on the structural, optical and ferroelectric properties of solâ€“gel synthesized barium titanate ceramics. <i>Journal of the Korean Ceramic Society</i> , 2022, 59, 240-251.	2.3	4
13	Ionic liquid assisted exfoliation and dispersion of molybdenum disulphide: Synthesis and characterization. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
14	Preparation and Characterization of Few Layered MoS ₂ Nano Flakes. <i>International Journal of Recent Technology and Engineering</i> , 2019, 8, 146-148.	0.2	3
15	Structural and optical analyses of solâ€“gel synthesized hafnium-doped barium calcium titanate. <i>Bulletin of Materials Science</i> , 2022, 45, 1.	1.7	3
16	Aqueous Exfoliation Of Molybdenum Disulfide Using Ultrasonication. <i>Materials Today: Proceedings</i> , 2018, 5, 13152-13156.	1.8	2
17	Medicinal Implication of Syzygium Cumini Nut on the Growth of Brushite Crystals. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2019, 89, 587-592.	1.2	2
18	The estimation of radiation induced damages on nano-structured nuclear radiation detectors. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	Silicon based nano-sensors for neutron dosimetry: Proof of concept. Materials Today: Proceedings, 2020, 33, 2293-2295.	1.8	1
20	Enhancement of the optical properties of fluorinated boron nitride nanosheets. AIP Conference Proceedings, 2020, , .	0.4	1
21	Surface Modification of Boron Nitride Nanosheets for Effective Heat Transfer Applications. Chemistry Africa, 0, , 1.	2.4	1
22	Efficient mixed solvent strategy for boron nitride exfoliation. AIP Conference Proceedings, 2019, , .	0.4	0
23	Hydroxylation of boron nitride nanosheets. AIP Conference Proceedings, 2020, , .	0.4	0
24	Functionalized boron nitride with enhanced property. AIP Conference Proceedings, 2020, , .	0.4	0
25	Nitric acid assisted sol-gel synthesis of cobalt ferrite nano particles. Materials Today: Proceedings, 2020, 33, 1234-1237.	1.8	0
26	AN EXPERIMENTAL STUDY ON SURFACE MODIFIER ASSISTED EXFOLIATION OF MOLYBDENUM DISULPHIDE IN A MIXED SOLVENT. Rasayan Journal of Chemistry, 2019, 12, 1872-1880.	0.4	0
27	Effects of Epithermal Neutron Irradiation on the Characteristics of the Porous Silicon. Silicon, 0, , 1.	3.3	0