

Biplab Kumar Paul

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4233628/publications.pdf>

Version: 2024-02-01

22
papers

324
citations

759233

12
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Size engineered Cu-doped $\hat{\Gamma}$ -MnO ₂ nanoparticles for exaggerated photocatalytic activity and energy storage application. <i>Materials Research Bulletin</i> , 2019, 115, 159-169.	5.2	58
2	Visible light driven degradation of brilliant green dye using titanium based ternary metal oxide photocatalyst. <i>Results in Physics</i> , 2019, 12, 1850-1858.	4.1	39
3	Synthesis and Property of Copper-Impregnated $\hat{\Gamma}$ -MnO ₂ Semiconductor Quantum Dots. <i>Langmuir</i> , 2018, 34, 12702-12712.	3.5	25
4	Copper doped $\hat{\Gamma}$ -MnO ₂ nano-sphere: metamaterial for enhanced supercapacitor and microwave shielding applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5132-5147.	5.5	24
5	Improvisation of electrical properties of PVDF-HFP: use of novel metallic nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14798-14808.	2.2	22
6	Abrupt change of dielectric properties in mullite due to titanium and strontium incorporation by sol-gel method. <i>Journal of Advanced Ceramics</i> , 2014, 3, 278-286.	17.4	21
7	Delafossite type CuCo _{0.5} Ti _{0.5} O ₂ composite structure: A futuristic ceramics for supercapacitor and EMI shielding application. <i>Ceramics International</i> , 2021, 47, 9907-9922.	4.8	19
8	Dielectric switching above a critical frequency occurred in iron mullite composites used as an electronic substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 5218-5225.	2.2	14
9	Enhanced dielectric properties and conductivity of triturated copper and cobalt nanoparticles-doped PVDF-HFP film and their possible use in electronic industry. <i>Materials Research Innovations</i> , 2017, 21, 166-171.	2.3	14
10	Enhancement of $\hat{\Gamma}$ -phase crystallization and electrical properties of PVDF by impregnating ultra high diluted novel metal derived nanoparticles: prospect of use as a charge storage device. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14535-14545.	2.2	13
11	Tungsten doped hydroxyapatite processed at different temperatures: dielectric behaviour and anti-microbial properties. <i>New Journal of Chemistry</i> , 2018, 42, 16948-16959.	2.8	13
12	A comparative study of strontium and titanium doped mullite in PVDF matrix and their phase behavior, microstructure and electrical properties. <i>Materials Chemistry and Physics</i> , 2017, 187, 119-132.	4.0	12
13	High dielectric response of cobalt aluminate mullite (CAM) nanocomposite over cobalt aluminate mullite polymer (CAMP) nanocomposite in PVDF matrix. <i>Journal of Electroceramics</i> , 2018, 40, 347-359.	2.0	9
14	High-K tungsten-mullite composite for electronic industrial application: synthesis and study of its microstructure, phase behavior and electrical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1172-1180.	2.2	8
15	Effect of Homeopathic Dilutions of Cuprum Arsenicosum on the Electrical Properties of Poly(Vinylidene Fluoride-Co-Hexafluoropropylene). <i>Homeopathy</i> , 2018, 107, 130-136.	1.0	7
16	Iron-Doped, Mullite-Impregnated PVDF Composite: An Alternative Separator for a High Charge Storage Ceramic Capacitor. <i>Journal of Electronic Materials</i> , 2018, 47, 7075-7084.	2.2	7
17	Colossal dielectric and room temperature ferromagnetic response in CCoTO delafossite type nanostructure. <i>Solid State Sciences</i> , 2020, 102, 106136.	3.2	7
18	Investigation of giant dielectric and room temperature ferromagnetic response of facile CZTO nanostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13108-13117.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Influence of nickel ion-doped mullite composite on electrical properties, phase behavior, and microstructure of poly(vinylidene fluoride) matrix. Journal of Polymer Research, 2016, 23, 1.	2.4	4
20	A mechanistic insight into the bioaccessible herbometallic nanodrug as potential dual therapeutic agent. Materials Today Communications, 2020, 24, 101099.	1.9	1
21	Ferromagnetic, dielectric, and ferroelectric characteristic near the morphotropic phase boundary in $(1-x)(0.7\text{BiFeO}_3-0.3\text{BiNaO}_{0.5}\text{TiO}_3)-x(\text{CaTiO}_3)$ solid solution. Ceramics International, 2021, 47, 20268-20275.	4.8	1
22	Third-order optical nonlinearity of the $\text{CuCo}_0.5\text{Ti}_0.5\text{O}_2$ nanostructure under 120 fs laser irradiation. Applied Optics, 2019, 58, 9163.	1.8	1