

# Biplab Kumar Paul

## List of Publications by Year in descending order

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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	Delafossite type $\text{CuCo}_0.5\text{Ti}_0.5\text{O}_2$ composite structure: A futuristic ceramics for supercapacitor and EMI shielding application. <i>Ceramics International</i> , 2021, 47, 9907-9922.	4.8	19
2	Ferromagnetic, dielectric, and ferroelectric characteristic near the morphotropic phase boundary in $(1-x)(0.7\text{BiFeO}_3-0.3\text{BiNa}_0.5\text{TiO}_3)-x(\text{CaTiO}_3)$ solid solution. <i>Ceramics International</i> , 2021, 47, 20268-20275.	4.8	1
3	Copper doped $\text{MnO}_2$ nano-sphere: metamaterial for enhanced supercapacitor and microwave shielding applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5132-5147.	5.5	24
4	Colossal dielectric and room temperature ferromagnetic response in CCoTO delafossite type nanostructure. <i>Solid State Sciences</i> , 2020, 102, 106136.	3.2	7
5	A mechanistic insight into the bioaccessible herbometallic nanodrug as potential dual therapeutic agent. <i>Materials Today Communications</i> , 2020, 24, 101099.	1.9	1
6	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
7	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
8	Size engineered Cu-doped $\text{MnO}_2$ nanoparticles for exaggerated photocatalytic activity and energy storage application. <i>Materials Research Bulletin</i> , 2019, 115, 159-169.	5.2	58
9	Third-order optical nonlinearity of the $\text{CuCo}_0.5\text{Ti}_0.5\text{O}_2$ nanostructure under 120 fs laser irradiation. <i>Applied Optics</i> , 2019, 58, 9163.	1.8	1
10	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
11	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
12	Synthesis and Property of Copper-Impregnated $\text{MnO}_2$ Semiconductor Quantum Dots. <i>Langmuir</i> , 2018, 34, 12702-12712.	3.5	25
13	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
14	Enhancement of $\beta$ -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
15	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
16	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
17	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
18	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

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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	High-K tungsten-mullite composite for electronic industrial application: synthesis and study of its microstructure, phase behavior and electrical properties. Journal of Materials Science: Materials in Electronics, 2015, 26, 1172-1180.	2.2	8
21	Dielectric switching above a critical frequency occurred in iron mullite composites used as an electronic substrate. Journal of Materials Science: Materials in Electronics, 2014, 25, 5218-5225.	2.2	14
22	Abrupt change of dielectric properties in mullite due to titanium and strontium incorporation by sol-gel method. Journal of Advanced Ceramics, 2014, 3, 278-286.	17.4	21