Anindya Sundar Das

List of Publications by Year
in descending order

24	288	759233	940533
papers	citations	12 h-index	16 g-index

24	24	24	143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effect of transition metal and heavy metal incorporation on the structural, optical and electrical properties of zinc-phosphate ternary glassy system: A comparative study. Materials Chemistry and Physics, 2022, 278, 125672.	4.0	9
2	Microstructure and defects of 0.1P2O5â€“0.65ZnOâ€“0.25(xTeO2â€“(1-x)MoO3) quaternary glass nanocomposites using positron annihilation and correlated experimental methods. Journal of Physics and Chemistry of Solids, 2022, 163, 110598.	4.0	2
3	Influence of V2O5 concentration on structural and electrical transport properties of semiconducting ternary glass and glass-ceramics nanocomposite system. Journal of Non-Crystalline Solids, 2022, 589, 121659.	3.1	5
4	Study of mixed modifier effect on dielectric and optical properties of zinc-phosphate based ternary and quaternary nanocomposite systems. Journal of Non-Crystalline Solids, 2022, 591, 121701.	3.1	5
5	Investigation of microstructural, optical, physical properties and dielectric relaxation process of sulphur incorporated seleniumâ€“tellurium ternary glassy systems. Materials Chemistry and Physics, 2021, 257, 123793.	4.0	19
6	Investigation of optical properties and electrical conductivity mechanism of Fe2O3â€“Sm2O3â€“ZnOâ€“P2O5 quaternary glass nanocomposite systems. Materialia, 2021, 15, 100963.	2.7	15
7	Structural evolution of zinc selenite nanocomposite system with molybdenum trioxide as modifier studied by positron annihilation and allied experimental methods. Materialia, 2021, 15, 100969.	2.7	2
8	Positron annihilation and correlated dielectric property studies of a transition metal oxide-modified quaternary nanocomposite 0.1P2O5â€“0.4ZnOâ€“0.5(xV2O5â€“(1â^'x)MoO3). Journal of Alloys and Compounds, 2021, 864, 158395.	5.5	7
9	Effect of Zn incorporation on physical properties of quaternary 0.7Seâ€“0.2Geâ€“(0.1-x)Sbâ€“xZn chalcogenide system: A theoretical prediction. Physica B: Condensed Matter, 2021, 612, 412896.	2.7	5
10	Compositional dependence of structural, physical, and, in particular, optical parameters of Se50â€“Te30Sn20Sb chalcogenide glassy systems. Materials Chemistry and Physics, 2021, 274, 125153.	4.0	9
11	Influence of samarium content on structural, thermal, linear and non-linear optical properties of ZnOâ€“TeO2â€“P2O5 glasses. Materials Chemistry and Physics, 2020, 255, 123561.	4.0	32
12	Structural properties and electrical conductivity mechanisms of semiconducting quaternary nanocomposites: Effect of two transition metal oxides. Journal of Physics and Chemistry of Solids, 2020, 144, 109505.	4.0	17
13	Study of microstructure and electrical conduction mechanisms of quaternary semiconducting glassy systems: Effect of mixed modifiers. Journal of Non-Crystalline Solids, 2020, 542, 120104.	3.1	15
14	Investigation of microstructure and temperature and frequency dependent dielectric relaxation of Molybdenum-zinc-selenite glass nanocomposite systems. Materials Research Express, 2019, 6, 115205.	1.6	9
15	Structural defects characterization of silver-phosphate glass nanocomposites by positron annihilation and related experimental studies. Materials Characterization, 2019, 158, 109928.	4.4	14
16	Consequence of the heat-treatment on the ionic conductivity of silver-tellurite glass nanocomposites. Journal of Non-Crystalline Solids, 2019, 506, 51-57.	3.1	3
17	Lithium ion conductivity in Li2Oâ€“P2O5â€“ZnO glass-ceramics. Journal of Alloys and Compounds, 2019, 786, 707-716.	5.5	18
18	Structural characterization and electrical conductivity analysis of MoO3â€“SeO2â€–ZnO semiconducting glass nanocomposites. Journal of Non-Crystalline Solids, 2019, 515, 21-33.	3.1	21

#	Article	IF	Citations
19	Investigation of Ac conductivity mechanism and dielectric relaxation of semiconducting neodymium-vanadate nanocomposites: temperature and frequency dependency. Materials Research Express, 2019, 6, 075206.	1.6	25
20	An investigation of Sâ€“Seâ€“Te semiconducting glassy alloys: Structural characterization and electrical conductivity. Journal of Non-Crystalline Solids, 2019, 510, 101-111.	3.1	16
21	Defects characterization and study of amorphous phase formation in xV2O5-(1-x)Nd2O3 binary glass nanocomposites using positron annihilation and correlated experimental techniques. Journal of Alloys and Compounds, 2018, 753, 748-760.	5.5	16
22	Identification of defects in the transition metal oxide-doped glass nanocomposite xV2O5â€“(1-x)(0.05MoO3â€“0.95ZnO) using positron annihilation spectroscopy and other techniques. Journal of Non-Crystalline Solids, 2018, 482, 52-62.	3.1	12
23	Investigations of Microstructure and Dc Conductivity of V₂O₅â€Nd₂O₃ Glass Nanocomposites. ChemistrySelect, 2017, 2, 11273-11280.	1.5	7
24	Structural and Optical Properties of V2O5-MoO3-ZnO Glass-Nanocomposite System. Transactions of the Indian Ceramic Society, 2016, 75, 120-125.	1.0	5