Athianna Muthusamy

List of Publications by Year
in descending order

18	308	933447 10	888059 17
papers	citations	h-index	g-index

18	18	18	327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High temperature PEMs developed from the blends of Polybenzimidazole and poly(azomethine-ether). Journal of Polymer Research, 2019, 26, 1.	2.4	96
2	Synthesis and Spectral Characterization of Cross Linked Rigid Structured Schiff Base Polymers: Effect of Substituent Position Changes on Optical, Electrical, and Thermal Properties. Polymer-Plastics Technology and Engineering, 2016, 55, 368-378.	1.9	29
3	Temperature and frequency dependent dielectric properties of electrically conducting oxidatively synthesized polyazomethines and their structural, optical, and thermal characterizations. Journal of Molecular Structure, 2017, 1128, 730-740.	3.6	26
4	Synthesis, characterization, optical and electrical properties of thermally stable polyazomethines derived from 4,4â€²-oxydianiline. Journal of Adhesion Science and Technology, 2015, 29, 2605-2621.	2.6	25
5	Recognition of Fe3+ by a new azine-based fluorescent â€œturn-offâ€•chemosensor and its binding mode analysis using DFT. Journal of Molecular Structure, 2020, 1208, 127834.	3.6	24
6	Synthesis, thermal, and photocrosslinking studies of thermotropic liquid crystalline poly(benzylideneâ€•ether)esters containing Î±,Î²â€•unsaturated ketone moiety in the main chain. Journal of Polymer Science Part A, 2013, 51, 1707-1715.	2.3	18
7	Investigation of aggregation induced emission in 4-hydroxy-3-methoxybenzaldehyde azine and polyazine towards application in (opto) electronics: synthesis, characterization, photophysical and electrical properties. Designed Monomers and Polymers, 2017, 20, 234-249.	1.6	14
8	Synthesis, characterization, optical, thermal and electrical properties of polybenzimidazoles. Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 243-252.	2.2	13
9	Synthesis and Characterization of Liquid Crystalline Polyesters Containing Î±,Î²-unsaturated Ketone Moiety in the Main Chain Derived from 2,6-bis(4-hydroxybenzylidene)cyclohexanone. Polymer Science - Series B, 2020, 62, 245-255.	0.8	13
10	Preparation, Electrical and Magnetic Properties of Poly(m-phenylenediamine)/ZnFe2O4 Nanocomposites. Journal of Superconductivity and Novel Magnetism, 2018, 31, 497-504.	1.8	11
11	Electrical and magnetic properties of poly(m-phenylenediamine)/NiFe2O4 nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 15754-15761.	2.2	10
12	Magnetic, electrical and gas sensing properties of poly(o-phenylenediamine)/MnCoFe2O4 nanocomposites. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	10
13	Synthesis, characterization, thermal, electrical and electrochemical studies of oligo nitrobenzimidazoles and their pâ€“n diode applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 13429-13441.	2.2	4
14	Synthesis, Structural, Magnetic and Electrical Characterization of Poly(o-phenylenediamine)/CoFe2O4 Nanocomposites. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1489-1497.	1.8	3
15	Investigation of magnetic, dielectric and ethanol sensing properties of poly(o-phenylenediamine)/NiFe2O4 nanocomposites. Journal of Materials Science: Materials in Electronics, 2018, 29, 3135-3145.	2.2	3
16	Study of Magnetic and Electrical Properties of Poly(o-phenylenediamine)/Manganese Substituted ZnFe2O4 Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3441-3459.	3.7	3
17	Magnetic, Dielectric and Ethanol Gas Sensing Properties of Poly(o-phenylenediamine)/(MnNi)Fe2O4 Nanocomposites and Quantum Chemical Calculations of (MnNi)Fe2O4. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2173-2191.	3.7	3
18	Synthesis, characterization, theoretical investigations and fluorescent sensing behavior of oligomeric azine-based Fe³⁺Chemosensors. High Performance Polymers, 2022, 34, 321-336.	1.8	3