Murugendrappa M V

List of Publications by Year
in descending order

48 papers	523 citations	623188 14 h-index	713013 21 g-index
49 all docs	49 docs citations	49 times ranked	608 citing authors

#	Article	IF	Citations
1	Synthesis, characterization and conductivity studies of polypyrrole-fly ash composites. Bulletin of Materials Science, 2005, 28, 565-569.	0.8	51
2	Conductivity and dielectric properties of PEDOT-PSS doped DMSO nano composite thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 8332-8339.	1.1	47
3	Synthesis, characterization and DC conductivity studies of polypyrrole/copper zinc iron oxide nanocomposites. Journal of Asian Ceramic Societies, 2017, 5, 227-234.	1.0	44
4	Effect of fuels on conductivity, dielectric and humidity sensing properties of ZrO₂ nanocrystals prepared by low temperature solution combustion method. Journal of Asian Ceramic Societies, 2016, 4, 309-318.	1.0	31
5	Chemical synthesis, characterization, and direct-current conductivity studies of polypyrrole/Î³-Fe2O3 composites. Journal of Applied Polymer Science, 2007, 103, 2797-2801.	1.3	29
6	Synthesis, characterization and ac conductivity studies of polypyrroleâ€“vanadium pentaoxide composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 459, 371-374.	2.6	23
7	Impedance spectroscopy studies on PbFe0.5Nb0.5O3 â€“BiFeO3 multiferroic solid solution. Ceramics International, 2017, 43, 16684-16692.	2.3	21
8	Structural, dielectric and conductivity studies of PbFe0.5Nb0.5O3 - BiFeO3 multiferroic solid solution. Journal of Alloys and Compounds, 2017, 724, 787-798.	2.8	21
9	Three-Dimensional Variable Range Hopping and Thermally Activated Conduction Mechanism of Polypyrrole/Zinc Cobalt Oxide Nanocomposites. Journal of Physical Chemistry C, 2020, 124, 21772-21781.	1.5	20
10	Synthesis, characterization and D. C. conductivity studies of polypyrrole/molybdenum trioxide composites. Polymer Science - Series B, 2014, 56, 935-939.	0.3	19
11	Enhanced Charge Transport and Corrosion Protection Properties of Polyanilineâ€“Carbon Nanotube Composite Coatings on Mild Steel. Journal of Electronic Materials, 2020, 49, 341-352.	1.0	18
12	Dielectric spectroscopy of polypyrroleâ€“Î³â€“Fe2O3 composites. Materials Research Bulletin, 2006, 41, 1364-1369.	2.7	17
13	A Feasibility Study of Polypyrrole/Zinc Tungstate (Ceramics) Nano Composites for D. C. Conductivity and as a Humidity Sensor.. Materials Today: Proceedings, 2018, 5, 2803-2810.	0.9	16
14	Effect of barium lanthanum manganite nano particle on the electric transport properties of polypyrrole at room temperature. Journal of Materials Science: Materials in Electronics, 2019, 30, 10776-10791.	1.1	16
15	Room temperature ac conductivity, dielectric properties and impedance analysis of polypyrrole-zinc cobalt oxide (PPy/ZCO) composites. Physica B: Condensed Matter, 2019, 573, 36-44.	1.3	12
16	Thermo-electric power and humidity sensing studies of the polypyrrole/tantalum pentoxide composites. Journal of Materials Science: Materials in Electronics, 2016, 27, 1044-1055.	1.1	11
17	Effect of Sintering Temperature and Duration on the Formation of Single-Phase Pb0.9Bi0.1Fe0.55Nb0.45O3 Solid Solution. Transactions of the Indian Ceramic Society, 2016, 75, 181-184.	0.4	11
18	Structural Characterization and Dielectric studies of Gd doped ZrO2 nano crystals Synthesized by Solution combustion method. Materials Today: Proceedings, 2018, 5, 21195-21204.	0.9	11

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19	Temperature-dependent transport properties of micro and nano-sized zinc cobalt oxide (ZnCo2O4) and zinc manganese oxide (ZnMn2O4) particles synthesized by a hydrothermal route. Ceramics International, 2020, 46, 22492-22503.	2.3	11
20	Thermo-electric power study of polypyrrole/molybdenum trioxide composites. Polymer Science - Series A, 2015, 57, 467-472.	0.4	8
21	Photoluminescence, Raman and conductivity studies of CaSO<SUB align="right">4 nanoparticles. International Journal of Nanotechnology, 2017, 14, 845.	0.1	8
22	Study of dielectric properties of polypyrrole/titanium dioxide and polypyrrole/titanium dioxide-MWCNT nano composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 2848-2859.	1.1	8
23	Synthesis and characterization of WO3-doped polyaniline to sense biomarker VOCs of Malaria. Applied Nanoscience (Switzerland), 2021, 11, 29-44.	1.6	7
24	A study of thermo-electric power and transport properties of polypyrrole/ash (paddy husk) nano-composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 11230-11242.	1.1	6
25	Studies of thermo-electric power and dielectric modulus of polypyrrole/zirconium oxide-molybdenum trioxide (PZM) composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 6564-6578.	1.1	6
26	Transport and complex modulus study of La0.7Ca0.3MnO3 perovskite manganite nano-compound with polypyrrole as host. Polymer Bulletin, 2019, 76, 5363-5380.	1.7	5
27	Facile green synthesis, characterization and transport properties of LiAlSiO4:Ce3+ nanocomposites. Ceramics International, 2020, 46, 9706-9713.	2.3	5
28	Lab Scale Study on Humidity Sensing and D.C. Conductivity of Polypyrrole/Strontium Arsenate (Sr3(AsO4)2) Ceramic Composites. Polymer Science - Series B, 2018, 60, 395-404.	0.3	4
29	Conduction and relaxation mechanisms in gadolinium oxide nanoparticle doped polyvinyl alcohol films. Materials Today Communications, 2020, 23, 100942.	0.9	4
30	Fabrication, characterization, and malaria biomarker VOC-sensing properties of WO3-doped polyaniline. Journal of Materials Science: Materials in Electronics, 2021, 32, 11243-11263.	1.1	4
31	Investigation of temperature-dependent conduction mechanism in MnCo2O4/polypyrrole nanocomposites by three-dimensional variable range hopping (3D-VRH) and band-conduction model. Journal of Applied Physics, 2021, 130, .	1.1	4
32	Synthesis and Characterization of Polypyrrole/ Praseodymium Calcium Manganite Oxide Nanocomposites. Materials Today: Proceedings, 2018, 5, 2818-2823.	0.9	3
33	Effect of Sn doping at Sb sites on the structural and optical properties of Co2Sb6 nanostructures. AIP Conference Proceedings, 2019, , .	0.3	3
34	Synthesis, characterization and electrical susceptance studies of Polypyrrole/La0.7Ca0.3MnO3 Nano composites. Materials Today: Proceedings, 2018, 5, 3137-3142.	0.9	2
35	Synthesis, Characterization Studies ofPolypyrrole/Strontium Titanate (Nano Ceramic) Composites. Materials Today: Proceedings, 2018, 5, 3158-3164.	0.9	2
36	Experimental Studies of D.C. Conductivity and Thermo Electric Power of Polypyrrole/Titanium Dioxide Nano Composites. Materials Today: Proceedings, 2018, 5, 20874-20881.	0.9	2

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37	Synthesis, characterization and weight percent effect on humidity sensing properties of Polypyrrole/AlCeO3 (PPy/ACO) nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 423-433.	1.0	2
38	Structural, Electrical, Thermal and Transport Properties of Poly Pyrrole/La0.7Ca0.3MnO3 Perovskite Manganite Nano Composite Studies Above Room Temperature. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 841-858.	1.9	2
39	A study on the effect of PVDF on the structural and transport properties of polyaniline. International Journal of Polymer Analysis and Characterization, 2020, 25, 176-187.	0.9	2
40	Influence of Nickel zinc Iron oxide Nanoparticles on AC Conductivity and Dielectric Properties of Polypyrrole. Materials Today: Proceedings, 2018, 5, 2479-2487.	0.9	1
41	Impedance study of synthesized Cobalt Aluminum Oxide/ Polypyrrole Nano-composites. Materials Today: Proceedings, 2018, 5, 2955-2959.	0.9	1
42	Chemically Synthesized Polypyrrole/Titanium Dioxide-MWCNT (PTM) Nano Composites for Experimental Studies of D.C. Conductivity and Thermo Electric Power. Materials Today: Proceedings, 2018, 5, 20882-20889.	0.9	1
43	Optical band gap determination of calcium doped lanthanum manganite nano particle tailored with polypyrrole. AIP Conference Proceedings, 2018, , .	0.3	1
44	Effect of Cobalt Aluminum Oxide Nanoparticles on the Structural, DC Conductivity and Humidity Sensing Properties of Polypyrrole. Journal of Macromolecular Science - Physics, 2020, 59, 821-835.	0.4	1
45	Dielectric Relaxation, Complex Impedance Analysis and Magnetic Properties of Nickel Substituted Calcium Nano Ferrites for High Frequency Applications. Journal of Computational and Theoretical Nanoscience, 2018, 15, 3608-3615.	0.4	1
46	Studies on room-temperature acetone sensing properties of ZnCo2O4/PPy and MnCo2O4/PPy nanocomposites for diabetes diagnosis. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	1
47	Experimental studies on a. c. conductivity of the polypyrrole/ash (paddy husk) nano-composites. Materials Today: Proceedings, 2018, 5, 2496-2502.	0.9	0
48	A.C. Conductivities of Polypyrrole/Titanium Dioxide and Polypyrrole/Titanium Dioxide-MWCNT Nano Composites: A Comparative Study. Materials Today: Proceedings, 2018, 5, 21217-21224.	0.9	0