

Faiz Mohammad

List of Publications by Year in descending order

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30
papers

842
citations

516710

16
h-index

477307

29
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30
docs citations

30
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal stability, electrical conductivity and ammonia sensing studies on p-toluenesulfonic acid doped polyaniline:titanium dioxide (pTSA/Pani:TiO ₂) nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 122-129.	7.8	159
2	Indian Medicinal Plants: A Potential Source for Anticandidal Drugs. <i>Pharmaceutical Biology</i> , 1999, 37, 237-242.	2.9	79
3	Synthesis, characterisation and ethanol sensing application of polythiophene/graphene nanocomposite. <i>Materials Chemistry and Physics</i> , 2020, 239, 122324.	4.0	64
4	Chemical sensing, thermal stability, electrochemistry and electrical conductivity of silver nanoparticles decorated and polypyrrole enwrapped boron nitride nanocomposite. <i>Polymer</i> , 2017, 113, 221-232.	3.8	48
5	Boron nitride based polyaniline nanocomposite: Preparation, property, and application. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	41
6	Graphene/Nickel Oxide-Based Nanocomposite of Polyaniline with Special Reference to Ammonia Sensing. <i>ACS Omega</i> , 2018, 3, 9378-9387.	3.5	41
7	Terminalia bellerica Mediated Green Synthesis of Nanoparticles of Copper, Iron and Zinc Metal Oxides as the Alternate Antibacterial Agents Against some Common Pathogens. <i>BioNanoScience</i> , 2019, 9, 365-372.	3.5	41
8	DC electrical conductivity and liquefied petroleum gas sensing application of polythiophene/zinc oxide nanocomposite. <i>Materialia</i> , 2020, 9, 100599.	2.7	32
9	Thermally stable and highly sensitive ethene gas sensor based on polythiophene/zirconium oxide nanocomposites. <i>Materials Today Communications</i> , 2019, 20, 100574.	1.9	31
10	Binary doped polypyrrole and polypyrrole/boron nitride nanocomposites: preparation, characterization and application in detection of liquefied petroleum gas leaks. <i>RSC Advances</i> , 2015, 5, 105980-105991.	3.6	30
11	Electrical conductivity and alcohol sensing studies on polythiophene/tin oxide nanocomposites. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 84-94.	3.1	29
12	A highly sensitive chlorine gas sensor and enhanced thermal DC electrical conductivity from polypyrrole/silicon carbide nanocomposites. <i>RSC Advances</i> , 2016, 6, 84200-84208.	3.6	28
13	Preparation, characterization, thermooxidative degradation, and stability of polyaniline/polyacrylonitrile composites in terms of direct-current electrical conductivity retention. <i>Journal of Applied Polymer Science</i> , 2006, 99, 437-448.	2.6	20
14	Plant-Mediated Green Synthesis of Zinc Oxide Nanoparticles Using Swertia chirayita Leaf Extract, Characterization and Its Antibacterial Efficacy Against Some Common Pathogenic Bacteria. <i>BioNanoScience</i> , 2018, 8, 811-817.	3.5	20
15	Synthesis, Electrical, Electronic and Charge Transport Properties of Poly(aniline-co-p-toluidine). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 650-657.	2.2	19
16	Thermal stability of HCl-doped polyaniline and TiO ₂ nanoparticles based nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4433-4442.	2.6	19
17	Rapid response and excellent recovery of a polyaniline/silicon carbide nanocomposite for cigarette smoke sensing with enhanced thermally stable DC electrical conductivity. <i>RSC Advances</i> , 2016, 6, 59728-59736.	3.6	16
18	Synthesis, Electrical Conductivity, Spectral and Thermal Stability Studies on Poly(aniline-co-o-nitroaniline). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 952-961.	2.2	15

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19	Studies on Nanocomposites of Polyaniline and Zinc Oxide Nanoparticles with Supporting Matrix of Polycarbonate. <i>ISRN Materials Science</i> , 2012, 2012, 1-7.	1.0	15
20	Morphology and Thermal Stability of Electrically Conducting Nanocomposites Prepared by Sulfosalicylic Acid Micelles Assisted Polymerization of Aniline in Presence of ZrO_2 Nanoparticles. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 472-477.	1.9	15
21	Polythiophene/graphene/zinc tungstate nanocomposite: Synthesis, characterization, DC electrical conductivity and cigarette smoke sensing application. <i>Polymers and Polymer Composites</i> , 2021, 29, 605-616.	1.9	15
22	Preparation, characterization, and dynamic adsorption-desorption studies on polypyrrole encapsulated TiO_2 nanoparticles. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	13
23	Sulphonated polyaniline/MWCNTs nanocomposite: preparation and promising thermoelectric performance. <i>International Nano Letters</i> , 2018, 8, 213-220.	5.0	12
24	Preparation and electroanalytical characterization of polyaniline: Polyacrylonitrile composite films. <i>Journal of Applied Polymer Science</i> , 2008, 108, 3769-3780.	2.6	10
25	Synergistic Effect of Polyaniline Modified Silica Gel for Highly Efficient Separation of Non Resolvable Amino Acids. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 277-281.	3.4	10
26	Conducting nanocomposites of polyaniline/nylon 6,6/zinc oxide nanoparticles: preparation, characterization and electrical conductivity studies. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 363-371.	2.4	9
27	Synthesis, Characterization and Ammonia Sensing Studies on Novel Polypyrrole/Zinc Oxide/SWCNT Nanocomposite. <i>Asian Journal of Chemistry</i> , 2020, 32, 1961-1966.	0.3	5
28	Detection reagents used in on-plate identification of amino acids by thin layer chromatography: A review. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 595-603.	1.0	3
29	Electroanalytical studies on electrically conducting polyaniline:polyethyleneterephthalate composite films. <i>Journal of Applied Polymer Science</i> , 2010, 116, 1366-1375.	2.6	2
30	Preparation, Characterization and Application of Polyaniline/silk Fibroin Composite. <i>Polymers and Polymer Composites</i> , 2016, 24, 633-642.	1.9	1