

Pradip Kar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

801
citations

15
h-index

26
g-index

63
ext. papers

942
ext. citations

3.2
avg. IF

4.81
L-index

#	Paper	IF	Citations
55	Electrochemical sensing of biotin-avidin interaction on gold electrode modified by silver nanoparticles through covalent co-assembling. <i>Sensors International</i> , 2022 , 3, 100159	6.1	0
54	Electrochemical sensing of serotonin by silver decorated polypyrrole nanoribbon based electrode synthesized by sodium cholate as soft template. <i>Materials Today Communications</i> , 2022 , 31, 103361	2.5	1
53	Ultrasensitive Electrochemical Sensing of Biotin-Avidin Interaction on Gold Electrode Bio-Conjugated With Silver Nanoparticles. <i>IEEE Sensors Journal</i> , 2021 , 21, 10400-10408	4	2
52	Electrochemical sensing by a covalently bonded biotin-avidin couple on a silver nanoparticle modified gold electrode. <i>Instrumentation Science and Technology</i> , 2021 , 49, 106-124	1.4	3
51	Thermal, mechanical, and dielectric properties of low loss PbZr _{0.3} Ti _{0.7} O ₃ /polystyrene composites prepared by hot-press method. <i>Polymer Composites</i> , 2021 , 42, 1420-1428	3	1
50	Na-cholate micelle mediated synthesis of polypyrrole nanoribbons for ethanol sensing. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104249	6.8	7
49	Synthesis of sodium cholate mediated rod-like polypyrrole-silver nanocomposite for selective sensing of acetone vapor. <i>Nano Structures Nano Objects</i> , 2020 , 21, 100419	5.6	10
48	Sensing of ethanol and other alcohol contaminated ethanol by conducting functional poly(o-phenylenediamine). <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020 , 256, 114541	3.1	7
47	Nanomaterials Based Sensors for Air Pollution Control. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 349-403	0.8	1
46	Chemiresistive sensing of arsenic ion in water by thin film of poly(m-aminophenol) nano-fiber. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104536	6.8	0
45	Green synthesized materials for sensor, actuator, energy storage and energy generation: a review. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 1-62	1.5	14
44	In situ growth of Co ₃ O ₄ nanoflakes on reduced graphene oxide-wrapped Ni-foam as high performance asymmetric supercapacitor. <i>Electrochimica Acta</i> , 2019 , 302, 327-337	6.7	53
43	Poly(m-aminophenol)/Silver Nanorod Composite Based Paper Strip for Chemo-Resistive Picric Acid Sensing. <i>Sensor Letters</i> , 2019 , 17, 219-227	0.9	1
42	Synthesis of stable aqueous colloid of functionalized silver nanorod. <i>Functional Materials Letters</i> , 2019 , 12, 1950076	1.2	3
41	Anticorrosion and antiwear 2019 , 195-236		1
40	Ammonia-Assisted Growth of CoSn(OH) Nanostructures and Their Electrochemical Performances for Supercapacitor. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 2755-2761	1.3	2
39	Selective Sensing of Methanol by Poly(m-aminophenol)/Copper Nanocomposite. <i>Electronic Materials Letters</i> , 2018 , 14, 161-172	2.9	6

38	Hybrid NiCo ₂ O ₄ -NiCo ₂ S ₄ Nanoflakes as High-Performance Anode Materials for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2018 , 3, 2315-2320	1.8	9
37	Synthesis, characterization, thermal, dynamic mechanical, and dielectric studies of Ba _{0.7} Sr _{0.3} TiO ₃ /polystyrene composites. <i>Polymer Composites</i> , 2018 , 39, E1714-E1724	3	8
36	Deposition of Tin Oxide Thin Films by Successive Ionic Layer Adsorption Reaction Method and Its Characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2569-2575	1.3	2
35	Facile synthesis of flower-like morphology CuCoO for a high-performance supercapattery with extraordinary cycling stability. <i>Chemical Communications</i> , 2018 , 54, 12400-12403	5.8	21
34	Synthesis, Characteristics and Aliphatic Alcohol Sensing Behavior of Poly(m-aminophenol)/Sulfonic Acid-Functionalized Multi-Walled Carbon Nanotube Composite. <i>ChemistrySelect</i> , 2017 , 2, 3917-3924	1.8	3
33	Synthesis of poly(o-phenylenediamine) nanofiber with novel structure and properties. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 797-804	3.2	22
32	Selective Sensing of Ethanol by Poly(m-aminophenol)/Amine Groups Functionalized Multi-Walled Carbon Nanotube Composite. <i>Sensor Letters</i> , 2017 , 15, 448-456	0.9	3
31	Influence of structure of poly(o-phenylenediamine) on the doping ability and conducting property. <i>Ionics</i> , 2017 , 23, 937-947	2.7	11
30	Core-shell functionalized MWCNT/poly(m-aminophenol) nanocomposite with large dielectric permittivity and low dielectric loss. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 1596-1603	3.2	7
29	Structure and properties of conducting poly(o-phenylenediamine) synthesized in different inorganic acid medium. <i>Macromolecular Research</i> , 2016 , 24, 342-349	1.9	19
28	Three-dimensional NiCo ₂ O ₄ /NiCo ₂ S ₄ hybrid nanostructure on Ni-foam as a high-performance supercapacitor electrode. <i>RSC Advances</i> , 2016 , 6, 95760-95767	3.7	36
27	Synthesis of processable conducting poly(m-aminophenol) having structure like keto derivative of polyaniline. <i>Polymer Science - Series B</i> , 2015 , 57, 159-166	0.8	4
26	Influence of pH of the Reaction Medium on the Structure and Property of Conducting Poly(o-Phenylenediamine). <i>Materials Today: Proceedings</i> , 2015 , 2, 1301-1308	1.4	13
25	Conjugated Polymer Nanocomposites-Based Chemical Sensors 2015 , 619-686		4
24	Interaction of multi-walled carbon nanotube with poly(m-aminophenol) in their processable conducting nanocomposite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 2044-2052	1.6	3
23	Poly(m-aminophenol)/functionalized multi-walled carbon nanotube nanocomposite based alcohol sensors. <i>Sensors and Actuators B: Chemical</i> , 2015 , 219, 199-208	8.5	28
22	Chemical synthesis of processable conducting polyaniline derivative with free amine functional groups. <i>Advances in Materials Research (South Korea)</i> , 2014 , 3, 117-128		7
21	Classification of Dopants for the Conjugated Polymer 2013 , 19-46		13

20	Role of Dopant on the Conduction of Conjugated Polymer 2013 , 63-79		13
19	Electrical and Dielectric Properties of Polyaniline Doped with Carboxyl-Functionalized Multiwalled Carbon Nanotube. <i>Advances in Polymer Technology</i> , 2013 , 32, E760-E770	1.9	15
18	Silver nanoparticles to improve electron transfer at interfaces of gold electrodes modified by biotin or avidin. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 692, 17-25	4.1	12
17	2013 ,		43
16	Carboxylic acid functionalized multi-walled carbon nanotube doped polyaniline for chloroform sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 183, 25-33	8.5	137
15	Ammonia sensing by hydrochloric acid doped poly(m-aminophenol) Silver nanocomposite. <i>Journal of Materials Science</i> , 2011 , 46, 2905-2913	4.3	12
14	Influence of dielectric constant of polymerization medium on processability and ammonia gas sensing properties of polyaniline. <i>Bulletin of Materials Science</i> , 2011 , 34, 261-270	1.7	7
13	Doping of processable conducting poly(m-aminophenol) with silver nanoparticles. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1060-1066	3.2	7
12	Doping effect of carboxylic acid group functionalized multi-walled carbon nanotube on polyaniline. <i>Composites Part B: Engineering</i> , 2011 , 42, 1641-1647	10	43
11	Doping of the Processable Conducting Poly(m-Aminophenol) with Inorganic Acids. <i>Journal of Macromolecular Science - Physics</i> , 2011 , 50, 1822-1833	1.4	5
10	Optimization for the Chemical Synthesis of Conducting Poly (m-aminophenol) in HCl using Ammonium Persulfate. <i>High Performance Polymers</i> , 2010 , 22, 428-441	1.6	6
9	Induced doping by sodium ion in poly(m-aminophenol) through the functional groups. <i>Synthetic Metals</i> , 2010 , 160, 1524-1529	3.6	20
8	Isomeric Effects on Structures and Properties of Polyaminophenols Synthesized in Basic Medium. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010 , 47, 282-290	2.2	9
7	Effect on Structure, Processability, and Conductivity of Poly(m-aminophenol) of the Initial Acidity/Basicity of the Polymerization Medium. <i>Journal of Macromolecular Science - Physics</i> , 2010 , 49, 669-679	1.4	6
6	Influence of dopant in the synthesis, characteristics and ammonia sensing behavior of processable polyaniline. <i>Thin Solid Films</i> , 2009 , 517, 3770-3775	2.2	44
5	Application of sulfuric acid doped poly (m-aminophenol) as aliphatic alcohol vapor sensor material. <i>Sensors and Actuators B: Chemical</i> , 2009 , 140, 525-531	8.5	36
4	Polyaniline/Silver Nanocomposite Based Acetone Vapour Sensor. <i>Sensor Letters</i> , 2009 , 7, 592-598	0.9	17
3	A novel route for the synthesis of processable conducting poly(m-aminophenol). <i>Materials Chemistry and Physics</i> , 2008 , 111, 59-64	4.4	30

- 2 Effect of LiCl as an additive in the polymerization reaction of aniline and its influence on the structural and electrical property of polyaniline. *Reactive and Functional Polymers*, **2008**, 68, 1103-1112 4.6 11
- 1 Easy synthesis of 4-quinonimine functionalized gold nanoparticles in stable aqueous colloidal state. *Particulate Science and Technology*, 1-7 2 0