

Ruxangul Jamal

List of Publications by Year in descending order

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61
papers

1,704
citations

304743

22
h-index

289244

40
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62
all docs

62
docs citations

62
times ranked

2082
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative studies of solid-state synthesized polyaniline doped with inorganic acids. <i>Materials Chemistry and Physics</i> , 2005, 90, 367-372.	4.0	271
2	The structure and properties of PEDOT synthesized by template-free solution method. <i>Nanoscale Research Letters</i> , 2014, 9, 557.	5.7	180
3	The Effect of a Small Amount of Water on the Structure and Electrochemical Properties of Solid-State Synthesized Polyaniline. <i>Materials</i> , 2012, 5, 1811-1825.	2.9	130
4	Preparation of PEDOT/GO, PEDOT/MnO ₂ , and PEDOT/GO/MnO ₂ nanocomposites and their application in catalytic degradation of methylene blue. <i>Nanoscale Research Letters</i> , 2015, 10, 148.	5.7	86
5	Doping effect of organic sulphonic acids on the solid-state synthesized polyaniline. <i>Journal of Applied Polymer Science</i> , 2007, 105, 576-584.	2.6	66
6	A facile solid-state heating method for preparation of poly(3,4-ethylenedioxythiophene)/ZnO nanocomposite and photocatalytic activity. <i>Nanoscale Research Letters</i> , 2014, 9, 89.	5.7	65
7	Synthesis of poly(3,4-propylenedioxythiophene)/MnO ₂ composites and their applications in the adsorptive removal of methylene blue. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 32-40.	4.4	55
8	Solid-state synthesis and characterization of polyaniline/multi-walled carbon nanotubes composite. <i>Synthetic Metals</i> , 2011, 161, 2097-2102.	3.9	45
9	Functionalization of Graphene Oxide and its Composite with Poly(3,4-ethylenedioxythiophene) as Electrode Material for Supercapacitors. <i>Nanoscale Research Letters</i> , 2015, 10, 370.	5.7	45
10	Synthesis and characterization of poly(o-toluidine) doped with organic sulfonic acid by solid-state polymerization. <i>Journal of Applied Polymer Science</i> , 2005, 96, 1630-1634.	2.6	42
11	Solid-State Synthesis and Photocatalytic Activity of Polyterthiophene Derivatives/TiO ₂ Nanocomposites. <i>Materials</i> , 2014, 7, 3786-3801.	2.9	42
12	Self-powered TiO ₂ NRs UV photodetectors: Heterojunction with PTT and enhanced responsivity by Au nanoparticles. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163279.	5.5	37
13	Structure and properties of solid-state synthesized poly(3,4-ethylenedioxy-2,2,5,5-terthiophene). <i>Synthetic Metals</i> , 2010, 160, 325-332.	3.9	33
14	Electrochemical properties of the poly(3,4-ethylenedioxythiophene)/single-walled carbon nanotubes composite synthesized by solid-state heating method. <i>Synthetic Metals</i> , 2012, 162, 1604-1608.	3.9	33
15	Electrochemical synthesis of multilayered PEDOT/PEDOT-SH/Au nanocomposites for electrochemical sensing of nitrite. <i>Mikrochimica Acta</i> , 2020, 187, 248.	5.0	32
16	Comparative studies of solid-state synthesized poly(o-methoxyaniline) doped with organic sulfonic acids. <i>Journal of Polymer Research</i> , 2008, 15, 75-82.	2.4	31
17	An Electrochemical Sensor of Poly(EDOT-pyridine-EDOT)/Graphitic Carbon Nitride Composite for Simultaneous Detection of Cd ²⁺ and Pb ²⁺ . <i>Materials</i> , 2018, 11, 702.	2.9	31
18	Synthesis of monodispersed PEDOT/Au hollow nanospheres and its application for electrochemical determination of dopamine and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2017, 787, 110-117.	3.8	30

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19	Functionalized PProDOT@nitrogen-doped carbon hollow spheres composites for electrochemical sensing of tryptophan. <i>Carbon</i> , 2020, 161, 842-855.	10.3	29
20	Composites of thiol-grafted PEDOT with N-doped graphene or graphitic carbon nitride as an electrochemical sensor for the detection of paracetamol. <i>Journal of Materials Science</i> , 2020, 55, 5571-5586.	3.7	27
21	Poly(EDOT-pyridine-EDOT) and poly(EDOT-pyridazine-EDOT) hollow nanosphere materials for the electrochemical detection of Pb ²⁺ and Cu ²⁺ . <i>Journal of Electroanalytical Chemistry</i> , 2018, 822, 112-122.	3.8	26
22	Structure and properties of solid-state synthesized poly(3,4-propylenedioxythiophene)/nano-ZnO composite. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 524-531.	4.4	23
23	Solid-State Synthesis of Polyaniline/Single-Walled Carbon Nanotubes: A Comparative Study with Polyaniline/Multi-Walled Carbon Nanotubes. <i>Materials</i> , 2012, 5, 1219-1231.	2.9	22
24	Comparative studies of solid-state synthesized poly(4-methoxyaniline) and poly(2,6-pyridinediol). <i>Polymers for Advanced Technologies</i> , 2008, 19, 1461-1466.	3.2	21
25	The study on the application of solid-state method for synthesizing the polyaniline/noble metal (Au or Ag) composite. <i>Journal of Applied Polymer Science</i> , 2012, 126, 697-705.	2.6	18
26	Solid-state synthesis and characterization of polyaniline/nano-TiO ₂ composite. <i>Journal of Applied Polymer Science</i> , 2012, 126, 697-705.	2.6	18
27	Structure and photocatalytic activity of a low band gap donor-acceptor donor (D-A-D) type conjugated polymer: poly(EDOT-pyridazine-EDOT). <i>RSC Advances</i> , 2017, 7, 1877-1886.	3.6	15
28	Electrochemical Sensor of Double-Thiol Linked PProDOT@Si Composite for Simultaneous Detection of Cd(II), Pb(II), and Hg(II). <i>Polymers</i> , 2019, 11, 815.	4.5	15
29	Photodegradation of methylene blue by photocatalyst of D-A-D type polymer/functionalized multi-walled carbon nanotubes composite under visible-light irradiation. <i>Chemosphere</i> , 2017, 168, 1669-1676.	8.2	14
30	A bromine-catalysis-synthesized poly(3,4-ethylenedioxythiophene)/graphitic carbon nitride electrochemical sensor for heavy metal ion determination. <i>RSC Advances</i> , 2019, 9, 34691-34698.	3.6	14
31	Solid-State Synthesis of Poly(3',4'-dimethoxy-2,2':5',2''-terthiophene): Comparison With Poly(terthiophene) and Poly(3',4'-ethylenedioxy-2,2':5',2''-terthiophene). <i>Molecules</i> , 2012, 17, 8647-8660.	3.8	13
32	Preparation of PEDOT-modified double-layered hollow carbon spheres as Pt catalyst support for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 31623-31633.	7.1	13
33	Ultraviolet photodetectors based on TiO ₂ nanorod arrays/PEDOT-type conducting polymers. <i>Optical Materials</i> , 2021, 122, 111805.	3.6	13
34	Hollow, Spherical, Poly(3,4-ethylenedioxythiophene)-Bearing Methanethiol as a Gold Stabilizer for High-Efficiency Electrochemical Sensors. <i>Journal of the Electrochemical Society</i> , 2018, 165, B335-B343.	2.9	12
35	PEDOT-Type Conducting Polymers/Black TiO ₂ Composites for Electrochemical Determination of Cd ²⁺ and Pb ²⁺ . <i>Journal of the Electrochemical Society</i> , 2020, 167, 067514.	2.9	12
36	Comparative study on poly(3,4-propylenedioxythiophene)/TiO ₂ nanocomposites synthesized by mechanochemical and chemical solution methods. <i>Synthetic Metals</i> , 2013, 179, 54-59.	3.9	11

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37	Characterization and electrochemical properties of poly(aniline-co-o-methoxyaniline)/multi-walled carbon nanotubes composites synthesized by solid-state method. <i>Fibers and Polymers</i> , 2013, 14, 8-15.	2.1	11
38	The effect of solvents and organic acids on the p-doping behaviors of poly(3,4-ethylenedioxy-2,5-terthiophene). <i>Polymer Science - Series B</i> , 2012, 54, 413-419.	0.8	10
39	Comparison of structure and electrochemical properties for PANI/TiO ₂ /G and PANI/G composites synthesized by mechanochemical route. <i>Journal of Materials Research</i> , 2013, 28, 832-839.	2.6	10
40	Solid-State Heating Synthesis of Poly (3,4-Ethylenedioxythiophene)/Gold/Graphene Composite and Its Application for Amperometric Determination of Nitrite and Iodate. <i>Nanoscale Research Letters</i> , 2017, 12, 568.	5.7	9
41	Poly(3,4-propylenedioxythiophene) Capsulated Yolk-Shell Carbon Spheres for High-Performance Electrochemical Capacitors. <i>Polymer Composites</i> , 2019, 40, 1989-1999.	4.6	9
42	A donor-acceptor-type conjugated polymer-modified TiO ₂ with enhanced photocatalytic activity under simulated sunlight and natural sunlight. <i>Journal of Materials Science</i> , 2017, 52, 4820-4832.	3.7	8
43	The mechanochemical synthesis of poly(3,4-ethylenedioxy-2,5-terthiophene)/graphene nanoplatelet composites and the electrochemical performance. <i>Electrochimica Acta</i> , 2013, 113, 382-389.	5.2	7
44	The structure and electrochemical properties of poly(3,4-propylenedioxythiophene)/SnO ₂ nanocomposites synthesized by mechanochemical route. <i>Polymer Composites</i> , 2016, 37, 2884-2896.	4.6	7
45	Carboxylated Cellulose as a Soft Template Combined with PEDOT Derivatives in [BMIM]Cl: A Competent Biosensor for Detection of Guanine and Uric Acid in the Blood. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5860-5871.	6.7	7
46	The structure and photocatalytic performances of mechanically synthesized poly(3,4-ethylenedioxy-2,5-terthiophene)/ZnO composites. <i>Polymer Composites</i> , 2015, 36, 1597-1605.	4.6	6
47	Self-assembly of pendant functional groups grafted PEDOT as paracetamol detection material. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3592-3603.	2.8	5
48	Preparation of thiol-grafted poly(3,4-ethylenedioxythiophene)/yolk-shell carbon sphere/Au composites for the simultaneous detection of caffeic acid and levofloxacin. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13876-13885.	5.5	5
49	Synthesis of poly (3,4-ethylenedioxythiophene)/sulfonated cellulose composites in different systems for the electrochemical sensing of paracetamol. <i>Cellulose</i> , 2021, 28, 5559.	4.9	5
50	Electrochemical sensor formed from poly(3,4-ethylenedioxythiophene) and nitrogen-doped graphene composite for dopamine detection. <i>RSC Advances</i> , 2021, 11, 37544-37551.	3.6	5
51	Electrochemical Sensor for Detection of Paracetamol Based on Pendant Nitrogen Heterocyclic Ring-Functionalized Polyterthiophene Derivatives. <i>ChemistrySelect</i> , 2021, 6, 4473-4481.	1.5	4
52	Preparation of Co/N-CNT@poly(3,4-ethylenedioxythiophene)-NH ₂ /Pt as an efficient catalyst for ethanol oxidation reaction. <i>Applied Surface Science</i> , 2022, 591, 153139.	6.1	4
53	Electrochemical synthesis of hydroxyl group-functionalized PProDOT/ZnO for an ultraviolet photodetector. <i>RSC Advances</i> , 2021, 11, 15825-15834.	3.6	3
54	Electrochemical Preparation of ZnO/PEDOT-type Conducting Polymers Composites for Ultraviolet Photodetector. <i>ChemistrySelect</i> , 2021, 6, 9427-9434.	1.5	2

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55	One-pot self-assembly preparation of thiol-functionalized poly(3,4-ethylenedioxythiophene) hollow nanosphere/Au composites, and their electrocatalytic properties. <i>RSC Advances</i> , 2021, 11, 33425-33430.	3.6	2
56	Enhanced electrocatalytic performance of hydroxyl- ϵ -grafted PProDOT:PSS/YRFC/Pt composites for direct alcohol fuel cells. <i>Electrochimica Acta</i> , 2022, 403, 139724.	5.2	2
57	Construction of thiol-grafted PProDOT/yolk shell carbon sphere/Pt hybrid catalyst for methanol oxidation. <i>Materials Letters</i> , 2022, 309, 131437.	2.6	2
58	Ultraviolet sensor-based TiO ₂ nanorods/PProDOT-Pz conducting polymer using different bias voltage. <i>Optical Materials</i> , 2022, 129, 112477.	3.6	2
59	The pendent thiol group grafted poly(3,4-proplenedioxythiophene) hollow nanofiber for electrochemical sensing. <i>Materials Letters</i> , 2020, 263, 127206.	2.6	1
60	Preparation and photocatalytic activity of pendant heteroaryl groups (pyrimidine and pyridine) grafted polyterthiophene/TiO ₂ composites. <i>Materials Express</i> , 2020, 10, 1877-1891.	0.5	1
61	Electrochemical synthesis of Zinc oxide/polymer/phosphotungstic acid composites for a UV detector. <i>Polish Journal of Chemical Technology</i> , 2022, 24, 7-14.	0.5	1