

Preparation, properties and applications of polypyrrole

Reactive and Functional Polymers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of pyrrole and m-toluidine copolymers. <i>Synthetic Metals</i> , 2001, 123, 435-441.	2.1	43
2	Ac-Electrogravimetry Study of Electroactive Thin Films. II. Application to Polypyrrole. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3192-3201.	1.2	75
3	Novel Multifunctional Polymers from Aromatic Diamines by Oxidative Polymerizations. <i>Chemical Reviews</i> , 2002, 102, 2925-3030.	23.0	629
4	Adsorption behavior of humic acid onto polypyrrole-coated nylon 6,6 granules. <i>Journal of Materials Chemistry</i> , 2002, 12, 2733-2739.	6.7	70
5	Electronically conductive polymers. <i>Polymers for Advanced Technologies</i> , 2002, 13, 615-625.	1.6	91
6	Microstructure-mechanical properties relationship in conducting polypyrrole films. <i>Journal of Materials Science</i> , 2002, 37, 5171-5176.	1.7	18
7	Synthesis of Polypyrrole Nanoparticles by Dispersion Polymerization. <i>Russian Journal of Applied Chemistry</i> , 2003, 76, 822-826.	0.1	24
8	In-situ polypyrrole film formation using ferric nitrate as oxidizing agent. <i>Journal of Materials Science Letters</i> , 2003, 22, 1577-1579.	0.5	10
9	Oxygen enrichment across blend membranes of bipyridine and ethyl cellulose. <i>Journal of Applied Polymer Science</i> , 2003, 87, 1371-1381.	1.3	14
10	Electrical properties and EMI shielding characteristics of polypyrrole-nylon 6 composite fabrics. <i>Journal of Applied Polymer Science</i> , 2003, 87, 1969-1974.	1.3	164
11	Stretchable conductive fabric for electrotherapy. <i>Journal of Applied Polymer Science</i> , 2003, 88, 1225-1229.	1.3	136
12	Electrochemical synthesis and redox behaviour of polypyrrole coatings on copper in salicylate aqueous solution. <i>Electrochimica Acta</i> , 2003, 48, 2523-2529.	2.6	83
13	On the ozone degradation of polypyrrole. <i>Polymer Degradation and Stability</i> , 2003, 82, 487-495.	2.7	28
14	Revisiting the Electrochemical and Polymeric Behavior of a Polypyrrole Free-Standing Electrode in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13954-13961.	1.2	72
15	Surface Electric Properties of Polypyrrole in Aqueous Solutions. <i>Langmuir</i> , 2003, 19, 10703-10709.	1.6	179
16	Synthesis and structural study of polypyrroles prepared in the presence of surfactants. <i>Synthetic Metals</i> , 2003, 138, 447-455.	2.1	567
17	Corrosion protection of polypyrrole electrodeposited on AZ91 magnesium alloys in alkaline solutions. <i>Synthetic Metals</i> , 2003, 139, 335-339.	2.1	45
18	The use of polyindole for mild steel protection. <i>Progress in Organic Coatings</i> , 2004, 50, 273-282.	1.9	44

#	ARTICLE	IF	CITATIONS
19	Electropolymerization of Pyrrole on Oxidizable Metals: Role of Salicylate Ions in the Anodic Behavior of Copper. Russian Journal of Electrochemistry, 2004, 40, 294-298.	0.3	22
20	Polypyrrole tubes via casting of pyrrole- β -naphthalenesulfonic acid rods. Colloid and Polymer Science, 2004, 283, 125-132.	1.0	22
21	Facile synthesis of oxidative copolymers from aminoquinoline and anisidine. Polymer, 2004, 45, 4693-4704.	1.8	12
22	Pyrrole derivatives for electrochemical coating of metallic medical devices. Journal of Polymer Science Part A, 2004, 42, 1658-1667.	2.5	27
23	Synthesis of a soluble pyrrole copolymer with phenetidine. Journal of Polymer Science Part A, 2004, 42, 2073-2092.	2.5	16
24	Solid-phase microextraction combined with surface-enhanced laser desorption/ionization introduction for ion mobility spectrometry and mass spectrometry using polypyrrole coatings. Rapid Communications in Mass Spectrometry, 2004, 18, 157-162.	0.7	26
25	Synthesis and characterization of nanosized polypyrrole-polystyrene composite particles. Journal of Applied Polymer Science, 2004, 91, 1360-1367.	1.3	12
26	Electrical property and stability of electrochemically synthesized polypyrrole films. Journal of Applied Polymer Science, 2004, 91, 3659-3666.	1.3	35
27	Electropolymerization of 3-methylthiophene studied by multiframe convolution. Journal of Electroanalytical Chemistry, 2004, 573, 299-306.	1.9	16
28	Electrochemical synthesis of polyaniline on mild steel in acetonitrile/LiClO ₄ and corrosion performance. Applied Surface Science, 2004, 236, 292-305.	3.1	62
29	Ultrathin Electrochemical Chemo- and Biosensors. Springer Series on Chemical Sensors and Biosensors, 2004, . .	0.5	16
30	Polypyrrole materials doped with weakly coordinating anions: influence of substituents and the fate of the doping anion during the overoxidation process. Polymer, 2005, 46, 12218-12225.	1.8	49
31	An investigation of polypyrrole-LiFePO ₄ composite cathode materials for lithium-ion batteries. Electrochimica Acta, 2005, 50, 4649-4654.	2.6	241
32	Ionic diffusion across oxidized polypyrrole membranes and during oxidation of the free-standing film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 270-271, 226-231.	2.3	49
33	Biomaterials functionalization using a novel peptide that selectively binds to a conducting polymer. Nature Materials, 2005, 4, 496-502.	13.3	387
34	Synthesis and characterization of thiophene-capped polytetrahydrofuran conducting copolymers. Materials Chemistry and Physics, 2005, 91, 261-268.	2.0	19
35	Conducting Copolymers of 3-Methylthienyl Methacrylate and p-Vinylbenzyloxy Poly(ethyleneoxide) and Their Electrochromic Properties. Polymer Bulletin, 2005, 53, 193-201.	1.7	26
36	Polypyrrole modified stainless steel frits for on-line micro solid phase extraction of ochratoxin A. Analytical and Bioanalytical Chemistry, 2005, 381, 948-952.	1.9	16

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37	Interaction of ochratoxin A with molecularly imprinted polypyrrole film on surface plasmon resonance sensor. <i>Reactive and Functional Polymers</i> , 2005, 63, 171-176.	2.0	73
38	A flexible strain sensor from polypyrrole-coated fabrics. <i>Synthetic Metals</i> , 2005, 155, 89-94.	2.1	163
39	Complexes of oligopyrrole dications with inorganic anions: a comparative theoretical HF/post-HF study. <i>Synthetic Metals</i> , 2005, 149, 47-52.	2.1	7
40	On-line electrochemically controlled solid-phase extraction interfaced to electrospray and inductively coupled plasma mass spectrometry. <i>Analyst</i> , The, 2005, 130, 1358.	1.7	27
41	In situ AFM Study of the Electropolymerization of Polypyrrole/Gold Nanocomposite. , 0, , .		0
42	The influence of electrochemical process parameters on the conductivity of poly(N-methylpyrrole) films by galvanostatic method. <i>Materials Letters</i> , 2006, 60, 1407-1411.	1.3	32
43	Electroactive composite systems containing high conductive polymer layers on poly(ethylene) porous films. <i>Polymers for Advanced Technologies</i> , 2006, 17, 700-704.	1.6	8
44	Investigations of ultrathin polypyrrole films: Formation and effects of doping/dedoping processes on its optical properties by electrochemical surface plasmon resonance (ESPR). <i>Electrochimica Acta</i> , 2006, 51, 1304-1312.	2.6	43
45	Permeability and permselectivity of polyphenylenediamine films synthesized at a palladium disk electrode. <i>Electrochimica Acta</i> , 2006, 52, 297-303.	2.6	71
46	Effect of crystallization on morphologyâ€™conductivity relationship in polypyrrole/poly(Ë-caprolactone) blends. <i>Polymer</i> , 2006, 47, 6759-6764.	1.8	25
47	Fabrication and characterizations of oligopyrrole doped with dodecylbenzenesulfonic acid in reverse microemulsion. <i>Journal of Colloid and Interface Science</i> , 2006, 296, 110-117.	5.0	29
48	Preparation and characterization of mono-valent ion selective polypyrrole composite ion-exchange membranes. <i>Journal of Membrane Science</i> , 2006, 280, 210-218.	4.1	162
49	Adjusting the inner-structure of polypyrrole nanoparticles through microemulsion polymerization. <i>Materials Chemistry and Physics</i> , 2006, 98, 304-308.	2.0	61
50	The influence of thermal cycling and compressive force on the resistance of poly(3,4-ethylenedioxythiophene)/poly(4-styrenesulfonic acid)-coated surfaces. <i>Journal of Applied Polymer Science</i> , 2006, 101, 2445-2452.	1.3	13
51	Stability enhancement of polypyrrole coated textiles. , 2006, , 283-307.		4
52	Polypyrrole-coated Large Deformation Strain Fabric Sensor and its Properties Study. <i>Materials Research Society Symposia Proceedings</i> , 2006, 920, 1.	0.1	4
53	The conductive polyaniline/poly(ethylene terephthalate) composite fabrics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 609-614.	3.8	53
54	Synthesis of ï-conjugated polymers bearing electronic and optical functionalities by organometallic polycondensations and their chemical properties. <i>Polymer</i> , 2007, 48, 5449-5472.	1.8	52

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55	Influence of Process Parameters on the Conductivity and Surface Morphology of Polypyrrole Films. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2007, 56, 167-176.	1.8	5
56	Corrosion control of aluminum surfaces by polypyrrole films: influence of electrolyte. <i>Materials Research</i> , 2007, 10, 205-209.	0.6	27
57	Computational tool to model the packing of polycyclic chains: Structural analysis of amorphous polythiophene. <i>Journal of Computational Chemistry</i> , 2007, 28, 1743-1749.	1.5	35
58	Synthesis of linear and hyperbranched tetrazine-based polyheterarylene assemblies with high nitrogen content. <i>Tetrahedron</i> , 2007, 63, 11189-11194.	1.0	23
59	Determination of N-vinyl-2-pyrrolidone and N-methyl-2-pyrrolidone in drugs using polypyrrole-based headspace solid-phase microextraction and gas chromatography- ¹⁵ N-nitrogen-phosphorous detection. <i>Analytica Chimica Acta</i> , 2007, 587, 82-88.	2.6	34
60	1-(4-Acetylphenyl)-2,5-dimethyl-1H-pyrrole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4233-o4233.	0.2	0
61	Synthesis of polypyrrole films for the development of ammonia sensor. <i>Polymers for Advanced Technologies</i> , 2007, 18, 397-402.	1.6	110
62	Biomolecular immobilization on conducting polymers for biosensing applications. <i>Biomaterials</i> , 2007, 28, 791-805.	5.7	458
63	Peroxidase-catalysed synthesis of electroconductive polypyrrole. <i>Mendeleev Communications</i> , 2008, 18, 56-58.	0.6	26
64	Academician Boris Aleksandrovich Trofimov. <i>Chemistry of Heterocyclic Compounds</i> , 2008, 44, 1029-1032.	0.6	0
65	Thermal study of polypyrrole complexes with vermiculites of different layer charge. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 43-51.	2.0	8
66	Polypyrrole-modified electrodes with induced recognition sites for potentiometric and voltammetric detection of copper(II) ion. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 358-365.	4.0	56
67	Electrosynthesized molecularly imprinted polypyrrole films for enantioselective recognition of L-aspartic acid. <i>Electrochimica Acta</i> , 2008, 53, 2729-2736.	2.6	123
68	Sorption of silver ion from aqueous solutions using conducting electroactive polymers. <i>Journal of the Iranian Chemical Society</i> , 2008, 5, 657-668.	1.2	25
69	Probing the π -Stacking Induced Molecular Aggregation in π -Conjugated Polymers, Oligomers, and Their Blends of <i>p</i> -Phenylenevinylenes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1119-1129.	1.2	105
70	Labeled magnetic nanoparticles assembly on polypyrrole film for biosensor applications. <i>Talanta</i> , 2008, 75, 740-747.	2.9	57
71	Effect of Oxidant on Morphology and Electrochemistry of Polypyrrole-Coated Graphite Fiber. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, A68.	2.2	6
72	Electrodeposition of polypyrrole films on aluminum surfaces from a <i>p</i> -toluene sulfonic acid medium. <i>Materials Research</i> , 2009, 12, 503-507.	0.6	20

#	ARTICLE	IF	CITATIONS
73	Investigations on the Mechanical Properties of Conducting Polymer Coating-Substrate Structures and Their Influencing Factors. <i>International Journal of Molecular Sciences</i> , 2009, 10, 5257-5284.	1.8	54
74	Photopolymerized silver-containing conducting polymer films. Part II. Physico-chemical characterization and mechanism of photopolymerization process. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1077-1089.	1.2	13
75	Synthesis and characterization of conductive polypyrrole/multi-walled carbon nanotubes composites with improved solubility and conductivity. <i>Composites Science and Technology</i> , 2009, 69, 639-644.	3.8	150
76	Synthesis and characterization of conductive polypyrrole with improved conductivity and processability. <i>Polymer International</i> , 2009, 58, 1065-1070.	1.6	64
77	Synthesis and characterization of montmorillonite/polypyrrole nanocomposite. <i>Polymer Composites</i> , 2009, 30, 66-69.	2.3	32
78	Effect of annealing on structural and optical properties of polypyrrole doped with different acids. <i>Polymer Composites</i> , 2009, 30, 820-826.	2.3	16
79	A sensitive and highly stable polypyrrole-based pH sensor with hydroquinone monosulfonate and oxalate co-doping. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 504-511.	4.0	23
80	Post-derivatization procedure for determination of hippuric acid after extraction by an automated micro solid phase extraction system and monitoring by gas chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2945-2951.	1.2	42
81	Polyimides membranes for pervaporation and biofuels separation. <i>Progress in Polymer Science</i> , 2009, 34, 1135-1160.	11.8	367
82	Poly(methyl methacrylate) conductive fiber optic transducers as dual biosensor platforms. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3683-3687.	5.3	5
83	Polyphosphate-doped polypyrrole coated on steel fiber for the solid-phase microextraction of organochlorine pesticides in water. <i>Analytica Chimica Acta</i> , 2009, 638, 169-174.	2.6	44
84	Polymer supports for low-temperature fuel cell catalysts. <i>Applied Catalysis A: General</i> , 2009, 365, 1-19.	2.2	254
85	Characterization of Electrogenerated Polypyrrole~Benzophenone Films Coated on Poly(pyrrole-methyl methacrylate) Optic-Conductive Fibers. <i>Langmuir</i> , 2009, 25, 10384-10389.	1.6	11
86	Electrodeposition of a highly adherent and thermally stable polypyrrole coating on steel from aqueous polyphosphate solution. <i>Synthetic Metals</i> , 2009, 159, 1247-1254.	2.1	50
87	Synthesis of electron-accepting polymers containing phenanthra-9,10-quinone units. <i>Journal of Materials Chemistry</i> , 2009, 19, 4148.	6.7	21
88	Water-Dispersed Conductive Polypyrroles Doped with Lignosulfonate and the Weak Temperature Dependence of Electrical Conductivity. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9498-9503.	1.8	67
89	A Direct Phosphine-Mediated Synthesis of Pyrroles from Acid Chlorides and $\hat{1}\pm,\hat{1}^2$ -Unsaturated Imines. <i>Organic Letters</i> , 2009, 11, 1369-1372.	2.4	80
90	Influence of the Type of Oxidant on Anion Exchange Properties of Fibrous Cladophora Cellulose/Polypyrrole Composites. <i>Journal of Physical Chemistry B</i> , 2009, 113, 426-433.	1.2	60

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91	Ionic Motion in Polypyrrole~Cellulose Composites: Trap Release Mechanism during Potentiostatic Reduction. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4582-4589.	1.2	30
92	Synthesis of new pyrrole-containing biomolecules as building blocks for functionalized polypyrroles in nanobiotechnology. <i>Journal of Physics: Conference Series</i> , 2009, 182, 012067.	0.3	0
93	Polymerization and characterization of high conductivity and good adhesion polypyrrole films for electromagnetic interference shielding. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010, 28, 923-930.	2.0	27
94	Investigation of filtration capability of conductive composite membrane in separation of protein from water. <i>Ionics</i> , 2010, 16, 75-80.	1.2	13
95	The substituent effects on the structure and surface morphology of polyaniline. <i>Journal of Applied Polymer Science</i> , 2010, 115, 3024-3030.	1.3	7
96	Soybean Peroxidase Catalyzed Enzymatic Synthesis of Pyrrole/EDOT Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1610-1617.	1.1	19
97	Preparation and characterization of P2FAn/PVDF composite cation-exchange membranes for the removal of Cr(III) and Cu(II) by Donnan dialysis. <i>Reactive and Functional Polymers</i> , 2010, 70, 900-907.	2.0	27
98	Nano-fibrous sulfonated poly(ether ether ketone) membrane for selective electro-transport of ions. <i>Separation and Purification Technology</i> , 2010, 75, 174-182.	3.9	38
99	Hopping and tunneling transport over a wide temperature range in chemically synthesized doped and undoped polypyrrole. <i>Solid State Communications</i> , 2010, 150, 1766-1769.	0.9	25
100	Influence of conductive surface on adsorption behavior of ultrafiltration membrane. <i>Applied Surface Science</i> , 2010, 256, 3010-3017.	3.1	19
101	Preparation and characterization of coaxial halloysite/polypyrrole tubular nanocomposites for electrochemical energy storage. <i>Electrochimica Acta</i> , 2010, 55, 6857-6864.	2.6	78
102	Pyrroles and N-Vinylpyrroles from Ketones and Acetylenes. <i>Advances in Heterocyclic Chemistry</i> , 2010, 99, 209-254.	0.9	47
103	Artificial Muscle Reversibly Controlled by Enzyme Reactions. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 839-843.	2.1	38
104	Efficient and Scalable Synthesis of Pure Polypyrrole Nanoparticles Applicable for Advanced Nanocomposites and Carbon Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19244-19255.	1.5	122
105	Mechanochemical preparation of conducting polymers and oligomers. <i>Synthetic Metals</i> , 2010, 160, 47-51.	2.1	22
106	Water-dispersed polypyrrole nanospheres via chemical oxidative polymerization in the presence of castor oil sulfate. <i>Synthetic Metals</i> , 2010, 160, 345-350.	2.1	14
107	Electrospinning PVDF/PPy/MWCNTs conducting composites. <i>Synthetic Metals</i> , 2010, 160, 1603-1608.	2.1	57
108	Electrospinning and its applications. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2010, 1, 043002.	0.7	75

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109	Study of the structure and mechanical properties of pure and doped polyaniline. Phase Transitions, 2011, 84, 215-224.	0.6	1
110	Conjugated Polymers for Biosensor Devices. , 2011, , 529-556.		9
111	Rapid Determination of Estrogens in Milk Samples Based on Magnetite Nanoparticles/Polypyrrole Magnetic Solid-Phase Extraction Coupled with Liquid Chromatography-Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 8543-8549.	2.4	139
112	Advanced NOx gas sensing based on novel hybrid organic-inorganic semiconducting nanomaterial formed between pyrrole and Dawson type polyoxoanion [P2Mo18O62]6-. Journal of Materials Chemistry, 2011, 21, 7886.	6.7	15
113	Novel Synthesis of Stable Polypyrrole Nanospheres Using Ozone. Langmuir, 2011, 27, 13719-13728.	1.6	28
114	Impedance spectroscopy properties of polypyrrole doped with boric acid. Synthetic Metals, 2011, 161, 817-822.	2.1	27
115	Voltammetric determination of citric acid and quinine hydrochloride using polypyrrole-pentacyanonitrosylferrate/platinum electrode. Synthetic Metals, 2011, 161, 1707-1712.	2.1	26
116	A study of polymers obtained by oxidative coupling of furan monomers. Synthetic Metals, 2011, 161, 2220-2225.	2.1	6
117	Effect of monomer/oxidant mole ratio on polymerization mechanism, conductivity and spectral characteristics of mechanochemically prepared polypyrrole. Polymer Chemistry, 2011, 2, 216-220.	1.9	16
118	Polymer Based Biosensors for Pathogen Diagnostics. , 0, , .		0
119	Electrodeposition of polypyrrole-heparin and polypyrrole-hydroxyapatite films. Materials Letters, 2011, 65, 681-684.	1.3	19
120	Well-defined polypyrrole nanoflakes via chemical oxidative polymerization in the presence of sodium alkane sulfonate. Materials Letters, 2011, 65, 1448-1450.	1.3	7
121	Understanding of electrochemical and structural changes of polypyrrole/polyethylene glycol composite films in aqueous solution. Electrochimica Acta, 2011, 56, 9893-9903.	2.6	40
122	Praseodymium oxide/polypyrrole nanocomposites for electrochemical energy storage. Electrochimica Acta, 2011, 58, 193-202.	2.6	40
123	Acid blue AS doped polypyrrole (PPy/AS) nanomaterials with different morphologies as electrode materials for supercapacitors. Chemical Engineering Journal, 2011, 172, 1137-1144.	6.6	41
124	Poly(4-Chloromethyl Styrene-g-4-Vinylpyridine)/TiO2 Thin Films as Templates for the Synthesis of Polypyrrole in the Nanometer-Sized Domain. Designed Monomers and Polymers, 2011, 14, 433-444.	0.7	22
125	Graphene oxide/conducting polymer composite hydrogels. Journal of Materials Chemistry, 2011, 21, 18653.	6.7	283
126	Morphological effects of single-layer graphene oxide in the formation of covalently bonded polypyrrole composites using intermediate diisocyanate chemistry. Journal of Nanoparticle Research, 2011, 13, 4829-4837.	0.8	32

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127	Characterization of conductive poly(acrylonitrile-co-vinyl acetate) composites: Matrix polymerization of pyrrole derivatives. <i>Fibers and Polymers</i> , 2011, 12, 151-158.	1.1	12
129	Sensitive Electrochemical Sensor for Determination of Methyl dopa Based on Polypyrrole/Carbon Nanoparticle Composite Thin Film Made by In Situ Electropolymerization. <i>Electroanalysis</i> , 2011, 23, 2248-2254.	1.5	17
130	Electrical response of polypyrrole films doped with dodecylbenzene sulfonic acid to acetone vapor. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2518-2525.	1.3	1
132	A Palladium-Catalyzed Multicomponent Coupling Approach to π -Conjugated Oligomers: Assembling Imidazole-Based Materials from Imines and Acyl Chlorides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6552-6556.	7.2	56
133	Dielectric spectroscopy for probing the relaxation and charge transport in polypyrrole nanofibers. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	26
134	Preparation of polypyrrole by direct electrochemical oxidation of pyrrole on paraffin impregnated graphite electrode. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1931-1954.	1.0	1
135	Electrical properties and electromagnetic shielding effectiveness of polyester yarns with polypyrrole deposition. <i>Textile Research Journal</i> , 2012, 82, 2137-2148.	1.1	41
136	Electrochemically Deposited Polypyrrole for Dye-Sensitized Solar Cell Counter Electrodes. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-7.	1.4	28
137	Conductive Polymers in Medical Diagnostics. , 2012, , 96-119.		0
138	Solid-state ion selective electrode based on polypyrrole conducting polymer nanofilm as a new potentiometric sensor for Zn ²⁺ ion. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3315-3322.	1.2	30
139	Revisit of Polypyrrole as Cathode Material for Lithium-Ion Battery. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1624-A1629.	1.3	77
140	Electrically Conductive Films Made of Pyrrole-Formyl Pyrrole by Straightforward Chemical Copolymerization. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5961-5966.	1.8	11
141	Study of the electrosynthesis of hollow rectangular microtubes of polypyrrole. <i>Synthetic Metals</i> , 2012, 162, 1133-1139.	2.1	23
142	Optical absorption and dispersion analysis based on single-oscillator model of polypyrrole (PPy) thin film. <i>Synthetic Metals</i> , 2012, 162, 1357-1363.	2.1	40
143	Seeding approach to noble metal decorated conducting polymer nanofiber network. <i>Nanoscale</i> , 2012, 4, 106-109.	2.8	25
144	Facile decoration of polypyrrole nanoparticles onto graphene nanosheets for supercapacitors. <i>Synthetic Metals</i> , 2012, 162, 2349-2354.	2.1	25
145	Electropolymerized Polypyrrole Nanowires for Hydrogen Gas Sensing. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13388-13394.	1.5	77
146	Electrochemically controlled swelling properties of nanoporous templated polypyrrole and layer by layer polypyrrole. <i>Journal of Electroanalytical Chemistry</i> , 2012, 684, 47-52.	1.9	13

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147	Polypyrrole/ZnO hybrid sensor: Effect of camphor sulfonic acid doping on physical and gas sensing properties. <i>Synthetic Metals</i> , 2012, 162, 1598-1603.	2.1	55
148	Highly selective CO ₂ capture on N-doped carbon produced by chemical activation of polypyrrole functionalized graphene sheets. <i>Chemical Communications</i> , 2012, 48, 735-737.	2.2	328
149	Preparation and transport properties of PPy/PVDF composite membrane. <i>Polymers for Advanced Technologies</i> , 2012, 23, 1202-1206.	1.6	13
150	Conductivity and atmospheric aging studies of polypyrrole-coated cotton fabrics. <i>Journal of Applied Polymer Science</i> , 2012, 125, 844-851.	1.3	19
151	Nanosized polypyrrole affected by surfactant agitation for emulsion polymerization. <i>Polymer Bulletin</i> , 2012, 68, 1689-1705.	1.7	26
152	Effects of acidity on the size of polyaniline-poly(sodium 4-styrenesulfonate) composite particles and the stability of corresponding colloids in water. <i>Journal of Colloid and Interface Science</i> , 2012, 381, 11-16.	5.0	39
153	Fabrication of conductive electrospun silk fibroin scaffolds by coating with polypyrrole for biomedical applications. <i>Bioelectrochemistry</i> , 2012, 85, 36-43.	2.4	146
154	Polypyrrole nanoparticles with high dispersion stability via chemical oxidative polymerization in presence of an anionic/non-ionic bifunctional polymeric surfactant. <i>Powder Technology</i> , 2012, 217, 134-139.	2.1	21
155	Synthesis of polypyrrole nanoparticles in natural rubber/polystyrene blend via emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2115-2121.	1.3	7
156	Synthesis of polypyrrole-reduced graphene oxide composites by in-situ photopolymerization and its application as a supercapacitor electrode. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 125-129.	1.2	25
157	Polypyrrole/ZnO nanohybrids: effect of CSA doping on structure, morphology and optoelectronic properties. <i>Applied Nanoscience (Switzerland)</i> , 2013, 3, 423-429.	1.6	27
158	Theoretical approach to the structural, electronic, and morphological properties of poly(ϵ -caprolactone) grafted polypyrroles. <i>Macromolecular Research</i> , 2013, 21, 949-957.	1.0	2
159	Comparison of Oxidative Aromatic Coupling and the Scholl Reaction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9900-9930.	7.2	627
160	A spectroelectrochemical study of conducting pyrrole-N-methylpyrrole copolymers in nonaqueous solution. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1881-1889.	1.2	23
161	Xanthine microsensor based on polypyrrole molecularly imprinted film modified carbon fiber microelectrodes. <i>Analytical Biochemistry</i> , 2013, 440, 220-226.	1.1	9
163	Electrochemistry Preparation of Electrodes based on Polypyrrole and polymethylpyrrole/Manganese Dioxide Particles. <i>Energy Procedia</i> , 2013, 36, 1009-1017.	1.8	4
164	Preparation of a Three-Dimensional Ordered Macroporous Carbon Nanotube/Polypyrrole Composite for Supercapacitors and Diffusion Modeling. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20446-20455.	1.5	62
165	Redox Responsive Release of Hydrophobic Self-Healing Agents from Polyaniline Capsules. <i>Journal of the American Chemical Society</i> , 2013, 135, 14198-14205.	6.6	170

#	ARTICLE	IF	CITATIONS
166	Biomimetic Conducting Polymers: Synthesis, Materials, Properties, Functions, and Devices. <i>Polymer Reviews</i> , 2013, 53, 311-351.	5.3	119
167	Polypyrrole derivatives as solvent vapor sensors. <i>RSC Advances</i> , 2013, 3, 20545.	1.7	6
168	Oxidation-Responsive Polymers: Which Groups to Use, How to Make Them, What to Expect From Them (Biomedical Applications). <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 143-158.	1.1	98
169	Structural and electrochemical study of polypyrrole/ZnO nanocomposites coating on nickel sheet synthesized by electrochemical method. <i>Synthetic Metals</i> , 2013, 163, 51-56.	2.1	24
170	Effect of Acid Blue BRL on morphology and electrochemical properties of polypyrrole nanomaterials. <i>Powder Technology</i> , 2013, 235, 901-908.	2.1	12
171	Electrically conductive coatings of nickel and polypyrrole/poly(2-methoxyaniline-5-sulfonic acid) on nylon Lycra® textiles. <i>Progress in Organic Coatings</i> , 2013, 76, 1296-1301.	1.9	24
172	Photo switchable pendant furyl and thienyl fulgimides containing polypyrroles. <i>Polymer Degradation and Stability</i> , 2013, 98, 2224-2231.	2.7	7
173	Use of polypyrrole in catalysts for low temperature fuel cells. <i>Energy and Environmental Science</i> , 2013, 6, 1105.	15.6	153
174	A Comparative Study of the Effects of Rinsing and Aging of Polypyrrole/Nanocellulose Composites on Their Electrochemical Properties. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3900-3910.	1.2	23
175	Renewable antioxidant properties of suspensible chitosan-polypyrrole composites. <i>Reactive and Functional Polymers</i> , 2013, 73, 1072-1077.	2.0	41
176	Redox Cycling for Passive Modification of Polypyrrole Surface Properties: Effects on Cell Adhesion and Proliferation. <i>Advanced Healthcare Materials</i> , 2013, 2, 591-598.	3.9	16
177	Preparation and characterization of PPy doped with different anionic surfactants. <i>Polymer Engineering and Science</i> , 2013, 53, 2465-2469.	1.5	14
178	Preparation and characterization of sodium dodecyl sulfate doped polypyrrole solid phase micro extraction fiber and its application to endocrine disruptor pesticide analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 929, 90-96.	1.2	22
180	Facile electrochemical synthesis of a conducting copolymer from 5-aminoindole and EDOT and its use as Pt catalyst support for formic acid electrooxidation. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 751-760.	1.2	15
181	Polymer composite microtube array produced by meniscus-guided approach. <i>AIP Advances</i> , 2013, 3, .	0.6	8
182	Infrared and Micro-wave Properties of Polypyrrole Nanocomposites. <i>Integrated Ferroelectrics</i> , 2013, 144, 41-47.	0.3	1
183	Self-assembled polypyrrole film by interfacial polymerization for supercapacitor applications. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	22
184	PPy/Fe ₂ O ₃ hybrid nanocomposites: effect of CSA doping on structural, morphological, optical and electrical transport properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 65-75.	1.1	8

#	ARTICLE	IF	CITATIONS
185	Biocompatibility and antioxidant activity of polypyrrole nanotubes. <i>Synthetic Metals</i> , 2014, 189, 119-125.	2.1	32
186	Biodegradable polyaniline/dextrin conductive nanocomposites: synthesis, characterization, and study of antioxidant activity and sorption of heavy metal ions. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 257-266.	1.3	77
187	Direct electrochemical synthesis and characterization of polypyrrole nano- and micro-snails. <i>Electrochimica Acta</i> , 2014, 123, 527-534.	2.6	25
188	Infrared and microwave properties of polypyrrole/multi-walled carbon nanotube composites. <i>Journal of Luminescence</i> , 2014, 152, 117-120.	1.5	7
189	Incorporation of pyrene in polypyrrole/polystyrene magnetic beads. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 667-673.	2.0	3
190	Morphological modulation of polypyrrole thin films through oxidizing agents and their concurrent effect on supercapacitor performance. <i>Electrochimica Acta</i> , 2014, 119, 1-10.	2.6	74
191	Synthesis and characterization of hybrid nanocomposites of polypyrrole filled with iron oxide nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 236-243.	1.9	47
192	Influence of surfactants on properties of electrochemically synthesized pyrrole/1-dimethylaminopyrrole copolymer. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 783-792.	1.3	3
193	Polypyrrole derivatives for electrochromic applications. <i>RSC Advances</i> , 2014, 4, 55832-55845.	1.7	174
194	Nanocomposite of polypyrrole with the nanophotoadduct of sodium pentacyanonitrosylferrate(II) dihydrate and EDTA: A potential candidate for capacitor and a sensor for HF radio wave detection. <i>Synthetic Metals</i> , 2014, 198, 76-83.	2.1	15
195	Synthesis and application of polypyrrole/carrageenan nano-bio composite as a cathode catalyst in microbial fuel cells. <i>Carbohydrate Polymers</i> , 2014, 114, 253-259.	5.1	57
196	Synthesis of microcellular polypyrrole in a unidirectional freeze-dried polystyrene template and the conversion to microcellular carbon via morphology-retaining carbonization. <i>Synthetic Metals</i> , 2014, 196, 33-37.	2.1	6
197	Small-Bandgap Semiconducting Polymers with High Near-Infrared Photoresponse. <i>Journal of the American Chemical Society</i> , 2014, 136, 12130-12136.	6.6	259
198	Influence of doping anions on structure and properties of electro-polymerized polypyrrole counter electrodes for use in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014, 246, 491-498.	4.0	50
199	Facile preparation of soluble and conductive polyaniline in the presence of lignosulfonate and a constant magnetic field (0.4 T). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	4
200	Investigation of Structural, Thermal, and Electrical Properties of Nanocomposites Based on SnO ₂ Nanoparticles Dispersed in Conducting Polypyrrole Matrix. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2014, 44, 819-824.	0.6	6
201	Effects of composition on electrochemical properties of a non-precious metal catalyst towards oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16006-16014.	3.8	7
202	Electrochemical capacitance of poly(pyrrole-co-formylpyrrole)/sulfonated polystyrene layer-by-layer assembled multilayer films. <i>Journal of Materials Science</i> , 2014, 49, 5746-5756.	1.7	8

#	ARTICLE	IF	CITATIONS
203	A novel cross-linked anion exchange membrane with conjugated and non-conjugated pyridine groups. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14362-14369.	3.8	10
204	Protein functionalized Pt nanoparticles-conducting polymer nanocomposite film: Characterization and immunosensor application. <i>Polymer</i> , 2014, 55, 4003-4011.	1.8	16
205	Electropolymerization of carbon nanotubes/poly-ortho-aminophenol nanocomposite on a stainless steel fiber for the solid-phase microextraction of phthalate esters. <i>RSC Advances</i> , 2014, 4, 50426-50434.	1.7	17
206	Electrochemical Activity and Electrical Properties of Optimized Polypyrrole Coatings on Iron. <i>Journal of the Electrochemical Society</i> , 2015, 162, E307-E313.	1.3	17
208	One-Step Synthesis of Algae-Like MoS ₂ /PPy Nanocomposite: A Synergistic Catalyst with Superior Peroxidase-Like Catalytic Activity for H ₂ O ₂ Detection. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 886-892.	1.2	63
209	Hexaaryl-benzodipyrroles: Properties and Application as Amorphous Carrier-Transporting Materials. <i>Heterocycles</i> , 2015, 90, 261.	0.4	10
210	Preparation and Photoelectronic Properties of Zinc Oxide/Perovskite Nanocomposites/Polypyrrole. <i>Advanced Materials Research</i> , 2015, 1089, 24-27.	0.3	1
211	Copolymerization of Pyrrole and Thienyl end Capped Poly(dimethylsiloxane) by Iron (III) Chloride. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 195, 2109-2116.	0.5	2
212	Understanding Ionic Transport in Polypyrrole/Nanocellulose Composite Energy Storage Devices. <i>Electrochimica Acta</i> , 2015, 182, 1145-1152.	2.6	10
213	Improvement in the protective performance and adhesion of polypyrrole coating on AZ31 Mg alloys. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 478-485.	1.8	19
214	Carbon/polypyrrole composites for electrochemical capacitors. <i>Synthetic Metals</i> , 2015, 203, 44-48.	2.1	36
215	One-step route synthesis of active carbon@La ₂ NiO ₄ /NiO hybrid coatings as supercapacitor electrode materials: Significant improvements in electrochemical performance. <i>Journal of Electroanalytical Chemistry</i> , 2015, 742, 1-7.	1.9	25
216	In Situ Preparation of Polypyrrole Nanorod Composite in the Presence of Phosphorylated Polyvinyl Alcohol. <i>Advances in Polymer Technology</i> , 2015, 34, .	0.8	1
217	The effect of polypyrrole and nickel + polypyrrole coatings on corrosion behaviour AISI 304 stainless steel. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015, 51, 155-166.	0.3	8
218	Microneedle Copper (II) Selective Electrode based on Polypyrrole Doped with 8-Hydroxyquinoline-5-Sulfonic Acid. <i>Journal of the Electrochemical Society</i> , 2015, 162, B57-B61.	1.3	2
219	Morphological Influence of Polypyrrole Nanoparticles on the Performance of Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , 2015, 155, 263-271.	2.6	42
220	Easy preparation and characterization of conducting polymer-low molecular weight organogel system. <i>Polymer</i> , 2015, 61, 99-107.	1.8	9
221	A chitosan-polypyrrole@Fe ₃ O ₄ nanocomposite for magnetic solid-phase extraction of macrolides from swine urine samples. <i>Analytical Methods</i> , 2015, 7, 2806-2812.	1.3	8

#	ARTICLE	IF	CITATIONS
222	High sensitivity Schottky junction diode based on monolithically grown aligned polypyrrole nanofibers: Broad range detection of m-dihydroxybenzene. <i>Analytica Chimica Acta</i> , 2015, 886, 165-174.	2.6	8
223	The composites of silver with globular or nanotubular polypyrrole: The control of silver content. <i>Synthetic Metals</i> , 2015, 209, 105-111.	2.1	27
224	A palladium-catalysed multicomponent coupling approach to conjugated poly(1,3-dipoles) and polyheterocycles. <i>Nature Communications</i> , 2015, 6, 7411.	5.8	59
225	Dielectric properties and electric modulus of Au/PPy/n-Si (MPS) type Schottky barrier diodes (SBDS) as a function of frequency and applied bias voltage. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550075.	1.0	18
226	Enhancement effect of transition metal cations on the electrochromic properties of nanostructure iron doped polypyrrole film. <i>Journal of Electroanalytical Chemistry</i> , 2015, 746, 39-44.	1.9	17
227	Improved performance and stability of direct borohydride fuel cells (DBFCs) with porous polypyrrole support. <i>Journal of Porous Materials</i> , 2015, 22, 675-687.	1.3	12
228	Polypyrrole nanostructures and their field emission investigations. <i>Modern Physics Letters B</i> , 2015, 29, 1540035.	1.0	2
230	Electrochemical synthesis, in situ spectroelectrochemistry of conducting indole-titanium dioxide and zinc oxide polymer nanocomposites for rechargeable batteries. <i>Electrochimica Acta</i> , 2015, 185, 276-287.	2.6	18
231	Chemical synthesis and charge transport mechanism in solution processed flexible polypyrrole films. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 659-664.	1.9	16
232	Polymer based fabrics as transducers in ammonia & ethanol gas sensing. <i>Fibers and Polymers</i> , 2015, 16, 1803-1811.	1.1	14
233	Preparation of mesoporous La ₂ NiO ₄ /NiO filled activated carbon composite for high performance electrochemical electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6306-6313.	1.1	5
234	Electrochemical synthesis and <i>in situ</i> spectroelectrochemistry of conducting NMPy@TiO ₂ and ZnO polymer nanocomposites for Li secondary battery applications. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	26
235	A Poly(3,4-ethylenedioxyppyrole)@Au@WO ₃ Based Electrochromic Pseudocapacitor. <i>ChemPhysChem</i> , 2015, 16, 377-389.	1.0	41
236	A polypyrrole film with dual counter ions as a highly efficient medium for headspace solid-phase extraction of chloro-organic compounds. <i>Mikrochimica Acta</i> , 2015, 182, 617-624.	2.5	7
237	Conducting polypyrrole films as a potential tool for electrochemical treatment of azo dyes in textile wastewaters. <i>Journal of Hazardous Materials</i> , 2015, 283, 164-170.	6.5	48
238	The response behavior of PPy-DB18C6 electrode to terbium(III) in acetonitrile and its thermodynamic application. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1110-S1116.	2.3	0
239	Conductive Polymer-Based Membranes. , 0, , .		3
240	Conductive Elastomers for Stretchable Electronics, Sensors and Energy Harvesters. <i>Polymers</i> , 2016, 8, 123.	2.0	96

#	ARTICLE	IF	CITATIONS
241	Strong and electrically conductive nanopaper from cellulose nanofibers and polypyrrole. <i>Carbohydrate Polymers</i> , 2016, 152, 361-369.	5.1	65
242	Design of free-standing microstructured conducting polymer films for enhanced particle removal from non-uniform surfaces. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1968-1974.	2.4	7
243	Electrochemical Impedance Spectroscopic Study on Polypyrrole/Barium Titanate/Poly(acrylonitrile-co-methylacrylate) Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2016, 163, H205-H212.	1.3	6
244	Multilayer photoactive nanocolloidal PPy:PSS as a novel substitute for Pt free counter electrode in DSSC. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	9
245	In-situ and ex-situ resistance measurements of polypyrrole film using double-band electrode. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 104, 012026.	0.3	1
246	Field emission investigation of composites of Polypyrrole with graphene oxide, reduced graphene oxide and graphene nanoribbons. , 2016, , .		0
247	Supramolecular biosensors based on electropolymerised pyrrole-cyclodextrin modified surfaces for antibody detection. <i>Analyst</i> , The, 2016, 141, 3274-3279.	1.7	25
249	Electrochemical synthesis of 3D nano-/micro-structured porous polypyrrole. <i>Materials Letters</i> , 2016, 183, 397-400.	1.3	15
250	Metal-Free, Multicomponent Synthesis of Pyrrole-Based π -Conjugated Polymers from Imines, Acid Chlorides, and Alkynes. <i>Journal of the American Chemical Society</i> , 2016, 138, 10516-10521.	6.6	67
251	Electrodeposition of three-dimensional Pd nanoflowers on a PPy@MWCNTs with superior electrocatalytic activity for methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17987-17994.	3.8	50
252	Tailoring of polypyrrole backbone by optimizing synthesis parameters for efficient EMI shielding properties in X-band (8.2-12.4 GHz). <i>Synthetic Metals</i> , 2016, 222, 170-179.	2.1	25
253	Study of the electrochemical stability of polypyrrole coating on iron in sodium salicylate aqueous solution. <i>Synthetic Metals</i> , 2016, 221, 1-7.	2.1	13
254	3D polypyrrole structures as a sensing material for glucose detection. , 2016, , .		2
255	Preparation of multifunctional conductive polymers with-C=N-conjugated system and amino groups and application as active coating additives. <i>Reactive and Functional Polymers</i> , 2016, 109, 79-87.	2.0	5
256	Polypyrrole multilayer-laminated cellulose for large-scale repeatable mercury ion removal. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12425-12433.	5.2	50
257	Facile synthesis of polypyrrole nanowires for high-performance supercapacitor electrode materials. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 237-242.	1.8	109
258	In-situ preparation and characterization of pyrrole and tert-butyl 1-pyrrole-carboxylate on barium titanate/poly(acrylonitrile-co-methylacrylate) nanoparticles. <i>Reactive and Functional Polymers</i> , 2016, 100, 1-11.	2.0	4
259	Polymers with Nano-Encapsulated Functional Polymers. , 2016, , 125-154.		6

#	ARTICLE	IF	CITATIONS
260	Gas Sensitivity Study of Polypyrrole Decorated Graphene Oxide Thick Film. Journal of the Institution of Engineers (India): Series D, 2016, 97, 47-53.	0.6	10
261	Design Selective Gas Sensors Based on Nano-Sized Polypyrrole/Polytetrafluoroethylene and Polypropylene Membranes. IEEE Sensors Journal, 2016, 16, 2922-2928.	2.4	34
262	Counter electrodes from conducting polymer intercalated graphene for dye-sensitized solar cells. Journal of Power Sources, 2016, 309, 231-237.	4.0	50
263	Synthesis and photoluminescence modulating of polypyrrole fluorescent nano-spheres/dots. RSC Advances, 2016, 6, 23737-23745.	1.7	17
264	Electrically conductive polymeric membranes for fouling prevention and detection: A review. Desalination, 2016, 391, 1-15.	4.0	165
265	Nitrogen-doped porous carbon nanofiber webs for efficient CO ₂ capture and conversion. Carbon, 2016, 99, 79-89.	5.4	159
266	Preparation of Fe ₃ O ₄ @PPy magnetic nanoparticles as solid-phase extraction sorbents for preconcentration and separation of phthalic acid esters in water by gas chromatography-mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1011, 33-44.	1.2	46
267	Characterization of naproxen-polymer conjugates for drug-delivery. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 69-85.	1.9	8
268	Polypyrrole/poly(vinyl alcohol-co-ethylene) nanofiber composites on polyethylene terephthalate substrate as flexible electric heating elements. Composites Part A: Applied Science and Manufacturing, 2016, 81, 234-242.	3.8	31
269	Preparation and characterization of core-shell polystyrene/polyaniline/Pd composites and their catalytic properties for the reduction of 4-nitrophenol. Journal of Applied Polymer Science, 2017, 134, .	1.3	9
270	Investigation of photo-induced effect on electrical properties of Au/PPy/n-Si (MPS) type schottky barrier diodes. Journal of Materials Science: Materials in Electronics, 2017, 28, 6413-6420.	1.1	16
271	Enzyme-Based Logic Gates and Networks with Output Signals Analyzed by Various Methods. ChemPhysChem, 2017, 18, 1688-1713.	1.0	45
272	Electrochemistry, Electrochromic and Color Memory Properties of Polymer/Copolymer Based on Novel Dithienylpyrrole Structure. Electrochimica Acta, 2017, 229, 271-280.	2.6	52
273	One-pot synthesis, characterization, and field emission investigations of composites of polypyrrole with graphene oxide, reduced graphene oxide, and graphene nanoribbons. Journal of Applied Polymer Science, 2017, 134, 45170.	1.3	21
274	Characteristics of Two Self-Powered Glucose Biosensors. IEEE Sensors Journal, 2017, 17, 3607-3612.	2.4	26
275	Coatings of Conducting Polymers for Corrosion Protection of Mild Steel. Silicon, 2017, 9, 901-915.	1.8	7
276	Self-catalytic synthesis of hydrophilic polypyrrole/tellurium nanocomposite and its capacitance performance. Journal of Solid State Electrochemistry, 2017, 21, 2381-2391.	1.2	7
277	Tailoring the electrochemical degradation of iron protected with polypyrrole films for biodegradable cardiovascular stents. Electrochimica Acta, 2017, 245, 327-336.	2.6	15

#	ARTICLE	IF	CITATIONS
278	Polypyrrole/carbon nanotube supercapacitors: Technological advances and challenges. <i>Journal of Power Sources</i> , 2017, 352, 174-186.	4.0	219
279	Highly conductive polythiophene films doped with chloroauric acid for dual-mode sensing of volatile organic amines and thiols. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 380-387.	4.0	36
280	PdCo porous nanostructures decorated on polypyrrole @ MWCNTs conductive nanocompositeâ€”Modified glassy carbon electrode as a powerful catalyst for ethanol electrooxidation. <i>Applied Surface Science</i> , 2017, 401, 40-48.	3.1	29
281	Influence of electropolymerization temperature on corrosion, morphological and electrical properties of PPy doped with salicylate on iron. <i>Surface and Coatings Technology</i> , 2017, 328, 248-255.	2.2	13
282	Reviewâ€”Recent Research Progress in Surface Modification of LiFePO ₄ Cathode Materials. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2138-A2150.	1.3	55
283	Nanostructured polypyrrole: enhancement in thermoelectric figure of merit through suppression of thermal conductivity. <i>Materials Research Express</i> , 2017, 4, 085007.	0.8	34
284	Electrocatalytic Oxidations of Formic Acid and Ethanol over Pd Catalysts Supported on a Doped Polypyrroleâ€”Carbon Composite. <i>ChemistrySelect</i> , 2017, 2, 6260-6268.	0.7	14
285	Redox switch of ionic transport in conductive polypyrrole-engineered unipolar nanofluidic diodes. <i>Nano Research</i> , 2017, 10, 3715-3725.	5.8	39
286	Novel bio-nanocomposite materials for enhanced biodegradability and photocatalytic activity. <i>New Journal of Chemistry</i> , 2017, 41, 10198-10207.	1.4	31
287	Long-term stability of nanostructured polypyrrole electrochromic devices by using deep eutectic solvents. <i>Journal of Electroanalytical Chemistry</i> , 2017, 807, 70-75.	1.9	30
288	3.33 Conjugated Polymers for Biosensor Devices â†. , 2017, , 716-754.		9
289	5â€”Sulfoisophthalic acid monolithium salt doped polypyrrole/multiwalled carbon nanotubes composites for <sc>EMI</sc> shielding application in <sc>X</sc>â€band (8.2â€”12.4 <sc>GHz</sc>). <i>Journal of Applied Polymer Science</i> , 2017, 134, 45370.	1.3	19
290	Recurrent potential pulse technique for improvement of glucose sensing ability of 3D polypyrrole. <i>Measurement Science and Technology</i> , 2017, 28, 074004.	1.4	3
291	Conducting Polymer Hybrids. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , .	0.5	18
292	Electrochemical behavior of polypyrrole-coated AZ31 alloy modified by fluoride anions. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 777-785.	1.2	21
293	Structural, optical and electrical properties of polypyrrole in an ionic liquid. <i>Polymer Bulletin</i> , 2017, 74, 2625-2639.	1.7	14
294	Synthesis of RGO/Cu ₈ S ₅ /PPy Composite Nanosheets with Enhanced Peroxidase-Like Activity for Sensitive Colorimetric Detection of H ₂ O ₂ and Phenol. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600233.	1.2	33
295	Composites Based on Conducting Polymers and Carbon Nanotubes for Supercapacitors. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 305-336.	0.5	5

#	ARTICLE	IF	CITATIONS
296	Polypyrrole nanostructures and their thermoelectric performance. <i>Materials Chemistry Frontiers</i> , 2017, 1, 380-386.	3.2	121
297	Redox-electrodes for selective electrochemical separations. <i>Advances in Colloid and Interface Science</i> , 2017, 244, 6-20.	7.0	132
298	A PPy-B15C5 modified lanthanum (III) electrode in acetonitrile and its thermodynamic application. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1429-S1434.	2.3	1
299	Electro-Conductive Membranes for Permeation Enhancement and Fouling Mitigation: A Short Review. <i>Membranes</i> , 2017, 7, 39.	1.4	79
300	Multifunctional polypyrrole@maghemite@silver composites: synthesis, physico-chemical characterization and antibacterial properties. <i>Chemical Papers</i> , 2018, 72, 1789-1797.	1.0	11
301	Recent Progress in the Development of Conducting Polymer-Based Nanocomposites for Electrochemical Biosensors Applications: A Mini-Review. <i>Chemical Record</i> , 2018, 18, 599-618.	2.9	112
302	Influence of Nickel zinc Iron oxide Nanoparticles on AC Conductivity and Dielectric Properties of Polypyrrole. <i>Materials Today: Proceedings</i> , 2018, 5, 2479-2487.	0.9	1
303	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. <i>Materials Chemistry and Physics</i> , 2018, 213, 352-361.	2.0	35
304	Conducting polypyrrole nanotubes: a review. <i>Chemical Papers</i> , 2018, 72, 1563-1595.	1.0	112
305	Acid Blue dyes in polypyrrole synthesis: The control of polymer morphology at nanoscale in the promotion of high conductivity and the reduction of cytotoxicity. <i>Synthetic Metals</i> , 2018, 237, 40-49.	2.1	35
306	Polypyrrole with a functionalized multi-walled carbon nanotube hybrid nanocomposite: a new and efficient nitrite sensor. <i>New Journal of Chemistry</i> , 2018, 42, 3748-3757.	1.4	35
307	In4Se3 alloy core thermoelectric fibers. <i>Materials Letters</i> , 2018, 217, 13-15.	1.3	13
308	Electrodeposition of MnO ₂ on polypyrrole-coated stainless steel to enhance electrochemical activities in microbial fuel cells. <i>Solid State Ionics</i> , 2018, 316, 125-134.	1.3	24
309	Silver nanowire doped active carbon thin film electrode by ultrasonic spray coating for high performance supercapacitor. <i>Surface and Coatings Technology</i> , 2018, 350, 788-794.	2.2	15
310	Comparison study between corrosion protection of polypyrrole synthesized on stainless steel from phthalate and saccharinate aqueous medium. <i>Polymer Testing</i> , 2018, 67, 302-308.	2.3	11
311	Conductive polymer-based electro-conductive textile composites for electromagnetic interference shielding: A review. <i>Journal of Industrial Textiles</i> , 2018, 47, 2228-2252.	1.1	112
312	Facile synthesis of polypyrrole/ionic liquid nanoparticles and use as an electrocatalyst for oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2018, 335, 215-220.	6.6	28
313	Conductive polymers for thermoelectric power generation. <i>Progress in Materials Science</i> , 2018, 93, 270-310.	16.0	274

#	ARTICLE	IF	CITATIONS
314	Synthesis and characterization of dendritic polypyrrole silver nanocomposite and its application as a new urea biosensor. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45705.	1.3	19
315	Delocalization of π electrons and trapping action of ZnO nanoparticles in PPY matrix for hybrid solar cell application. <i>Journal of Molecular Structure</i> , 2018, 1156, 633-644.	1.8	23
316	Highly Efficient Gating of Electrically Actuated Nanochannels for Pulsatile Drug Delivery Stemming from a Reversible Wettability Switch. <i>Advanced Materials</i> , 2018, 30, 1703323.	11.1	69
317	The effect of synthesis parameters on the conductivity of PSf/PANI and PSf/PPy composite membranes. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 564-572.	0.9	4
318	Electro-capacitive performance of haemoglobin/polypyrrole composites for high power density electrode. <i>Journal of Analytical Science and Technology</i> , 2018, 9, .	1.0	4
319	High Performance Anti-Corrosion Coatings of Poly (Vinyl Butyral) Composites with Poly N-(vinyl)pyrrole and Carbon Black Nanoparticles. <i>Materials</i> , 2018, 11, 2307.	1.3	9
320	In-situ odd random phase electrochemical impedance spectroscopy study on the electropolymerization of pyrrole on iron in the presence of sodium salicylate " The influence of the monomer concentration. <i>Electrochimica Acta</i> , 2018, 290, 520-532.	2.6	8
321	Polypyrrole Nanoparticles Doped with Fullerene Uniformly Distributed in the Polymeric Phase: Synthesis, Morphology, and Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25539-25554.	1.5	17
322	Enzyme-Based Logic Systems: Composition, Operation, Interfacing, and Applications. , 2018, , 265-305.		0
323	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. <i>Advanced Science</i> , 2018, 5, 1700931.	5.6	83
325	The predictive power of aromaticity: quantitative correlation between aromaticity and ionization potentials and HOMO" LUMO gaps in oligomers of benzene, pyrrole, furan, and thiophene. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14808-14817.	1.3	38
326	Conductive Polymers: Opportunities and Challenges in Biomedical Applications. <i>Chemical Reviews</i> , 2018, 118, 6766-6843.	23.0	579
327	Two-Dimensional Conductive and Redox-Active Nanostructures Synthesized by Crystal-Controlled Polymerization for Electrochemical Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 4218-4226.	2.4	9
328	Synthesis of Nanoparticles. , 2018, , 392-429.		15
329	Effect of Nitrogen-Functional Groups on the ORR Activity of Activated Carbon Fiber-Polypyrrole-Based Electrodes. <i>Electrocatalysis</i> , 2018, 9, 697-705.	1.5	27
330	Synthesis, characterization and electrochemistry of polycyclic fused aromatic pyrroles and their conjugated polymers. <i>New Journal of Chemistry</i> , 2018, 42, 13565-13572.	1.4	8
331	A poly(4-nitroaniline)/poly(vinyl alcohol) electrospun nanofiber as an efficient nanosorbent for solid phase microextraction of diazinon and chlorpyrifos from water and juice samples. <i>Mikrochimica Acta</i> , 2018, 185, 384.	2.5	38
332	Conducting Polymer-Based Cantilever Sensors for Detection Humidity. <i>Scanning</i> , 2018, 2018, 1-6.	0.7	14

#	ARTICLE	IF	CITATIONS
333	Effect of the Dopant Anion and Oxidant on the Structure and Properties of Nanocomposites of Polypyrrole and Carbon Nanotubes. <i>Theoretical and Experimental Chemistry</i> , 2018, 54, 114-121.	0.2	8
335	Self-healing conductive hydrogels based on alginate, gelatin and polypyrrole serve as a repairable circuit and a mechanical sensor. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5704-5712.	2.9	112
336	Room temperature ac conductivity, dielectric properties and impedance analysis of polypyrrole-zinc cobalt oxide (PPy/ZCO) composites. <i>Physica B: Condensed Matter</i> , 2019, 573, 36-44.	1.3	12
337	Polypyrrole derivatives for optoelectronic applications: a DFT study on the influence of side groups. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17729-17739.	1.3	23
338	Conjugated Polymer Nanoparticles as a Promising Tool for Anticancer Therapeutics. , 2019, , 257-280.		2
339	Preparation and properties of amorphous TiO ₂ modified anion exchange membrane by impregnation-hydrolysis method. <i>Reactive and Functional Polymers</i> , 2019, 144, 104348.	2.0	7
340	Electrochromic Self-Electrostatic Polypyrrole Films Doped with Surfactant and Azo Dye. <i>Polymers</i> , 2019, 11, 1757.	2.0	14
341	Electrochemical behavior of composite electrode based on sulphonated polymeric surfactant (SPEEK/PSS) incorporated polypyrrole for supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 48-59.	1.9	27
342	Membrane technology coupled with electrochemical advanced oxidation processes for organic wastewater treatment: Recent advances and future prospects. <i>Chemical Engineering Journal</i> , 2019, 376, 120909.	6.6	156
343	Biomedical Applications of Electrospun Polymer Composite Nanofibres. <i>Lecture Notes in Bioengineering</i> , 2019, , 111-165.	0.3	5
344	Polymer Nanocomposites in Biomedical Engineering. <i>Lecture Notes in Bioengineering</i> , 2019, , .	0.3	17
345	Corrosion behavior of polypyrrole (Ppy) coating modified by polyethylene glycol (PEG) doped ammonium bifluoride on AZ31 magnesium alloy. <i>Progress in Organic Coatings</i> , 2019, 134, 22-32.	1.9	22
346	Comparative investigation of sensor application of polypyrrole for gaseous analytes. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3960.	0.9	39
347	Poly m-aminophenol/ nylon 6/graphene oxide electrospun nanofiber as an efficient sorbent for thin film microextraction of phthalate esters in water and milk solutions preserved in baby bottle. <i>Journal of Chromatography A</i> , 2019, 1600, 87-94.	1.8	31
348	Response Surface Methodology as a Powerful Tool for the Synthesis of Polypyrrole-Doped Organic Sulfonic Acid and the Optimization of its Thermoelectric Properties. <i>Journal of Electronic Materials</i> , 2019, 48, 3662-3675.	1.0	13
349	A Review of Supercapacitors Based on Graphene and Redox-Active Organic Materials. <i>Materials</i> , 2019, 12, 703.	1.3	76
350	Polymer-Based Magnetic Nanocomposites for the Removal of Highly Toxic Hexavalent Chromium from Aqueous Solutions. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 189-227.	0.3	8
351	One-Dimensional Nanostructure Engineering of Conducting Polymers for Thermoelectric Applications. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1422.	1.3	23

#	ARTICLE	IF	CITATIONS
352	Enhanced High-Rate and Low-Temperature Electrochemical Properties of LiFePO ₄ /Polypyrrole Cathode Materials for Lithium-ion Batteries. <i>International Journal of Electrochemical Science</i> , 2019, 14, 3408-3417.	0.5	20
353	A highly stretchable large strain sensor based on PEDOT-thermoplastic polyurethane hybrid prepared via in situ vapor phase polymerization. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 74, 108-117.	2.9	28
354	On-Chip Electrochemical Detection of Cholera Using a Polypyrrole-Functionalized Dendritic Gold Sensor. <i>ACS Sensors</i> , 2019, 4, 654-659.	4.0	27
355	The influence of electrodeposited PPy film morphology on the electrochemical characteristics of Nafion-based energy storage devices. <i>Journal of Electroanalytical Chemistry</i> , 2019, 836, 165-175.	1.9	25
356	Poly(azomethine)s Anchored by Cresol and Pyrrole Units: Synthesis, Characterization and Spectroscopy Studies. <i>Macromolecular Research</i> , 2019, 27, 164-174.	1.0	5
357	V ₂ O ₅ and its Carbon-Based Nanocomposites for Supercapacitor Applications. <i>ChemElectroChem</i> , 2019, 6, 1623-1648.	1.7	100
358	Effects of N-Substitution Group on Electrochemical, Electrochromic and Optical Properties of Dithienyl Derivative. <i>Journal of the Electrochemical Society</i> , 2019, 166, H12-H18.	1.3	13
359	Preparation and Characterization of Conductive Polyaniline/Silver Nanocomposite Films and Their Antimicrobial Studies. <i>Polymer Engineering and Science</i> , 2019, 59, E182.	1.5	17
360	Diameter effect of silver nanowire doped in activated carbon as thin film electrode for high performance supercapacitor. <i>Applied Surface Science</i> , 2019, 477, 257-263.	3.1	20
361	Electrosynthesized conducting poly(1,5-diaminonaphthalene) as a corrosion inhibitor for copper. <i>Polymer Bulletin</i> , 2020, 77, 3305-3324.	1.7	9
362	Nanocomposite structures of polypyrrole derivatives and poly (acrylonitrile-coitaconic acid) produced by in situ polymerization as carbon nanofiber precursor. <i>Polymers for Advanced Technologies</i> , 2020, 31, 536-543.	1.6	3
363	Thin films of cellulose acetate nanofibers from cigarette butt waste. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2020, 36, 3-17.	0.8	16
364	Effect of structural features of polypyrrole (PPy) on electrical conductivity reflected on ¹³ C ssNMR parameters. <i>Synthetic Metals</i> , 2020, 259, 116250.	2.1	11
365	Axonal extension from dorsal root ganglia on fibrillar and highly aligned poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 extruded microfibres. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1959-1969.	3.6	10
366	Polypyrrole nanoparticles: control of the size and morphology. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	8
367	Conducting polymer-functionalized carbon nanomaterials-based adsorbents. , 2020, , 327-340.		1
368	High-repeatability macro-porous sponge piezoresistive pressure sensor with polydopamine/polypyrrole composite coating based on in situ polymerization method. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	14
369	Electromagnetic interference shielding properties of ferrocene-based polypyrrole/carbon material composites. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	16

#	ARTICLE	IF	CITATIONS
370	Experimental Study and Mathematical Modeling of a Glyphosate Impedimetric Microsensor Based on Molecularly Imprinted Chitosan Film. <i>Chemosensors</i> , 2020, 8, 104.	1.8	9
371	Liquid/liquid interfacial polymerization as an effective synthesis approach for polypyrrole/MWCNTs nanocomposite with impressive nonlinear optical properties. <i>Optical Materials</i> , 2020, 104, 109940.	1.7	17
372	MoO ₃ Nanobelts Embedded Polypyrrole/SIS Copolymer Blends for Improved Electro-Mechanical Dual Applications. <i>Polymers</i> , 2020, 12, 353.	2.0	21
373	Gold nanoparticle decorated polypyrrole/graphene oxide nanosheets as a modified electrode for simultaneous determination of ascorbic acid, dopamine and uric acid. <i>New Journal of Chemistry</i> , 2020, 44, 4916-4926.	1.4	47
374	An active electro-Fenton PVDF/SS/PPy cathode membrane can remove contaminant by filtration and mitigate fouling by pairing with sacrificial iron anode. <i>Journal of Membrane Science</i> , 2020, 605, 118100.	4.1	26
375	Design and performance of polypyrrole/halloysite nanotubes/Fe ₃ O ₄ /Ag/Co nanocomposite for photocatalytic degradation of methylene blue under visible light irradiation. <i>Optik</i> , 2020, 212, 164721.	1.4	38
376	Hybrid micro-emulsion of aniline in sodium dodecyl sulfate micellar solution and sulfonic acids: morphology, electrical, thermal and kinetic studies. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	5
377	<p><p>One-Step Synthesis of Polypyrrole-Coated Gold Nanoparticles for Use as a Photothermally Active Nano-System</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2605-2615.	3.3	25
378	Solid Polymer Electrolytes Based on Polylactic Acid Nanofiber Mats Coated with Polypyrrole. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000584.	1.7	11
379	Effect of organic dyes and polypyrrole on the efficiency of dye-sensitized solar cells. <i>Materials Today: Proceedings</i> , 2021, 35, 69-72.	0.9	1
380	Electrothermal Modeling and Analysis of Polypyrrole-Coated Wearable E-Textiles. <i>Materials</i> , 2021, 14, 550.	1.3	11
381	Potential applications of polymeric-nanomaterial as drug delivery carriers in the biomedical field. , 2021, , 109-134.		2
382	High performance polypyrrole/SWCNTs composite film as a promising organic thermoelectric material. <i>RSC Advances</i> , 2021, 11, 17704-17709.	1.7	14
383	One-step synthesis of well-dispersed polypyrrole copolymers under gamma-ray irradiation. <i>Polymer Chemistry</i> , 2021, 12, 645-649.	1.9	9
384	BDNF–Gene Transfected Schwann Cell–Assisted Axonal Extension and Sprouting on New PLA–PPy Microfiber Substrates. <i>Macromolecular Bioscience</i> , 2021, 21, e2000391.	2.1	9
385	Morphology, Conductivity, and Mechanical Properties of Electropolymerized Polypyrrole/Silver-Coated Granular Microsphere Composite Films. <i>Brazilian Journal of Physics</i> , 2021, 51, 698-721.	0.7	3
386	Study on the electrochromic properties of polypyrrole layers doped with different dye molecules. <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115113.	1.9	16
388	All-polymer free-standing electrodes for flexible electrochemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129675.	4.0	23

#	ARTICLE	IF	CITATIONS
389	Mapping the electronic structure of polypyrrole with image-based electrochemical scanning tunneling spectroscopy. <i>Electrochemical Science Advances</i> , 0, , e2100028.	1.2	1
390	A Review on the Role of Polymers in Pharmaceutical Applications. <i>Venoms and Toxins</i> , 2021, 1, 41-55.	0.3	0
391	Inkjet Printing of Polypyrrole Electroconductive Layers Based on Direct Inks Freezing and Their Use in Textile Solid-State Supercapacitors. <i>Materials</i> , 2021, 14, 3577.	1.3	14
392	Thermally reshaped polyvinylpyrrolidone/SnO ₂ @p-toluenesulfonic acid-doped polypyrrole nanocables with high capacity and excellent cycle performance as anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159067.	2.8	12
393	Theoretical study and analytical performance of a lysozyme impedimetric microsensor based on a molecularly imprinted chitosan film. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129903.	4.0	11
394	MWCNT-Doped Polypyrrole-Carbon Black Modified Glassy Carbon Electrode for Efficient Electrochemical Sensing of Nitrite Ions. <i>Electrocatalysis</i> , 2021, 12, 650-666.	1.5	31
395	Role of dextran in stabilization of polypyrrole nanoparticles for photoacoustic imaging. <i>European Polymer Journal</i> , 2021, 157, 110634.	2.6	5
396	Polypyrrole sheets composed of nanoparticles as a promising room temperature thermo-electric material. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 134, 114889.	1.3	9
397	Gamma rays as an innovative tool for synthesizing conducting copolymers with improved properties. <i>New Journal of Chemistry</i> , 2021, 45, 13142-13157.	1.4	3
398	Prominence of conjugated polymers. , 2021, , 1-25.		0
399	Synthesis and evaluation of microwave absorption properties of Fe ₃ O ₄ /Halloysite/polypyrrole nanocomposites. <i>Micro and Nano Letters</i> , 2020, 15, 723-727.	0.6	11
400	Thermal Properties of Conducting Polypyrrole Nanotubes. <i>Acta Physica Polonica A</i> , 2015, 128, 730-737.	0.2	14
401	Pervaporation separation of ethanol via adsorbent-filled silicon rubber membranes. <i>Membrane Water Treatment</i> , 2014, 5, 265-279.	0.5	7
402	SYNTHESIS AND CHARACTERIZATION OF TOLUENE SULFONIC ACID (TSA)-DOPED POLYPYRROLE NANOPARTICLES: EFFECTS OF DOPANT CONCENTRATIONS. <i>International Journal of Innovation in Mechanical Engineering and Advanced Materials</i> , 2016, 2, 1.	0.1	4
403	Effect of Acidic Catalyst on Properties of Novel Conductive Copolymer Films Made of Pyrrole and Formyl Pyrrole. <i>Engineering</i> , 2012, 04, 139-145.	0.4	5
404	Fabrication of Platinum/ Polypyrrol-Carbon Nanofiber Nanocomposite Electrocatalyst for Direct Methanol Fuel Cells. <i>Journal of Nano Research</i> , 0, 70, 101-117.	0.8	2
405	Bioanalytical Application of Impedance Analysis: Transducing in Polymer-Based Biosensors and Probes for Living Tissues. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2004, , 181-198.	0.5	0
406	Characterization and Electrochemical Investigations of Novel Structures of Polypyrrole on Aluminum Flake Surface. <i>ECS Meeting Abstracts</i> , 2011, , .	0.0	0

#	ARTICLE	IF	CITATIONS
407	INFLUÊNCIA DO ELETRÓLITO NO DESEMPENHO DE FILMES DE POLIPÍRROL NA PROTEÇÃO DO ALUMÍNIO 2024 CONTRA A CORROSÃO. , 0, , .		0
408	Enzyme-Based Logic Systems: Composition, Operation, Interfacing, and Applications. , 2017, , 1-41.		0
409	Fabrication and characterization of vapor grown carbon nanofiber reinforced flexible polymer composites. Research on Engineering Structures and Materials, 2019, , .	0.2	0
410	Nanofiber Yapılarına Ayrılmış Yarıkselgenmi Polipirol Modifiye Kalem Ucu Elektrotları Elektrokimyasal Epinefrin Tayininde Kullanılmıştır. European Journal of Science and Technology, 0, , 355-362.	0.5	0
411	Preparation and characterization of anti-freezing conductive organohydrogel based on carboxyl modified polyvinyl alcohol and polypyrrole. Reactive and Functional Polymers, 2022, 170, 105089.	2.0	4
412	Redox-active polymers: The magic key towards energy storage – a polymer design guideline progress in polymer science. Progress in Polymer Science, 2022, 125, 101474.	11.8	48
413	Organic-based flexible thermoelectric generators: From materials to devices. Nano Energy, 2022, 92, 106774.	8.2	60
414	Polypyrrole as an ultrafast organic cathode for dual-ion batteries. EScience, 2021, 1, 186-193.	25.0	32
415	Impedance Spectroscopy of Charge Conducting Composite Materials Based on Microfibers of Polyvinylidene Fluoride Copolymer with Trifluoroethylene Modified with Polypyrrole. Technical Physics Letters, 2021, 47, 561-564.	0.2	0
417	Evolution of the Surface Structure and Functional Properties of the Electroconducting Polymer Coatings onto Porous Films. Coatings, 2022, 12, 51.	1.2	4
418	Rose Bengal-gold-polypyrrole nanoparticles as a photothermal/photodynamic dual treatment of recalcitrant plantar warts: Animal and clinical study. Journal of Drug Delivery Science and Technology, 2022, 69, 103095.	1.4	5
419	Poly-o-toluidine coated polyvinyl alcohol film: Reaction driven sensing capabilities. Materials Today: Proceedings, 2022, 51, 2293-2299.	0.9	4
420	In-situ generation of poly(quinolizine)s via catalyst-free polyannulations of activated diyne and pyridines. Science China Chemistry, 2022, 65, 789-795.	4.2	2
421	Pyrrole Coating with In Situ Polymerization for Piezoresistive Sensor Development - A Review. Macromolecular Research, 2022, 30, 153-162.	1.0	9
422	High-performance one and two-dimensional doped polypyrrole nanostructure for polymer solar cells applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 10165-10182.	1.1	8
423	Chitosan/polypyrrole hybrid film as multistep electrochemical sensor: sensing electrical, thermal and chemical working ambient. Materials Research Bulletin, 2022, 152, 111817.	2.7	12
424	A Hyaluronic Acid Demilune Scaffold and Polypyrrole-Coated Fibers Carrying Embedded Human Neural Precursor Cells and Curcumin for Surface Capping of Spinal Cord Injuries. Biomedicines, 2021, 9, 1928.	1.4	17
425	Electrochemical membrane technology for fouling control. , 2022, , 195-225.		2

#	ARTICLE	IF	CITATIONS
427	An electrochemical impedance study of core/shell nanocomposites containing MFe ₂ O ₄ @P(Pyrrrole-co-o-toluidine). Chemical Papers, 2022, 76, 5705-5719.	1.0	2
428	Nanoscale Sensors Based on Conductive Polymers. ACS Symposium Series, 0, , 219-254.	0.5	0
429	A Review of MnO ₂ Composites Incorporated with Conductive Materials for Energy Storage. Chemical Record, 2022, 22, .	2.9	12
430	Electrical Stimulation Increases Axonal Growth from Dorsal Root Ganglia Co-Cultured with Schwann Cells in Highly Aligned PLA-PPy-Au Microfiber Substrates. International Journal of Molecular Sciences, 2022, 23, 6362.	1.8	6
431	Influence of graphene oxide surface treatment by diazonium salts on thermoelectrical behavior of polypyrrole-based composites. Journal of Materials Science: Materials in Electronics, 2022, 33, 14938-14950.	1.1	3
432	Multi-walled carbon nanotubes/polypyrrole nanocomposite, synthesized through an eco-friendly route, as a prospective drug delivery system. Polymer Bulletin, 2023, 80, 4589-4609.	1.7	4
433	Interfacial polymerization synthesis of polypyrrole and sodium metavanadate (PPy/NaVO ₃) composite as an excellent performance electrode for supercapacitors. Results in Chemistry, 2022, 4, 100446.	0.9	6
434	Thermal and DC conducting behaviour of haemoglobin-doped polypyrrole. Bulletin of Materials Science, 2022, 45, .	0.8	0
435	Facile hydrothermal synthesis and microwave absorption of halloysite/polypyrrole/Fe ₃ O ₄ . Synthetic Metals, 2022, 290, 117142.	2.1	12
436	Influence of the type and concentration of oxidant on the photoacoustic response of polypyrrole nanoparticles for potential bioimaging applications. Synthetic Metals, 2023, 292, 117218.	2.1	4
437	A polypyrrole hybrid thin film with [sn(dmit) ₃] ²⁻ , [tris(1,3-dithiole-2-thione-4,5-dithiolate)stannate] ²⁻ : Surface analysis. Applied Surface Science, 2023, 612, 155801.	3.1	0
439	A novel design of Co ₃ O ₄ @SiO ₂ /PPy for supercapacitor electrode with improved performance. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	1
440	Asymmetric Monomer Design Enables Structural Control of M(Salen)-Type Polymers. Polymers, 2023, 15, 1127.	2.0	0
441	Tubular Polypyrrole with Chloride Ion Dopants as an Ultrafast Organic Anode for High-Power Lithium-Ion Batteries. ChemSusChem, 2023, 16, .	3.6	1
442	TM-Free and TM-Catalyzed Mechanosynthesis of Functional Polymers. Polymers, 2023, 15, 1853.	2.0	3