Jaroslav Stejskal

List of Publications by Year in descending order

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384	20,383	10351	16605
papers	citations	72 h-index	123 g-index

389	389	389	11755
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyaniline nanostructures and the role of aniline oligomers in their formation. Progress in Polymer Science, 2010, 35, 1420-1481.	11.8	681
2	Synthesis and structural study of polypyrroles prepared in the presence of surfactants. Synthetic Metals, 2003, 138, 447-455.	2.1	567
3	Polyaniline: The infrared spectroscopy of conducting polymer nanotubes (IUPAC Technical Report). Pure and Applied Chemistry, 2011, 83, 1803-1817.	0.9	485
4	The mechanism of the oxidative polymerization of aniline and the formation of supramolecular polyaniline structures. Polymer International, 2008, 57, 1295-1325.	1.6	480
5	Evolution of Polyaniline Nanotubes:Â The Oxidation of Aniline in Water. Journal of Physical Chemistry B, 2006, 110, 9461-9468.	1.2	412
6	Polyaniline and polypyrrole: A comparative study of the preparation. European Polymer Journal, 2007, 43, 2331-2341.	2.6	369
7	Oxidation of Aniline: Polyaniline Granules, Nanotubes, and Oligoaniline Microspheres. Macromolecules, 2008, 41, 3530-3536.	2.2	342
8	FTIR spectroscopic and conductivity study of the thermal degradation of polyaniline films. Polymer Degradation and Stability, 2004, 86, 179-185.	2.7	340
9	The genesis of polyaniline nanotubes. Polymer, 2006, 47, 8253-8262.	1.8	295
10	The formation of polyaniline and the nature of its structures. Polymer, 1996, 37, 367-369.	1.8	286
11	Multi-wall carbon nanotubes coated with polyaniline. Polymer, 2006, 47, 5715-5723.	1.8	286
12	Polyaniline nanotubes: conditions of formation. Polymer International, 2006, 55, 31-39.	1.6	270
13	Raman spectroscopy of polyaniline and oligoaniline thin films. Electrochimica Acta, 2014, 122, 28-38.	2.6	255
14	Biocompatibility of polyaniline. Synthetic Metals, 2012, 162, 722-727.	2.1	238
15	In-situ polymerized polyaniline films. Synthetic Metals, 1999, 105, 195-202.	2.1	231
16	Polyaniline: Thin films and colloidal dispersions (IUPAC Technical Report). Pure and Applied Chemistry, 2005, 77, 815-826.	0.9	221
17	Polyaniline Dispersions. 6. Stabilization by Colloidal Silica Particles. Macromolecules, 1996, 29, 6814-6819.	2.2	219
18	Thermal degradation of polyaniline films prepared in solutions of strong and weak acids and in water â€“ FTIR and Raman spectroscopic studies. Polymer Degradation and Stability, 2008, 93, 2147-2157.	2.7	215

#	Article	IF	Citations
19	The chemical oxidative polymerization of aniline in water: Raman spectroscopy. Journal of Raman Spectroscopy, 2008, 39, 1375-1387.	1.2	211
20	Polyaniline and polypyrrole prepared in the presence of surfactants: a comparative conductivity study. Polymer, 2003, 44, 1353-1358.	1.8	199
21	The effect of polymerization temperature on molecular weight, crystallinity, and electrical conductivity of polyaniline. Synthetic Metals, 1998, 96, 55-61.	2.1	197
22	In-situ polymerized polyaniline films. Synthetic Metals, 2001, 123, 503-507.	2.1	175
23	Polyaniline Dispersions. 5. Poly(vinyl alcohol) and Poly(N-vinylpyrrolidone) as Steric Stabilizers. Langmuir, 1996, 12, 3389-3392.	1.6	168
24	The conversion of polyaniline nanotubes to nitrogen-containing carbon nanotubes and their comparison with multi-walled carbon nanotubes. Polymer Degradation and Stability, 2009, 94, 929-938.	2.7	167
25	The oxidation of aniline with silver nitrate to polyanilineâ€“silver composites. Polymer, 2009, 50, 50-56.	1.8	158
26	Polyaniline prepared in the presence of various acids: a conductivity study. Polymer International, 2004, 53, 294-300.	1.6	157
27	Polypyrrole salts and bases: superior conductivity of nanotubes and their stability towards the loss of conductivity by deprotonation. RSC Advances, 2016, 6, 88382-88391.	1.7	145
28	Solid-State Protonation and Electrical Conductivity of Polyaniline. Macromolecules, 1998, 31, 2218-2222.	2.2	137
29	Polyaniline dispersions 8. The control of particle morphology. Polymer, 1999, 40, 2487-2492.	1.8	137
30	Aniline oligomers versus polyaniline. Polymer International, 2012, 61, 240-251.	1.6	137
31	Polypyrrole nanotubes: mechanism of formation. RSC Advances, 2014, 4, 1551-1558.	1.7	134
32	Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles. Applied Surface Science, 2017, 396, 169-176.	3.1	133
33	Conducting carbonized polyaniline nanotubes. Nanotechnology, 2009, 20, 245601.	1.3	131
34	The carbonization of granular polyaniline to produce nitrogen-containing carbon. Synthetic Metals, 2011, 161, 1122-1129.	2.1	131
35	The stability of polyaniline in strongly alkaline or acidic aqueous media. Polymer Degradation and Stability, 2008, 93, 592-600.	2.7	130
36	Kinetics and isotherm studies of methylene blue adsorption onto polyaniline nanotubes base/silica composite. Journal of Industrial and Engineering Chemistry, 2012, 18, 1964-1969.	2.9	128

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37	Spectroscopy of thin polyaniline films deposited during chemical oxidation of aniline. Chemical Papers, 2012, 66, .	1.0	127
38	Structural and conductivity changes during the pyrolysis of polyaniline base. Polymer Degradation and Stability, 2006, 91, 114-121.	2.7	124
39	Interaction of conducting polymers, polyaniline and polypyrrole, with organic dyes: polymer morphology control, dye adsorption and photocatalytic decomposition. Chemical Papers, 2020, 74, 1-54.	1.0	122
40	Organic coatings containing polyaniline and inorganic pigments as corrosion inhibitors. Progress in Organic Coatings, 2008, 62, 105-116.	1.9	115
41	Anticorrosion properties of polyaniline-coated pigments in organic coatings. Corrosion Science, 2008, 50, 3549-3560.	3.0	115
42	Conducting polypyrrole nanotubes: a review. Chemical Papers, 2018, 72, 1563-1595.	1.0	112
43	The effect of dielectric properties on the electrorheology of suspensions of silica particles coated with polyaniline. Physica A: Statistical Mechanics and Its Applications, 2003, 321, 411-424.	1.2	109
44	Control of polyaniline conductivity and contact angles by partial protonation. Polymer International, 2008, 57, 66-69.	1.6	109
45	Effect of polymerization conditions on the properties of polypyrrole prepared in the presence of sodium bis(2-ethylhexyl) sulfosuccinate. Synthetic Metals, 2004, 143, 153-161.	2.1	108
46	Conducting polymer-silver composites. Chemical Papers, 2013, 67, .	1.0	105
47	Polymers of phenylenediamines. Progress in Polymer Science, 2015, 41, 1-31.	11.8	105
48	Polyaniline complex with fullerene C60. European Polymer Journal, 2000, 36, 2321-2326.	2.6	104
49	Polypyrrole nanotubes: The tuning of morphology and conductivity. Polymer, 2017, 113, 247-258.	1.8	102
50	In-situ polymerized polyaniline films. Preparation in solutions of hydrochloric, sulfuric, or phosphoric acid. Thin Solid Films, 2006, 515, 1640-1646.	0.8	101
51	In-situ polymerized polyaniline films. Synthetic Metals, 2002, 129, 29-37.	2.1	100
52	Synthesis, Characterization, and Electrochemistry of Nanotubular Polypyrrole and Polypyrrole-Derived Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 14770-14784.	1.5	98
53	The biocompatibility of polyaniline and polypyrrole: A comparative study of their cytotoxicity, embryotoxicity and impurity profile. Materials Science and Engineering C, 2018, 91, 303-310.	3.8	96
54	Polyaniline: Forms and Formation. Collection of Czechoslovak Chemical Communications, 1995, 60, 1747-1755.	1.0	95

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55	Polyaniline prepared in the presence of various acids. Polymer Degradation and Stability, 2004, 86, 187-195.	2.7	94
56	MNDO-PM3 Study of the Early Stages of the Chemical Oxidative Polymerization of Aniline. Collection of Czechoslovak Chemical Communications, 2006, 71, 1407-1426.	1.0	94
57	Theoretical study of the oxidative polymerization of aniline with peroxydisulfate: Tetramer formation. International Journal of Quantum Chemistry, 2008, 108, 318-333.	1.0	92
58	Synthesis and characterization of conducting polyaniline 5-sulfosalicylate nanotubes. Nanotechnology, 2008, 19, 135606.	1.3	92
59	Low methanol-permeable polyaniline/Nafion composite membrane for direct methanol fuel cells. Journal of Power Sources, 2009, 190, 279-284.	4.0	91
60	Brominated Polyaniline. Chemistry of Materials, 2001, 13, 4083-4086.	3.2	90
61	Polypyrrole prepared in the presence of methyl orange and ethyl orange: nanotubes versus globules in conductivity enhancement. Journal of Materials Chemistry C, 2017, 5, 4236-4245.	2.7	90
62	Reprotonation of polyaniline: A route to various conducting polymer materials. Reactive and Functional Polymers, 2008, 68, 1355-1361.	2.0	89
63	Chemical Oxidative Polymerization of Safranines. Journal of Physical Chemistry B, 2007, 111, 2188-2199.	1.2	88
64	Chemical oxidative polymerization of anilinium sulfate versus aniline: Theory and experiment. Synthetic Metals, 2008, 158, 200-211.	2.1	84
65	Surface Polymerization of Aniline on Silica Gel. Langmuir, 2003, 19, 3013-3018.	1.6	82
66	Colloidal polyaniline dispersions: Antibacterial activity, cytotoxicity and neutrophil oxidative burst. Colloids and Surfaces B: Biointerfaces, 2014, 116, 411-417.	2.5	82
67	Polyaniline dispersions: preparation of spherical particles and their light-scattering characterization. Polymer, 1992, 33, 4857-4858.	1.8	80
68	Accelerating effect of some cation radicals on the polymerization of aniline. Polymer, 1995, 36, 4135-4140.	1.8	80
69	Polymerization of Aniline on Polyaniline Membranes. Journal of Physical Chemistry B, 2007, 111, 2440-2448.	1.2	79
70	Poly(aniline-co-pyrrole): powders, films, and colloids. Thermophoretic mobility of colloidal particles. Synthetic Metals, 2004, 146, 29-36.	2.1	78
71	Polyaniline prepared in solutions of phosphoric acid: Powders, thin films, and colloidal dispersions. Polymer, 2006, 47, 42-48.	1.8	76
72	On the origin of colloidal particles in the dispersion polymerization of aniline. Journal of Colloid and Interface Science, 2004, 274, 489-495.	5.0	75

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73	Conducting polymer hydrogels. Chemical Papers, 2017, 71, 269-291.	1.0	74
74	Electrorheological activity of polyphenylenediamine suspensions in silicone oil. Physica A: Statistical Mechanics and Its Applications, 2000, 283, 337-348.	1.2	73
75	In Situ Polymerized Polyaniline Films. Journal of Colloid and Interface Science, 2002, 248, 413-418.	5.0	72
76	Mixed electron and proton conductivity of polyaniline films in aqueous solutions of acids: beyond the 1000 S cm^{â”1} limit. Polymer International, 2009, 58, 872-879.	1.6	71
77	Synthesis and Characterization of Self-Assembled Polyaniline Nanotubes/Silica Nanocomposites. Journal of Physical Chemistry B, 2009, 113, 7116-7127.	1.2	71
78	The effect of pH on the oxidative polymerization of aniline and the morphology and properties of products. Russian Chemical Reviews, 2011, 79, 1123-1143.	2.5	70
79	Poly(phenylenediamine) Dispersions. Journal of Colloid and Interface Science, 2001, 236, 328-334.	5.0	69
80	Oxidation of aniline with strong and weak oxidants. Russian Journal of General Chemistry, 2012, 82, 256-275.	0.3	68
81	Chemical Oxidative Polymerization of Aminodiphenylamines. Journal of Physical Chemistry B, 2008, 112, 6976-6987.	1.2	67
82	Anticorrosion efficiency of zinc-filled epoxy coatings containing conducting polymers and pigments. Progress in Organic Coatings, 2015, 78, 1-20.	1.9	67
83	Phase transition in swollen gels. 6. Effect of aging on the extent of hydrolysis of aqueous polyacrylamide solutions and on the collapse of gels. Macromolecules, 1984, 17, 2868-2874.	2.2	66
84	Anticorrosion efficiency of organic coatings depending on the pigment volume concentration of polyaniline phosphate. Progress in Organic Coatings, 2008, 63, 228-237.	1.9	66
85	The electrorheological efficiency of polyaniline particles with various conductivities suspended in silicone oil. Colloid and Polymer Science, 2009, 287, 403-412.	1.0	66
86	Surface and Precipitation Polymerization of Aniline. Langmuir, 2002, 18, 5630-5632.	1.6	65
87	Magnetic materials based on manganeseâ€“zinc ferrite with surface-organized polyaniline coating. Journal of Magnetism and Magnetic Materials, 2006, 301, 155-165.	1.0	65
88	Flame-retardant effect of polyaniline coating deposited on cellulose fibers. Journal of Applied Polymer Science, 2005, 98, 2347-2354.	1.3	63
89	Influence of particle concentration on the electrorheological efficiency of polyaniline suspensions. European Polymer Journal, 2003, 39, 641-645.	2.6	62
90	Conformational transition in polyaniline films â€“ Spectroscopic and conductivity studies of ageing. Polymer Degradation and Stability, 2008, 93, 428-435.	2.7	62

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91	Fabrication of polyaniline/poly(vinyl alcohol)/montmorillonite hybrid aerogels toward efficient adsorption of organic dye pollutants. Journal of Hazardous Materials, 2022, 435, 129004.	6.5	62
92	Antibacterial properties of polyaniline-silver films. Chemical Papers, 2013, 67, .	1.0	59
93	Conductivity ageing in temperature-cycled polyaniline. Polymer Degradation and Stability, 2002, 78, 393-401.	2.7	58
94	Structure and stability of thin polyaniline films deposited in situ on silicon and gold during precipitation and dispersion polymerization of aniline hydrochloride. Thin Solid Films, 2011, 519, 5933-5941.	0.8	58
95	Catalytic activity of polypyrrole nanotubes decorated with noble-metal nanoparticles and their conversion to carbonized analogues. Synthetic Metals, 2016, 214, 14-22.	2.1	58
96	Polyaniline Cryogels Supported with Poly(vinyl alcohol): Soft and Conducting. Macromolecules, 2017, 50, 972-978.	2.2	58
97	Polyaniline Dispersions. 9. Dynamic Light Scattering Study of Particle Formation Using Different Stabilizers. Langmuir, 1998, 14, 6767-6771.	1.6	57
98	Synthesis and Characterization of Conducting Self-Assembled Polyaniline Nanotubes/Zeolite Nanocomposite. Langmuir, 2009, 25, 3122-3131.	1.6	57
99	Polyaniline cryogels: Biocompatibility of novel conducting macroporous material. Scientific Reports, 2018, 8, 135.	1.6	57
100	Towards directional assembly of hierarchical structures: aniline oligomers as the model precursors. Nanoscale, 2013, 5, 2620.	2.8	56
101	Resonance Raman Spectroscopy of Conducting Polypyrrole Nanotubes: Disordered Surface versus Ordered Body. Journal of Physical Chemistry A, 2018, 122, 9298-9306.	1.1	55
102	Electrorheology of polyaniline-coated silica particles in silicone oil. Journal Physics D: Applied Physics, 2000, 33, 1773-1780.	1.3	54
103	Polyaniline-coated cellulose fibers decorated with silver nanoparticles. Chemical Papers, 2008, 62, .	1.0	54
104	Polyanilineâ€“silver composites prepared by the oxidation of aniline with silver nitrate in solutions of sulfonic acids. Electrochimica Acta, 2011, 56, 3580-3585.	2.6	54
105	Polyaniline: Aniline oxidation with strong and weak oxidants under various acidity. Materials Chemistry and Physics, 2017, 194, 206-218.	2.0	54
106	Polypyrrole-coated cotton textile as adsorbent of methylene blue dye. Chemical Papers, 2018, 72, 1605-1618.	1.0	54
107	The effect of polyaniline layer deposited on silica particles on electrorheological and dielectric properties of their siliconeâ€“oil suspensions. Physica A: Statistical Mechanics and Its Applications, 2005, 353, 21-28.	1.2	53
108	Oxidation of Aniline with Silver Nitrate Accelerated byp-Phenylenediamine: A New Route to Conducting Composites. Macromolecules, 2010, 43, 10406-10413.	2.2	53

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109	Polyanilineâ€“silver composites prepared by the oxidation of aniline with mixed oxidants, silver nitrate and ammonium peroxydisulfate: The control of silver content. Polymer, 2011, 52, 5947-5952.	1.8	53
110	Polypyrroleâ€“silver composites prepared by the reduction of silver ions with polypyrrole nanotubes. Polymer Chemistry, 2013, 4, 3610.	1.9	53
111	The enhancement of the oxidation resistance of carbonyl iron by polyaniline coating and consequent changes in electromagnetic properties. Polymer Degradation and Stability, 2008, 93, 1826-1831.	2.7	52
112	Polyanilineâ€“silver composites prepared by the oxidation of aniline with silver nitrate in acetic acid solutions. Polymer International, 2010, 59, 437-446.	1.6	52
113	Polyaniline-coated silica gel. European Polymer Journal, 2002, 38, 631-637.	2.6	51
114	The reduction of silver ions with polyaniline: The effect of the type of polyaniline and the mole ratio of the reagents. Materials Letters, 2009, 63, 709-711.	1.3	50
115	The carbonization of thin polyaniline films. Thin Solid Films, 2012, 520, 6088-6094.	0.8	50
116	Purification of a conducting polymer, polyaniline, for biomedical applications. Synthetic Metals, 2014, 195, 286-293.	2.1	50
117	An effect of carbonization on the electrorheology of poly(p-phenylenediamine). Carbon, 2013, 63, 187-195.	5.4	49
118	Electrorheology of aniline oligomers. Colloid and Polymer Science, 2013, 291, 2079-2086.	1.0	49
119	The reduction of silver nitrate with various polyaniline salts to polyanilineâ€“silver composites. Reactive and Functional Polymers, 2009, 69, 86-90.	2.0	48
120	The observation of a conductivity threshold on the electrorheological effect of p-phenylenediamine oxidized with p-benzoquinone. Journal of Materials Chemistry C, 2015, 3, 9973-9980.	2.7	48
121	Preparation and characterization of aqueous polyaniline dispersions. European Polymer Journal, 1993, 29, 1305-1309.	2.6	47
122	Electromagnetic radiation shielding by composites of conducting polymers and wood. Journal of Applied Polymer Science, 2005, 95, 807-814.	1.3	47
123	Coating of zinc ferrite particles with a conducting polymer, polyaniline. Journal of Colloid and Interface Science, 2006, 298, 87-93.	5.0	47
124	Ferromagnetic behaviour of polyaniline-coated multi-wall carbon nanotubes containing nickel nanoparticles. Journal of Magnetism and Magnetic Materials, 2008, 320, 231-240.	1.0	47
125	NMR Investigation of Aniline Oligomers Produced in the Early Stages of Oxidative Polymerization of Aniline. Journal of Physical Chemistry B, 2009, 113, 6666-6673.	1.2	47
126	The deposition of globular polypyrrole and polypyrrole nanotubes on cotton textile. Applied Surface Science, 2015, 356, 737-741.	3.1	47

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127	Reduction of silver nitrate by polyaniline nanotubes to produce silver-polyaniline composites. Chemical Papers, 2009, 63, .	1.0	46
128	Self-assembled polyaniline nanotubes and nanoribbons/titanium dioxide nanocomposites. Synthetic Metals, 2010, 160, 1325-1334.	2.1	46
129	Electrical properties of polyaniline suspensions. Synthetic Metals, 1998, 97, 37-42.	2.1	45
130	Capillary zone electrophoresis with electroosmotic flow controlled by external radial electric field. Electrophoresis, 1999, 20, 2484-2492.	1.3	45
131	Thermal ageing of conducting polymeric composites. Polymer Degradation and Stability, 2003, 82, 251-256.	2.7	45
132	Flame retardancy afforded by polyaniline deposited on wood. Journal of Applied Polymer Science, 2007, 103, 24-30.	1.3	44
133	Polypyrrole/silver composites prepared by single-step synthesis. Synthetic Metals, 2013, 166, 57-62.	2.1	44
134	Detection of Aniline Oligomers on Polyanilineâ€“Gold Interface using Resonance Raman Scattering. ACS Applied Materials & Interfaces, 2014, 6, 942-950.	4.0	44
135	Polypyrrole Nanotubes and Their Carbonized Analogs: Synthesis, Characterization, Gas Sensing Properties. Sensors, 2016, 16, 1917.	2.1	44
136	Polyaniline stabilized highly dispersed Pt nanoparticles: Preparation, characterization and catalytic properties. Reactive and Functional Polymers, 2009, 69, 630-642.	2.0	43
137	The role of acidity profile in the nanotubular growth of polyaniline. Chemical Papers, 2010, 64, .	1.0	43
138	Oxidative stability of polyaniline. Polymer Degradation and Stability, 2012, 97, 1026-1033.	2.7	43
139	Selfâ€Assembly of Aniline Oligomers. Chemistry - an Asian Journal, 2013, 8, 129-137.	1.7	43
140	Enhanced thermal stability of multi-walled carbon nanotubes after coating with polyaniline salt. Polymer Degradation and Stability, 2012, 97, 1405-1414.	2.7	42
141	Conductivity of colloidal polyaniline dispersions. European Polymer Journal, 2001, 37, 219-226.	2.6	41
142	Hydrogenation of 2-ethyl-9,10-anthraquinone on Pd-polyaniline(SiO2) composite catalyst. Applied Catalysis A: General, 2007, 333, 219-228.	2.2	41
143	Anticorrosion properties of inorganic pigments surface-modified with a polyaniline phosphate layer. Progress in Organic Coatings, 2008, 63, 209-221.	1.9	41
144	Carbonization of aniline oligomers to electrically polarizable particles and their use in electrorheology. Chemical Engineering Journal, 2014, 256, 398-406.	6.6	41

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145	Gravure-printed ammonia sensor based on organic polyaniline colloids. Sensors and Actuators B: Chemical, 2016, 225, 510-516.	4.0	41
146	Conductivity and morphology of polyaniline and polypyrrole prepared in the presence of organic dyes. Synthetic Metals, 2020, 264, 116373.	2.1	40
147	Chemical composition distribution of a graft copolymer prepared from macromonomer: fractionation in demixing solvents. Macromolecules, 1989, 22, 861-865.	2.2	39
148	Pd/polyaniline(SiO2) a novel catalyst for the hydrogenation of 2-ethylanthraquinone. Catalysis Communications, 2005, 6, 347-356.	1.6	39
149	Polypyrrole and polyaniline prepared with cerium(IV) sulfate oxidant. Synthetic Metals, 2010, 160, 701-707.	2.1	38
150	Cationic dyes as morphology-guiding agents for one-dimensional polypyrrole with improved conductivity. Polymer, 2019, 174, 11-17.	1.8	38
151	Sensing of silver ions by nanotubular polyaniline film deposited on quartz-crystal in a microbalance. Synthetic Metals, 2010, 160, 42-46.	2.1	37
152	Polyaniline dispersions. 3. Influence of the polymerization conditions. Polymer International, 1993, 32, 401-405.	1.6	36
153	Solid-State Reduction of Silver Nitrate with Polyaniline Base Leading to Conducting Materials. ACS Applied Materials & Interfaces, 2009, 1, 1906-1912.	4.0	36
154	The oxidation of aniline with p-benzoquinone and its impact on the preparation of the conducting polymer, polyaniline. Synthetic Metals, 2014, 192, 66-73.	2.1	36
155	The oxidative polymerization of pâ€phenylenediamine with silver nitrate: Toward highly conducting micro/nanostructured silver/conjugated polymer composites. Journal of Polymer Science Part A, 2011, 49, 3387-3403.	2.5	35
156	Cotton Fabric Coated with Conducting Polymers and its Application in Monitoring of Carnivorous Plant Response. Sensors, 2016, 16, 498.	2.1	35
157	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. Materials Chemistry and Physics, 2018, 213, 352-361.	2.0	35
158	Acid Blue dyes in polypyrrole synthesis: The control of polymer morphology at nanoscale in the promotion of high conductivity and the reduction of cytotoxicity. Synthetic Metals, 2018, 237, 40-49.	2.1	35
159	Electrorheology of polyaniline-coated inorganic particles in silicone oil. Journal of Colloid and Interface Science, 2003, 258, 174-178.	5.0	34
160	Ternary composites of multi-wall carbon nanotubes, polyaniline, and noble-metal nanoparticles for potential applications in electrocatalysis. Chemical Papers, 2009, 63, .	1.0	34
161	The material combining conducting polymer and ionic liquid: Hydrogen bonding interactions between polyaniline and imidazolium salt. Synthetic Metals, 2014, 197, 168-174.	2.1	34
162	Conducting polymers are not just conducting: a perspective for emerging technology. Polymer International, 2020, 69, 662-664.	1.6	34

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163	Preferential solvation in polymer-monomer-solvent systems and its potential effect on the kinetics of polymerization. Macromolecules, 1983, 16, 1136-1143.	2.2	33
164	Polymerization of aniline in ice. Synthetic Metals, 2008, 158, 927-933.	2.1	33
165	The carbonization of colloidal polyaniline nanoparticles to nitrogenâ€containing carbon analogues. Polymer International, 2010, 59, 875-878.	1.6	33
166	The reduction of silver nitrate to metallic silver inside polyaniline nanotubes and on oligoaniline microspheres. Synthetic Metals, 2010, 160, 1479-1486.	2.1	33
167	Conducting polyanilineâ€“montmorillonite composites. Synthetic Metals, 2010, 160, 2596-2604.	2.1	33
168	Micro/mesoporous conducting carbonized polyaniline 5-sulfosalicylate nanorods/nanotubes: Synthesis, characterization and electrocatalysis. Synthetic Metals, 2011, 161, 2179-2184.	2.1	33
169	Electrorheology of polyaniline, carbonized polyaniline, and their coreâ€“shell composites. Materials Letters, 2013, 101, 90-92.	1.3	33
170	Effect of oxidant on electronic transport in polypyrrole nanotubes synthesized in the presence of methyl orange. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1147-1159.	2.4	33
171	Graft copolymer statistics. 2. Application to graft copolymers prepared from macromonomers. Macromolecules, 1987, 20, 181-185.	2.2	32
172	Application of percolation concepts to electrical conductivity of polyanilineâ€“inorganic salt composites. Journal of Materials Chemistry, 1999, 9, 2425-2428.	6.7	32
173	Protonation of Polyaniline with 3-Nitro-1,2,4-triazol-5-one. Chemistry of Materials, 2002, 14, 3602-3606.	3.2	32
174	The chemical and colloidal stability of polyaniline dispersions. Polymer Degradation and Stability, 2005, 88, 428-434.	2.7	32
175	The reaction of polyaniline with iodine. Polymer, 2008, 49, 180-185.	1.8	32
176	In-situ prepared polyanilineâ€“silver composites: Single- and two-step strategies. Electrochimica Acta, 2014, 122, 259-266.	2.6	32
177	Colloids of polypyrrole nanotubes/nanorods: A promising conducting ink. Synthetic Metals, 2016, 221, 67-74.	2.1	32
178	Synergistic conductivity increase in polypyrrole/molybdenum disulfide composite. Polymer, 2018, 150, 130-137.	1.8	32
179	Grafting of gelatin during polymerization of methyl methacrylate in aqueous medium. Journal of Applied Polymer Science, 1988, 36, 215-227.	1.3	31
180	Polyaniline prepared in ethylene glycol or glycerol. Polymer, 2011, 52, 1900-1907.	1.8	31

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181	Effect of surface treatment of pigment particles with polypyrrole and polyaniline phosphate on their corrosion inhibiting properties in organic coatings. Progress in Organic Coatings, 2014, 77, 1465-1483.	1.9	31
182	Printed Flexible Gas Sensors based on Organic Materials. Procedia Engineering, 2015, 120, 614-617.	1.2	31
183	Synthesis and characterization of polyaniline/BEA zeolite composites and their application in nicosulfuron adsorption. Microporous and Mesoporous Materials, 2019, 287, 234-245.	2.2	31
184	Conducting polyaniline/multi-wall carbon nanotubes composite paints on low carbon steel for corrosion protection: electrochemical investigations. Chemical Papers, 2013, 67, .	1.0	30
185	Conducting polyaniline based cell culture substrate for embryonic stem cells and embryoid bodies. RSC Advances, 2015, 5, 50328-50335.	1.7	30
186	Exploring the Critical Factors Limiting Polyaniline Biocompatibility. Polymers, 2019, 11, 362.	2.0	30
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