Jan Prokes

List of Publications by Year in Descending Order

59 papers	1,728 citations	21 h-index	40 g-index
59 ext. papers	1,899 ext. citations	3.3 avg, IF	4.6 L-index

#	Paper	IF	Citations
59	Polypyrrole-Coated Melamine Sponge as a Precursor for Conducting Macroporous Nitrogen-Containing Carbons. *Coatings*, **2022**, 12, 324	2.9	1
58	Effect of sterilization techniques on the conductivity of polyaniline and polypyrrole. *Synthetic Metals*, **2021**, 282, 116937	3.6	0
57	Comparison of carbonized and activated polypyrrole globules, nanofibers, and nanotubes as conducting nanomaterials and adsorbents of organic dye. *Carbon Trends*, **2021**, 4, 100068	0	3
56	Melamine Sponges Decorated with Polypyrrole Nanotubes as Macroporous Conducting Pressure Sensors. *ACS Applied Nano Materials*, **2021**, 4, 7513-7519	5.6	4
55	Conducting polypyrrole-coated macroporous melamine sponges: a simple toy or an advanced material?. *Chemical Papers*, **2021**, 75, 5035-5055	1.9	5
54	Conversion of conducting polypyrrole nanostructures to nitrogen-containing carbons and its impact on the adsorption of organic dye. *Materials Advances*, **2021**, 2, 706-717	3.3	13
53	One-Pot Preparation of Conducting Melamine/Polypyrrole/Magnetite Ferrosponge. *ACS Applied Polymer Materials*, **2021**, 3, 1107-1115	4.3	9
52	Conducting polypyrrole and polypyrrole/manganese dioxide composites prepared with a solid sacrificial oxidant of pyrrole. *Synthetic Metals*, **2021**, 278, 116807	3.6	1
51	Elaboration and properties of nanofibrillated cellulose composites with polypyrrole nanotubes or their carbonized analogs. *Synthetic Metals*, **2021**, 278, 116806	3.6	4
50	Pressure-Sensitive Conducting and Antibacterial Materials Obtained by Dispersion Coating of Macroporous Melamine Sponges with Polypyrrole. *ACS Omega*, **2021**, 6, 20895-20901	3.9	7
49	Conducting and Magnetic Composites Polypyrrole Nanotubes/Magnetite Nanoparticles: Application in Magnetorheology. *ACS Applied Nano Materials*, **2021**, 4, 2247-2256	5.6	2
48	Conductivity and morphology of polyaniline and polypyrrole prepared in the presence of organic dyes. *Synthetic Metals*, **2020**, 264, 116373	3.6	25
47	Conducting polyaniline prepared in the solutions of formic acid: Does functionalization with carboxyl groups occur?. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 235, 118300	4.4	5
46	Electromagnetic interference shielding of polypyrrole nanostructures. *Synthetic Metals*, **2020**, 269, 116577	3.6	11
45	One-Dimensional Nanostructures of Polypyrrole for Shielding of Electromagnetic Interference in the Microwave Region. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
44	Role of -Benzoquinone in the Synthesis of a Conducting Polymer, Polyaniline. *ACS Omega*, **2019**, 4, 7128-7139	3.9	16
43	Nanotubular polypyrrole: Reversibility of protonation/deprotonation cycles and long-term stability. *European Polymer Journal*, **2019**, 115, 290-297	5.2	11

42	Polyaniline Cryogels Supported with Poly(vinyl alcohol): Soft and Conducting. *Macromolecules*, **2017**, 50, 972-978	5.5	48
41	Explosive hazards in polyaniline chemistry. *Chemical Papers*, **2017**, 71, 387-392	1.9	1
40	Optimization routes for high electrical conductivity of polypyrrole nanotubes prepared in presence of methyl orange. *Synthetic Metals*, **2017**, 230, 89-96	3.6	37
39	Partially sulfonated polyaniline: conductivity and spectroscopic study. *Chemical Papers*, **2017**, 71, 329-338	1.9	7
38	Effect of water release on thermal properties of polyaniline. *Chemical Papers*, **2017**, 71, 393-400	1.9	2
37	Dye-stimulated control of conducting polypyrrole morphology. *RSC Advances*, **2017**, 7, 51495-51505	3.7	21
36	Polypyrrole Nanotubes and Their Carbonized Analogs: Synthesis, Characterization, Gas Sensing Properties. *Sensors*, **2016**, 16,	3.8	36
35	Polypyrrole salts and bases: superior conductivity of nanotubes and their stability towards the loss of conductivity by deprotonation. *RSC Advances*, **2016**, 6, 88382-88391	3.7	102
34	Conducting materials prepared by the oxidation of p-phenylenediamine with p-benzoquinone. *Journal of Solid State Electrochemistry*, **2015**, 19, 2653-2664	2.6	12
33	Coaxial conducting polymer nanotubes: polypyrrole nanotubes coated with polyaniline or poly(p-phenylenediamine) and products of their carbonisation. *Chemical Papers*, **2015**, 69,	1.9	15
32	Preparation of conducting polysiloxane/polyaniline composites. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	6
31	Influence of preparation methods on the electrical and nanomechanical properties of poly(methyl methacrylate)/multiwalled carbon nanotubes composites. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	5
30	Conducting composites prepared by the reduction of silver ions with poly(p-phenylenediamine). *Polymer International*, **2015**, 64, 496-504	3.3	15
29	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	2.6	27
28	Polypyrrole nanotubes: mechanism of formation. *RSC Advances*, **2014**, 4, 1551-1558	3.7	107
27	Electrical conductivity of epoxy/silicone/carbon black composites: Effect of composite microstructure. *Polymer Composites*, **2014**, 35, 2234-2240	3	3
26	Polypyrrole/silver composites prepared by the reduction of silver ions with polypyrrole nanotubes. *Polymer Chemistry*, **2013**, 4, 3610	4.9	51
25	Multi-wall carbon nanotubes with nitrogen-containing carbon coating. *Chemical Papers*, **2013**, 67,	1.9	11

24	Effect of compression pressure on mechanical and electrical properties of polyaniline pellets. *Chemical Papers*, **2013**, 67,	1.9	12
23	The preparation of conducting polyaniline–silver and poly(p-phenylenediamine)–silver nanocomposites in liquid and frozen reaction mixtures. *Journal of Solid State Electrochemistry*, **2011**, 15, 2361-2368	2.6	20
22	The oxidative polymerization of p-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	33
21	Suspension polymerization of aniline hydrochloride in non-aqueous media. *Polymer International*, **2011**, 60, 794-797	3.3	4
20	The influence of compression pressure on transport properties of polyaniline. *Journal of Materials Chemistry*, **2011**, 21, 5038		15
19	Electrically Conductive Polymeric Composites and Nanocomposites **2011**, 425-477		5
18	Polyaniline–silver composites prepared by the oxidation of aniline with silver nitrate in acetic acid solutions. *Polymer International*, **2010**, 59, 437-446	3.3	48
17	Stability of electrical properties of carbon black-filled rubbers. *Journal of Applied Polymer Science*, **2009**, 112, 2918-2924	2.9	12
16	A comparative study on the electrical and mechanical behaviour of multi-walled carbon nanotube composites prepared by diluting a masterbatch with various types of polypropylenes. *Journal of Applied Polymer Science*, **2009**, 113, 2536-2551	2.9	129
15	Reduction of silver nitrate by polyaniline nanotubes to produce silver-polyaniline composites. *Chemical Papers*, **2009**, 63,	1.9	44
14	Control of polyaniline conductivity and contact angles by partial protonation. *Polymer International*, **2008**, 57, 66-69	3.3	88
13	Polyaniline-coated cellulose fibers decorated with silver nanoparticles. *Chemical Papers*, **2008**, 62,	1.9	52
12	Mechanical and electrical properties of composites based on thermoplastic matrices and conductive cellulose fibers. *Journal of Applied Polymer Science*, **2006**, 101, 133-142	2.9	25
11	Polyaniline nanotubes: conditions of formation. *Polymer International*, **2006**, 55, 31-39	3.3	253
10	Electromagnetic radiation shielding by composites of conducting polymers and wood. *Journal of Applied Polymer Science*, **2005**, 95, 807-814	2.9	42
9	The influence of tungsten compounds on the synthesis and properties of polyaniline. *Polymer International*, **2005**, 54, 1606-1612	3.3	7
8	Polyaniline prepared in the presence of various acids: a conductivity study. *Polymer International*, **2004**, 53, 294-300	3.3	142
7	Temperature- and humidity-related degradation of conducting polyaniline films. *Macromolecular Symposia*, **2004**, 212, 447-454	0.8	9

6	Hybrid organic-inorganic coatings and films containing conducting polyaniline nanoparticles. *Macromolecular Symposia*, **2004**, 212, 343-348	0.8	3
5	Protonation of Polyaniline with 3-Nitro-1,2,4-triazol-5-one. *Chemistry of Materials*, **2002**, 14, 3602-3606	9.6	29
4	Brominated Polyaniline. *Chemistry of Materials*, **2001**, 13, 4083-4086	9.6	88
3	Stability of electrical and mechanical properties of polyethylene/carbon black composites. *Macromolecular Symposia*, **2001**, 170, 231-240	0.8	9
2	Stability of electrical properties of conducting polymer composites. *Macromolecular Symposia*, **2001** , 170, 241-248	0.8	4
1	Control of Electrical Properties of Polyaniline. *Polymer International*, **1997**, 43, 117-125	3.3	23