

# Patrycja Bober

## List of Publications by Year in descending order

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105  
papers

2,932  
citations

147566

31  
h-index

205818

48  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2989  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced electrochemical performance of electrosynthesized fibrillar polypyrrole film. <i>Materials Letters</i> , 2022, 308, 131295.	1.3	5
2	Tuning of hydrophobicity of conducting films cast from polyaniline-phytic acid-poly(N-vinylpyrrolidone) dispersions. <i>Progress in Organic Coatings</i> , 2022, 163, 106666.	1.9	1
3	Optimization of oxidant for polymerization of indole in water-ethanol medium. <i>Polymer</i> , 2022, 239, 124447.	1.8	8
4	Macroporous nitrogen-containing carbon for electrochemical capacitors. <i>Electrochimica Acta</i> , 2022, 418, 140370.	2.6	2
5	Fabrication of polyaniline/poly(vinyl alcohol)/montmorillonite hybrid aerogels toward efficient adsorption of organic dye pollutants. <i>Journal of Hazardous Materials</i> , 2022, 435, 129004.	6.5	62
6	Poly(3,4-ethylenedioxythiophene):Poly(styrene sulfonate) in antibacterial, tissue engineering and biosensors applications: Progress, challenges and perspectives. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	16
7	Nanostructured poly(N-methyl pyrrole) with enhanced conductivity and capacitance. <i>Synthetic Metals</i> , 2022, 290, 117134.	2.1	1
8	The evolution of the molecular structure of polypyrrole during chemical polymerization. <i>Synthetic Metals</i> , 2021, 271, 116608.	2.1	22
9	Modulation of Differentiation of Embryonic Stem Cells by Polypyrrole: The Impact on Neurogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 501.	1.8	8
10	Sponge-like polypyrrole nanofibrillated cellulose aerogels: synthesis and application. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12615-12623.	2.7	14
11	Nitrogen-containing carbon enriched with tungsten atoms prepared by carbonization of polyaniline. <i>Chemical Papers</i> , 2021, 75, 5153-5161.	1.0	6
12	Enhancement of conductivity, mechanical and biological properties of polyaniline-poly(N-vinylpyrrolidone) cryogels by phytic acid. <i>Polymer</i> , 2021, 217, 123450.	1.8	9
13	Progress in research and applications of conducting polymers: topical issue. <i>Chemical Papers</i> , 2021, 75, 4979-4980.	1.0	2
14	Synthesis and Impedance Spectroscopy of Poly(p-phenylenediamine)/Montmorillonite Composites. <i>Polymers</i> , 2021, 13, 3132.	2.0	6
15	Electropolymerized polypyrrole/safranin-O films: Capacitance enhancement. <i>Polymer</i> , 2021, 230, 124099.	1.8	8
16	Tuning the Conductivity, Morphology, and Capacitance with Enhanced Antibacterial Properties of Polypyrrole by Acriflavine Hydrochloride. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6063-6069.	2.0	12
17	Conducting polymer composite aerogel with magnetic properties for organic dye removal. <i>Synthetic Metals</i> , 2020, 260, 116266.	2.1	29
18	Effect of structural features of polypyrrole (PPy) on electrical conductivity reflected on <sup>13</sup> C ssNMR parameters. <i>Synthetic Metals</i> , 2020, 259, 116250.	2.1	11

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19	Poly(p-phenylenediamine)/maghemite composite as highly effective adsorbent for anionic dye removal. <i>Reactive and Functional Polymers</i> , 2020, 146, 104436.	2.0	14
20	Carbon Materials Derived from Poly(aniline-co-p-phenylenediamine) Cryogels. <i>Polymers</i> , 2020, 12, 11.	2.0	8
21	Polyaniline-metal organic framework (Fe-BTC) composite for electrochemical applications. <i>Polymer</i> , 2020, 208, 122945.	1.8	22
22	Highly conducting 1-D polypyrrole prepared in the presence of safranin. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12140-12147.	2.7	22
23	Methyl red dye in the tuning of polypyrrole conductivity. <i>Polymer</i> , 2020, 207, 122854.	1.8	16
24	Frozen State Polymerization as a Tool in Conductivity Enhancement of Polypyrrole. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000364.	2.0	10
25	One-step synthesis of polyaniline silver cryogels. <i>Journal of Materials Science</i> , 2020, 55, 10427-10434.	1.7	3
26	The First Stages of Chemical and Electrochemical Aniline Oxidation Spectroscopic Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2091.	1.3	14
27	Effect of initial freezing temperature and comonomer concentration on the properties of poly(aniline-co-m-phenylenediamine) cryogels supported by poly(vinyl alcohol). <i>Colloid and Polymer Science</i> , 2020, 298, 293-301.	1.0	6
28	The biocompatibility of polyaniline and polypyrrole 2 : Doping with organic phosphonates. <i>Materials Science and Engineering C</i> , 2020, 113, 110986.	3.8	18
29	Biocompatible and antibacterial gelatin-based polypyrrole cryogels. <i>Polymer</i> , 2020, 197, 122491.	1.8	26
30	Conducting macroporous polyaniline/poly(vinyl alcohol) aerogels for the removal of chromium(VI) from aqueous media. <i>Chemical Papers</i> , 2020, 74, 3183-3193.	1.0	24
31	Carbogels: carbonized conducting polyaniline/poly(vinyl alcohol) aerogels derived from cryogels for electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1785-1796.	5.2	14
32	Surface modification of tungsten disulfide with polypyrrole for enhancement of the conductivity and its impact on hydrogen evolution reaction. <i>Applied Surface Science</i> , 2019, 492, 497-503.	3.1	15
33	Synthesis and characterization of polyaniline/BEA zeolite composites and their application in nicosulfuron adsorption. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 234-245.	2.2	31
34	Polyaniline colloids stabilized with bioactive polysaccharides: Non-cytotoxic antibacterial materials. <i>Carbohydrate Polymers</i> , 2019, 219, 423-430.	5.1	23
35	Cationic dyes as morphology-guiding agents for one-dimensional polypyrrole with improved conductivity. <i>Polymer</i> , 2019, 174, 11-17.	1.8	38
36	Tailoring of carbonized polypyrrole nanotubes core by different polypyrrole shells for oxygen reduction reaction selectivity modification. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 184-194.	5.0	27

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37	Highly conducting and biocompatible polypyrrole/poly(vinyl alcohol) cryogels. <i>Synthetic Metals</i> , 2019, 252, 122-126.	2.1	23
38	Exploring the Critical Factors Limiting Polyaniline Biocompatibility. <i>Polymers</i> , 2019, 11, 362.	2.0	30
39	In-Vitro Hemocompatibility of Polyaniline Functionalized by Bioactive Molecules. <i>Polymers</i> , 2019, 11, 1861.	2.0	7
40	Multifunctional polypyrrole@maghemite@silver composites: synthesis, physico-chemical characterization and antibacterial properties. <i>Chemical Papers</i> , 2018, 72, 1789-1797.	1.0	11
41	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. <i>Materials Chemistry and Physics</i> , 2018, 213, 352-361.	2.0	35
42	Reduction of silver ions to silver with polyaniline/poly(vinyl alcohol) cryogels and aerogels. <i>Chemical Papers</i> , 2018, 72, 1619-1628.	1.0	10
43	Polyaniline cryogels: Biocompatibility of novel conducting macroporous material. <i>Scientific Reports</i> , 2018, 8, 135.	1.6	57
44	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
45	Oxidation of pyrrole with <i>p</i> -benzoquinone to semiconducting products and their application in electrorheology. <i>New Journal of Chemistry</i> , 2018, 42, 10167-10176.	1.4	9
46	Conducting polymer colloids, hydrogels, and cryogels: common start to various destinations. <i>Colloid and Polymer Science</i> , 2018, 296, 989-994.	1.0	11
47	Polypyrrole-coated cotton textile as adsorbent of methylene blue dye. <i>Chemical Papers</i> , 2018, 72, 1605-1618.	1.0	54
48	Writing in a Polyaniline Film with Laser Beam and Stability of the Record: A Raman Spectroscopy Study. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-8.	1.2	33
49	Conducting composite cryogels based on poly(aniline-co-p-phenylenediamine) supported by poly(vinyl) Tj ETQq1 1 0,784314,rgBT /Ov	2.1	9
50	The biocompatibility of polyaniline and polypyrrole: A comparative study of their cytotoxicity, embryotoxicity and impurity profile. <i>Materials Science and Engineering C</i> , 2018, 91, 303-310.	3.8	96
51	Effect of 1,3-phenylenediamine concentration on the properties of poly(aniline-co-1,3-phenylenediamine) cryogels. <i>Materials Letters</i> , 2018, 229, 68-70.	1.3	7
52	Synergistic conductivity increase in polypyrrole/molybdenum disulfide composite. <i>Polymer</i> , 2018, 150, 130-137.	1.8	32
53	Polyaniline Cryogels Supported with Poly(vinyl alcohol): Soft and Conducting. <i>Macromolecules</i> , 2017, 50, 972-978.	2.2	58
54	Colloidal dispersions of conducting copolymers of aniline and <i>p</i> -phenylenediamine for films with enhanced conductometric sensitivity to temperature. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1668-1674.	2.7	15

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55	Interfaced conducting polymers. <i>Synthetic Metals</i> , 2017, 224, 109-115.	2.1	15
56	Polypyrrole nanotubes: The tuning of morphology and conductivity. <i>Polymer</i> , 2017, 113, 247-258.	1.8	102
57	Explosive hazards in polyaniline chemistry. <i>Chemical Papers</i> , 2017, 71, 387-392.	1.0	1
58	Assessment of the properties of diethyl phosphite as a novel anticorrosion pigment in organic coatings. <i>Chemical Papers</i> , 2017, 71, 423-438.	1.0	0
59	Cell-compatible conducting polyaniline films prepared in colloidal dispersion mode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 309-316.	2.5	9
60	Phosphorus and nitrogen-containing carbons obtained by the carbonization of conducting polyaniline complex with phosphites. <i>Electrochimica Acta</i> , 2017, 246, 443-450.	2.6	19
61	Polypyrrole prepared in the presence of methyl orange and ethyl orange: nanotubes versus globules in conductivity enhancement. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4236-4245.	2.7	90
62	Polyaniline: Aniline oxidation with strong and weak oxidants under various acidity. <i>Materials Chemistry and Physics</i> , 2017, 194, 206-218.	2.0	54
63	Trends in science and applications of conducting polymers: topical issue. <i>Chemical Papers</i> , 2017, 71, 177-177.	1.0	1
64	Formation of bacterial and fungal biofilm on conducting polyaniline. <i>Chemical Papers</i> , 2017, 71, 505-512.	1.0	4
65	Cytotoxicity of poly(p-phenylenediamine). <i>Chemical Papers</i> , 2017, 71, 367-372.	1.0	1
66	Biological properties of printable polyaniline and polyaniline-silver colloidal dispersions stabilized by gelatin. <i>Synthetic Metals</i> , 2017, 232, 52-59.	2.1	24
67	Structure and properties of polyaniline interacting with H-phosphonates. <i>Synthetic Metals</i> , 2017, 232, 79-86.	2.1	14
68	Antimicrobial activity and cytotoxicity of cotton fabric coated with conducting polymers, polyaniline or polypyrrole, and with deposited silver nanoparticles. <i>Applied Surface Science</i> , 2017, 396, 169-176.	3.1	133
69	Cotton Fabric Coated with Conducting Polymers and its Application in Monitoring of Carnivorous Plant Response. <i>Sensors</i> , 2016, 16, 498.	2.1	35
70	Polypyrrole Nanotubes and Their Carbonized Analogs: Synthesis, Characterization, Gas Sensing Properties. <i>Sensors</i> , 2016, 16, 1917.	2.1	44
71	Twin carbons: The carbonization of cellulose or carbonized cellulose coated with a conducting polymer, polyaniline. <i>Carbon</i> , 2016, 109, 836-842.	5.4	13
72	Polypyrrole salts and bases: superior conductivity of nanotubes and their stability towards the loss of conductivity by deprotonation. <i>RSC Advances</i> , 2016, 6, 88382-88391.	1.7	145

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73	Colloids of polypyrrole nanotubes/nanorods: A promising conducting ink. <i>Synthetic Metals</i> , 2016, 221, 67-74.	2.1	32
74	Gravure-printed ammonia sensor based on organic polyaniline colloids. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 510-516.	4.0	41
75	Polyaniline- $\gamma$ -maghemite based dispersion: Electrical, magnetic properties and their cytotoxicity. <i>Synthetic Metals</i> , 2016, 214, 23-29.	2.1	18
76	Magnetoconductive maghemite core/polyaniline shell nanoparticles: Physico-chemical and biological assessment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 382-389.	2.5	15
77	Preparation of conducting polysiloxane/polyaniline composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	6
78	Conducting composites prepared by the reduction of silver ions with poly( <i>p</i> -phenylenediamine). <i>Polymer International</i> , 2015, 64, 496-504.	1.6	17
79	Conducting polyaniline based cell culture substrate for embryonic stem cells and embryoid bodies. <i>RSC Advances</i> , 2015, 5, 50328-50335.	1.7	30
80	Blood coagulation and platelet adhesion on polyaniline films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 278-285.	2.5	19
81	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
82	Conducting materials prepared by the oxidation of <i>p</i> -phenylenediamine with <i>p</i> -benzoquinone. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2653-2664.	1.2	13
83	The deposition of globular polypyrrole and polypyrrole nanotubes on cotton textile. <i>Applied Surface Science</i> , 2015, 356, 737-741.	3.1	47
84	Towards conducting inks: Polypyrrole- $\gamma$ -silver colloids. <i>Electrochimica Acta</i> , 2014, 122, 296-302.	2.6	29
85	In-situ prepared polyaniline- $\gamma$ -silver composites: Single- and two-step strategies. <i>Electrochimica Acta</i> , 2014, 122, 259-266.	2.6	32
86	Polypyrrole nanotubes: mechanism of formation. <i>RSC Advances</i> , 2014, 4, 1551-1558.	1.7	134
87	Biocomposites of Nanofibrillated Cellulose, Polypyrrole, and Silver Nanoparticles with Electroconductive and Antimicrobial Properties. <i>Biomacromolecules</i> , 2014, 15, 3655-3663.	2.6	106
88	The oxidation of aniline with <i>p</i> -benzoquinone and its impact on the preparation of the conducting polymer, polyaniline. <i>Synthetic Metals</i> , 2014, 192, 66-73.	2.1	36
89	Charge transport and dielectric relaxation processes in aniline-based oligomers. <i>Synthetic Metals</i> , 2014, 192, 37-42.	2.1	11
90	Characterization of Polyaniline-Based Ammonia Gas Sensors Prepared by Means of Spray Coating and Ink-Jet Printing. <i>Sensor Letters</i> , 2014, 12, 1620-1627.	0.4	6

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91	Enhanced pH stability of conducting polyaniline by reprotonation with perfluorooctanesulfonic acid. <i>Synthetic Metals</i> , 2013, 178, 52-55.	2.1	26
92	Bi-hybrid coatings: polyaniline-montmorillonite filler in organic-inorganic polymer matrix. <i>Chemical Papers</i> , 2013, 67, .	1.0	8
93	Electrorheology of aniline-oligomer suspensions under oscillatory shear. <i>Journal of Physics: Conference Series</i> , 2013, 412, 012007.	0.3	2
94	Electrorheology of aniline oligomers. <i>Colloid and Polymer Science</i> , 2013, 291, 2079-2086.	1.0	49
95	Polypyrrole-silver composites prepared by the reduction of silver ions with polypyrrole nanotubes. <i>Polymer Chemistry</i> , 2013, 4, 3610.	1.9	53
96	Electrical transport properties of poly(aniline-co-p-phenylenediamine) and its composites with incorporated silver particles. <i>Chemical Papers</i> , 2013, 67, .	1.0	12
97	Polyaniline-silver composites prepared by the oxidation of aniline with mixed oxidants, silver nitrate and ammonium peroxydisulfate: The control of silver content. <i>Polymer</i> , 2011, 52, 5947-5952.	1.8	53
98	The preparation of conducting polyaniline-silver and poly(p-phenylenediamine)-silver nanocomposites in liquid and frozen reaction mixtures. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2361-2368.	1.2	20
99	The oxidative polymerization of <i>p</i> -phenylenediamine with silver nitrate: Toward highly conducting micro/nanostructured silver/conjugated polymer composites. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3387-3403.	2.5	35
100	Polyaniline-silver composites prepared by the oxidation of aniline with silver nitrate in solutions of sulfonic acids. <i>Electrochimica Acta</i> , 2011, 56, 3580-3585.	2.6	54
101	Polyaniline-coated silver nanowires. <i>Reactive and Functional Polymers</i> , 2010, 70, 656-662.	2.0	29
102	Polyaniline-silver composites prepared by the oxidation of aniline with silver nitrate in acetic acid solutions. <i>Polymer International</i> , 2010, 59, 437-446.	1.6	52
103	Oxidation of Aniline with Silver Nitrate Accelerated by <i>p</i> -Phenylenediamine: A New Route to Conducting Composites. <i>Macromolecules</i> , 2010, 43, 10406-10413.	2.2	53
104	Conducting polyaniline-montmorillonite composites. <i>Synthetic Metals</i> , 2010, 160, 2596-2604.	2.1	33
105	Application of Ink-Jet Printing and Spray Coating for the Fabrication of Polyaniline/Poly(N-Vinylpyrrolidone)-Based Ammonia Gas Sensor. <i>Key Engineering Materials</i> , 0, 644, 61-64.	0.4	3