Dusan Kopeck

List of Publications by Citations

36 papers	644 citations	13 h-index	24 g-index
40 ext. papers	778 ext. citations	5.1 avg, IF	3.82 L-index

#	Paper	IF	Citations
36	Polypyrrole nanotubes: mechanism of formation. *RSC Advances*, **2014**, 4, 1551-1558	3.7	107
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	Polypyrrole–silver composites prepared by the reduction of silver ions with polypyrrole nanotubes. *Polymer Chemistry*, **2013**, 4, 3610	4.9	51
33	Optimization routes for high electrical conductivity of polypyrrole nanotubes prepared in presence of methyl orange. *Synthetic Metals*, **2017**, 230, 89-96	3.6	37
32	Polypyrrole Nanotubes and Their Carbonized Analogs: Synthesis, Characterization, Gas Sensing Properties. *Sensors*, **2016**, 16,	3.8	36
31	Synthesis of silver-anchored polyaniline–chitosan magnetic nanocomposite: a smart system for catalysis. *RSC Advances*, **2017**, 7, 18553-18560	3.7	34
30	Nitrogen-rich hierarchically porous polyaniline-based adsorbents for carbon dioxide (CO2) capture. *Chemical Engineering Journal*, **2019**, 360, 1199-1212	14.7	31
29	Dye-stimulated control of conducting polypyrrole morphology. *RSC Advances*, **2017**, 7, 51495-51505	3.7	21
28	Polypyrrole thin films for gas sensors prepared by Matrix-Assisted Pulsed Laser Evaporation technology: Effect of deposition parameters on material properties. *Thin Solid Films*, **2009**, 517, 2083-2087	2.2	20
27	Deposition of organic metalocomplexes for sensor applications by MAPLE. *Sensors and Actuators B: Chemical*, **2007**, 125, 189-194	8.5	20
26	The ageing of polypyrrole nanotubes synthesized with methyl orange. *European Polymer Journal*, **2017**, 96, 176-189	5.2	17
25	Laser deposition of sulfonated phthalocyanines for gas sensors. *Applied Surface Science*, **2014**, 302, 37-41	6.7	16
24	Impedance properties of polypyrrolic sensors prepared by MAPLE technology. *Sensors and Actuators B: Chemical*, **2009**, 137, 88-93	8.5	14
23	Adsorption–desorption noise in QCM gas sensors. *Sensors and Actuators B: Chemical*, **2012**, 166-167, 264-268	8.5	12
22	Nanotubular polypyrrole: Reversibility of protonation/deprotonation cycles and long-term stability. *European Polymer Journal*, **2019**, 115, 290-297	5.2	11
21	Electromagnetic interference shielding of polypyrrole nanostructures. *Synthetic Metals*, **2020**, 269, 116573	3.6	11
20	One-Dimensional Nanostructures of Polypyrrole for Shielding of Electromagnetic Interference in the Microwave Region. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9

19	Multi-scale analysis of amorphous solid dispersions prepared by freeze drying of ibuprofen loaded acrylic polymer nanoparticles. *Journal of Drug Delivery Science and Technology*, **2019**, 53, 101182	4.5	8
18	Application of polyaniline for potentiometric recognition of salicylate and its analogues. *Electrochimica Acta*, **2014**, 115, 553-558	6.7	8
17	Self-assembly of poly(L-lactide-co-glycolide) and magnetic nanoparticles into nanoclusters for controlled drug delivery. *European Polymer Journal*, **2020**, 133, 109795	5.2	8
16	Preparation of carbon-based monolithic CO2 adsorbents with hierarchical pore structure. *Chemical Engineering Journal*, **2020**, 388, 124308	14.7	7
15	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
14	Amino-substituted Tröger's base: electrochemical polymerization and characterization of the polymer film. *Electrochimica Acta*, **2017**, 224, 439-445	6.7	6
13	Synthesis of conductive macroporous composite polymeric materials using porogen-free method. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 557, 137-145	5.1	6
12	Doped polypyrrole for MAPLE deposition: Synthesis and characterization. *Synthetic Metals*, **2010**, 160, 1081-1085	3.6	6
11	Conducting polypyrrole-coated macroporous melamine sponges: a simple toy or an advanced material?. *Chemical Papers*, **2021**, 75, 5035-5055	1.9	5
10	Urease adsorption immobilization on ionic liquid-like macroporous polymeric support. *Journal of Materials Science*, **2019**, 54, 14884-14896	4.3	4
9	Influence of non-thermal plasma on structural and electrical properties of globular and nanostructured conductive polymer polypyrrole in water suspension. *Scientific Reports*, **2017**, 7, 15068	4.9	4
8	Polypyrrole active layers of gas sensors prepared by MAPLE technology. *Journal of Physics: Conference Series*, **2007**, 76, 012044	0.3	4
7	New approach for the development of reduced graphene oxide/polyaniline nanocomposites via sacrificial surfactant-stabilized reduced graphene oxide. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 589, 124415	5.1	4
6	Melamine Sponges Decorated with Polypyrrole Nanotubes as Macroporous Conducting Pressure Sensors. *ACS Applied Nano Materials*, **2021**, 4, 7513-7519	5.6	4
5	Memory Efficient Grasping Point Detection of Nontrivial Objects. *IEEE Access*, **2021**, 9, 82130-82145	3.5	4
4	Elaboration and properties of nanofibrillated cellulose composites with polypyrrole nanotubes or their carbonized analogs. *Synthetic Metals*, **2021**, 278, 116806	3.6	4
3	AC Analysis of Organocomplex Sensing Layer with Pd Catalyst. *Sensor Letters*, **2010**, 8, 507-511	0.9	3
2	An environmentally benign methodology to elaborating polymer nanocomposites with tunable properties using core-shell nanoparticles and cellulose nanocrystals. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 553, 169-179	5.1	3

1	Carboxyethyl-functionalized 3D porous polypyrrole synthesized using a porogen-free method for covalent immobilization of urease. *Microporous and Mesoporous Materials*, **2021**, 311, 110690	5.3	0