

DuÅ;an KopeckÃ½

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

920
citations

516215

16
h-index

454577

30
g-index

40
all docs

40
docs citations

40
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Polypyrrole nanotubes: mechanism of formation. RSC Advances, 2014, 4, 1551-1558.	1.7	134
3	Synthesis of silver-anchored polyaniline-chitosan magnetic nanocomposite: a smart system for catalysis. RSC Advances, 2017, 7, 18553-18560.	1.7	55
4	Polypyrrole-silver composites prepared by the reduction of silver ions with polypyrrole nanotubes. Polymer Chemistry, 2013, 4, 3610.	1.9	53
5	Nitrogen-rich hierarchically porous polyaniline-based adsorbents for carbon dioxide (CO ₂) capture. Chemical Engineering Journal, 2019, 360, 1199-1212.	6.6	46
6	Polypyrrole Nanotubes and Their Carbonized Analogs: Synthesis, Characterization, Gas Sensing Properties. Sensors, 2016, 16, 1917.	2.1	44
7	Optimization routes for high electrical conductivity of polypyrrole nanotubes prepared in presence of methyl orange. Synthetic Metals, 2017, 230, 89-96.	2.1	43
8	Electromagnetic interference shielding of polypyrrole nanostructures. Synthetic Metals, 2020, 269, 116573.	2.1	37
9	The ageing of polypyrrole nanotubes synthesized with methyl orange. European Polymer Journal, 2017, 96, 176-189.	2.6	26
10	Dye-stimulated control of conducting polypyrrole morphology. RSC Advances, 2017, 7, 51495-51505.	1.7	25
11	Deposition of organic metalocomplexes for sensor applications by MAPLE. Sensors and Actuators B: Chemical, 2007, 125, 189-194.	4.0	24
12	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.	0.8	21
13	Nanotubular polypyrrole: Reversibility of protonation/deprotonation cycles and long-term stability. European Polymer Journal, 2019, 115, 290-297.	2.6	21
14	Adsorption-desorption noise in QCM gas sensors. Sensors and Actuators B: Chemical, 2012, 166-167, 264-268.	4.0	19
15	Laser deposition of sulfonated phthalocyanines for gas sensors. Applied Surface Science, 2014, 302, 37-41.	3.1	19
16	Impedance properties of polypyrrolic sensors prepared by MAPLE technology. Sensors and Actuators B: Chemical, 2009, 137, 88-93.	4.0	16
17	Melamine Sponges Decorated with Polypyrrole Nanotubes as Macroporous Conducting Pressure Sensors. ACS Applied Nano Materials, 2021, 4, 7513-7519.	2.4	16
18	One-Dimensional Nanostructures of Polypyrrole for Shielding of Electromagnetic Interference in the Microwave Region. International Journal of Molecular Sciences, 2020, 21, 8814.	1.8	15

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19	Self-assembly of poly(L-lactide-co-glycolide) and magnetic nanoparticles into nanoclusters for controlled drug delivery. <i>European Polymer Journal</i> , 2020, 133, 109795.	2.6	15
20	Elaboration and properties of nanofibrillated cellulose composites with polypyrrole nanotubes or their carbonized analogs. <i>Synthetic Metals</i> , 2021, 278, 116806.	2.1	14
21	Multi-scale analysis of amorphous solid dispersions prepared by freeze drying of ibuprofen loaded acrylic polymer nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101182.	1.4	13
22	New approach for the development of reduced graphene oxide/polyaniline nanocomposites via sacrificial surfactant-stabilized reduced graphene oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124415.	2.3	13
23	Preparation of carbon-based monolithic CO ₂ adsorbents with hierarchical pore structure. <i>Chemical Engineering Journal</i> , 2020, 388, 124308.	6.6	13
24	Conducting polypyrrole-coated macroporous melamine sponges: a simple toy or an advanced material?. <i>Chemical Papers</i> , 2021, 75, 5035-5055.	1.0	12
25	Pressure-Sensitive Conducting and Antibacterial Materials Obtained by <i>in Situ</i> Dispersion Coating of Macroporous Melamine Sponges with Polypyrrole. <i>ACS Omega</i> , 2021, 6, 20895-20901.	1.6	12
26	Application of polyaniline for potentiometric recognition of salicylate and its analogues. <i>Electrochimica Acta</i> , 2014, 115, 553-558.	2.6	10
27	Doped polypyrrole for MAPLE deposition: Synthesis and characterization. <i>Synthetic Metals</i> , 2010, 160, 1081-1085.	2.1	7
28	Amino-substituted Tröger's base: electrochemical polymerization and characterization of the polymer film. <i>Electrochimica Acta</i> , 2017, 224, 439-445.	2.6	7
29	Influence of non-thermal plasma on structural and electrical properties of globular and nanostructured conductive polymer polypyrrole in water suspension. <i>Scientific Reports</i> , 2017, 7, 15068.	1.6	7
30	Synthesis of conductive macroporous composite polymeric materials using porogen-free method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 557, 137-145.	2.3	7
31	Memory Efficient Grasping Point Detection of Nontrivial Objects. <i>IEEE Access</i> , 2021, 9, 82130-82145.	2.6	7
32	Urease adsorption immobilization on ionic liquid-like macroporous polymeric support. <i>Journal of Materials Science</i> , 2019, 54, 14884-14896.	1.7	6
33	Carboxyethyl-functionalized 3D porous polypyrrole synthesized using a porogen-free method for covalent immobilization of urease. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110690.	2.2	6
34	Polypyrrole active layers of gas sensors prepared by MAPLE technology. <i>Journal of Physics: Conference Series</i> , 2007, 76, 012044.	0.3	4
35	An environmentally benign methodology to elaborating polymer nanocomposites with tunable properties using core-shell nanoparticles and cellulose nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 169-179.	2.3	4
36	AC Analysis of Organocomplex Sensing Layer with Pd Catalyst. <i>Sensor Letters</i> , 2010, 8, 507-511.	0.4	3

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37	Noise in quartz crystal microbalance. , 2011, , .		1
38	Thin organic layers prepared by MAPLE for gas sensor application. , 2006, , .		0
39	Modification of detection process on ZnO sensors by ultraviolet radiation. , 2009, , .		0
40	Suitable ASP U-Net training algorithms for grasping point detection of nontrivial objects. , 2022, , .		0