# DuÅ¡an KopeckÃ½

List of Publications by Year
in descending order



| 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 | Suitable ASP U-Net training algorithms for grasping point detection of nontrivial objects. , 2022, , . | | 0 |
| 2 | Carboxyethyl-functionalized 3D porous polypyrrole synthesized using a porogen-free method for covalent immobilization of urease. Microporous and Mesoporous Materials, 2021, 311, 110690. | 2.2 | 6 |
| 3 | Memory Efficient Grasping Point Detection of Nontrivial Objects. IEEE Access, 2021, 9, 82130-82145. | 2.6 | 7 |
| 4 | Melamine Sponges Decorated with Polypyrrole Nanotubes as Macroporous Conducting Pressure Sensors. ACS Applied Nano Materials, 2021, 4, 7513-7519. | 2.4 | 16 |
| 5 | Conducting polypyrrole-coated macroporous melamine sponges: a simple toy or an advanced material?. Chemical Papers, 2021, 75, 5035-5055. | 1.0 | 12 |
| 6 | Elaboration and properties of nanofibrillated cellulose composites with polypyrrole nanotubes or their carbonized analogs. Synthetic Metals, 2021, 278, 116806. | 2.1 | 14 |
| 7 | Pressure-Sensitive Conducting and Antibacterial Materials Obtained by <i>in Situ</i> Dispersion Coating of Macroporous Melamine Sponges with Polypyrrole. ACS Omega, 2021, 6, 20895-20901. | 1.6 | 12 |
| 8 | 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. | 2.3 | 13 |
| 9 | Electromagnetic interference shielding of polypyrrole nanostructures. Synthetic Metals, 2020, 269, 116573. | 2.1 | 37 |
| 10 | 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 |
| 11 | Preparation of carbon-based monolithic CO2 adsorbents with hierarchical pore structure. Chemical Engineering Journal, 2020, 388, 124308. | 6.6 | 13 |
| 12 | Self-assembly of poly(L-lactide-co-glycolide) and magnetic nanoparticles into nanoclusters for controlled drug delivery. European Polymer Journal, 2020, 133, 109795. | 2.6 | 15 |
| 13 | 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. | 1.4 | 13 |
| 14 | Urease adsorption immobilization on ionic liquid-like macroporous polymeric support. Journal of Materials Science, 2019, 54, 14884-14896. | 1.7 | 6 |
| 15 | Nanotubular polypyrrole: Reversibility of protonation/deprotonation cycles and long-term stability. European Polymer Journal, 2019, 115, 290-297. | 2.6 | 21 |
| 16 | Nitrogen-rich hierarchically porous polyaniline-based adsorbents for carbon dioxide (CO2) capture. Chemical Engineering Journal, 2019, 360, 1199-1212. | 6.6 | 46 |
| 17 | Synthesis of conductive macroporous composite polymeric materials using porogen-free method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 557, 137-145. | 2.3 | 7 |
| 18 | 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. | 2.3 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Optimization routes for high electrical conductivity of polypyrrole nanotubes prepared in presence of methyl orange. Synthetic Metals, 2017, 230, 89-96. | 2.1 | 43 |
| 20 | Synthesis of silver-anchored polyanilineâ€“chitosan magnetic nanocomposite: a smart system for catalysis. RSC Advances, 2017, 7, 18553-18560. | 1.7 | 55 |
| 21 | Amino-substituted TrÃ¶gerâ€™s base: electrochemical polymerization and characterization of the polymer film. Electrochimica Acta, 2017, 224, 439-445. | 2.6 | 7 |
| 22 | The ageing of polypyrrole nanotubes synthesized with methyl orange. European Polymer Journal, 2017, 96, 176-189. | 2.6 | 26 |
| 23 | 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. | 1.6 | 7 |
| 24 | Dye-stimulated control of conducting polypyrrole morphology. RSC Advances, 2017, 7, 51495-51505. | 1.7 | 25 |
| 25 | Polypyrrole Nanotubes and Their Carbonized Analogs: Synthesis, Characterization, Gas Sensing Properties. Sensors, 2016, 16, 1917. | 2.1 | 44 |
| 26 | 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 |
| 27 | Application of polyaniline for potentiometric recognition of salicylate and its analogues. Electrochimica Acta, 2014, 115, 553-558. | 2.6 | 10 |
| 28 | Polypyrrole nanotubes: mechanism of formation. RSC Advances, 2014, 4, 1551-1558. | 1.7 | 134 |
| 29 | Laser deposition of sulfonated phthalocyanines for gas sensors. Applied Surface Science, 2014, 302, 37-41. | 3.1 | 19 |
| 30 | Polypyrroleâ€“silver composites prepared by the reduction of silver ions with polypyrrole nanotubes. Polymer Chemistry, 2013, 4, 3610. | 1.9 | 53 |
| 31 | Adsorptionâ€“desorption noise in QCM gas sensors. Sensors and Actuators B: Chemical, 2012, 166-167, 264-268. | 4.0 | 19 |
| 32 | Noise in quartz crystal microbalance. , 2011, , . | | 1 |
| 33 | Doped polypyrrole for MAPLE deposition: Synthesis and characterization. Synthetic Metals, 2010, 160, 1081-1085. | 2.1 | 7 |
| 34 | AC Analysis of Organocomplex Sensing Layer with Pd Catalyst. Sensor Letters, 2010, 8, 507-511. | 0.4 | 3 |
| 35 | 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 |
| 36 | Impedance properties of polypyrrolic sensors prepared by MAPLE technology. Sensors and Actuators B: Chemical, 2009, 137, 88-93. | 4.0 | 16 |

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|---|---|---|---|
| 37 | Modification of detection process on ZnO sensors by ultraviolet radiation. , 2009, , . | | 0 |
| 38 | Polypyrrole active layers of gas sensors prepared by MAPLE technology. Journal of Physics: Conference Series, 2007, 76, 012044. | 0.3 | 4 |
| 39 | Deposition of organic metalocomplexes for sensor applications by MAPLE. Sensors and Actuators B: Chemical, 2007, 125, 189-194. | 4.0 | 24 |
| 40 | Thin organic layers prepared by MAPLE for gas sensor application. , 2006, , . | | 0 |