Ivana Sedenkov

List of Publications by Citations

Source: https://exaly.com/author-pdf/9598114/ivana-sedenkova-publications-by-citations.pdf
Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36 papers	1,932 citations	19 h-index	36 g-index
36 ext. papers	2,096 ext. citations	3.8 avg, IF	4.54 L-index

#	Paper	IF	Citations
36	Evolution of polyaniline nanotubes: the oxidation of aniline in water. *Journal of Physical Chemistry B* , **2006**, 110, 9461-8	3.4	391
35	FTIR spectroscopic and conductivity study of the thermal degradation of polyaniline films. *Polymer Degradation and Stability*, **2004**, 86, 179-185	4.7	294
34	Polyaniline nanotubes: conditions of formation. *Polymer International*, **2006**, 55, 31-39	3.3	253
33	Thermal degradation of polyaniline films prepared in solutions of strong and weak acids and in water FTIR and Raman spectroscopic studies. *Polymer Degradation and Stability*, **2008**, 93, 2147-2157	4.7	186
32	Spectroscopy of thin polyaniline films deposited during chemical oxidation of aniline. *Chemical Papers*, **2012**, 66,	1.9	111
31	In-situ polymerized polyaniline films. Preparation in solutions of hydrochloric, sulfuric, or phosphoric acid. *Thin Solid Films*, **2006**, 515, 1640-1646	2.2	93
30	Mixed electron and proton conductivity of polyaniline films in aqueous solutions of acids: beyond the 1000 S cm1 limit. *Polymer International*, **2009**, 58, 872-879	3.3	63
29	Conformational transition in polyaniline films Spectroscopic and conductivity studies of ageing. *Polymer Degradation and Stability*, **2008**, 93, 428-435	4.7	57
28	Catalytic activity of polypyrrole nanotubes decorated with noble-metal nanoparticles and their conversion to carbonized analogues. *Synthetic Metals*, **2016**, 214, 14-22	3.6	53
27	Structure and stability of thin polyaniline films deposited in situ on silicon and gold during precipitation and dispersion polymerization of aniline hydrochloride. *Thin Solid Films*, **2011**, 519, 5933-5941	2.2	50
26	New perspectives of 19F MAS NMR in the characterization of amorphous forms of atorvastatin in dosage formulations. *International Journal of Pharmaceutics*, **2011**, 409, 62-74	6.5	49
25	The deposition of globular polypyrrole and polypyrrole nanotubes on cotton textile. *Applied Surface Science*, **2015**, 356, 737-741	6.7	39
24	Solid-state reduction of silver nitrate with polyaniline base leading to conducting materials. *ACS Applied Materials & Interfaces*, **2009**, 1, 1906-12	9.5	36
23	Alternating ring-opening copolymerization of cyclohexene oxide with phthalic anhydride catalyzed by iron(III) salen complexes. *Macromolecular Research*, **2015**, 23, 161-166	1.9	34
22	The composites of silver with globular or nanotubular polypyrrole: The control of silver content. *Synthetic Metals*, **2015**, 209, 105-111	3.6	26
21	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. *Materials Chemistry and Physics*, **2018**, 213, 352-361	4.4	24
20	Solid-state oxidation of aniline hydrochloride with various oxidants. *Synthetic Metals*, **2011**, 161, 1353-1360	3.6	24

19	Characterization of solid polymer dispersions of active pharmaceutical ingredients by 19F MAS NMR and factor analysis. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 100, 59-66	4.4	23
18	Study of carbon black obtained by pyrolysis of waste scrap tyres. *Journal of Thermal Analysis and Calorimetry*, **2013**, 111, 1475-1481	4.1	22
17	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
16	Characterizing crystal disorder of trospium chloride: a comprehensive,(13) C CP/MAS NMR, DSC, FTIR, and XRPD study. *Journal of Pharmaceutical Sciences*, **2013**, 102, 1235-48	3.9	14
15	Conducting polymer and ionic liquid: Improved thermal stability of the material A spectroscopic study. *Polymer Degradation and Stability*, **2014**, 109, 27-32	4.7	12
14	Interaction of polyaniline film with dibutyl phosphonate versus phosphite: Enhanced thermal stability. *Polymer Degradation and Stability*, **2016**, 134, 357-365	4.7	10
13	Poly(p-phenylenediamine)/maghemite composite as highly effective adsorbent for anionic dye removal. *Reactive and Functional Polymers*, **2020**, 146, 104436	4.6	8
12	Methyl red dye in the tuning of polypyrrole conductivity. *Polymer*, **2020**, 207, 122854	3.9	8
11	In Situ Infrared Spectroscopy of Oligoaniline Intermediates Created under Alkaline Conditions. *Journal of Physical Chemistry B*, **2014**, 118, 14972-81	3.4	6
10	Method of Preparation of Soluble PEDOT: Self-Polymerization of EDOT without Oxidant at Room Temperature. *Macromolecular Chemistry and Physics*, **2020**, 221, 2000219	2.6	6
9	Electrochemical deposition of highly hydrophobic perfluorinated polyaniline film for biosensor applications.. *RSC Advances*, **2021**, 11, 18852-18859	3.7	6
8	Tubes for detection of cholinesterase inhibitors-Unique effects of Neusilin on the stability of butyrylcholinesterase-impregnated carriers. *Enzyme and Microbial Technology*, **2019**, 128, 26-33	3.8	5
7	The First Stages of Chemical and Electrochemical Aniline Oxidation Spectroscopic Comparative Study. *Applied Sciences (Switzerland)*, **2020**, 10, 2091	2.6	5
6	Hydrogen Bonding as a Tool to Control Chain Structure of PEDOT: Electrochemical Synthesis in the Presence of Different Electrolytes. *Macromolecules*, **2020**, 53, 2464-2473	5.5	4
5	Chemical degradation of polyaniline by reaction with Fenton reagent a spectroelectrochemical study. *Chemical Papers*, **2013**, 67,	1.9	3
4	Polypyrrole nanoparticles: control of the size and morphology. *Journal of Polymer Research*, **2020**, 27, 1	2.7	1
3	Role of dextran in stabilization of polypyrrole nanoparticles for photoacoustic imaging. *European Polymer Journal*, **2021**, 157, 110634	5.2	1
2	Comparison of carboxybetaine with sulfobetaine polyaspartamides: Nonfouling properties, hydrophilicity, cytotoxicity and model nanogelation in an inverse miniemulsion. *Journal of Applied Polymer Science*, **2022**, 139, 52099	2.9	0

1 Plasmonic Screening Effect of Gold Nanoparticles Array on Light Absorption in Poly(3-hexyl)Thiophene Thin Film. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 1164-1168 1.3