Ivana Sedenkov

List of Publications by Year in Descending Order

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	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
35	Electrochemical deposition of highly hydrophobic perfluorinated polyaniline film for biosensor applications.. *RSC Advances*, **2021**, 11, 18852-18859	3.7	6
34	Role of dextran in stabilization of polypyrrole nanoparticles for photoacoustic imaging. *European Polymer Journal*, **2021**, 157, 110634	5.2	1
33	The First Stages of Chemical and Electrochemical Aniline Oxidation Spectroscopic Comparative Study. *Applied Sciences (Switzerland)*, **2020**, 10, 2091	2.6	5
32	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
31	Poly(p-phenylenediamine)/maghemite composite as highly effective adsorbent for anionic dye removal. *Reactive and Functional Polymers*, **2020**, 146, 104436	4.6	8
30	Polypyrrole nanoparticles: control of the size and morphology. *Journal of Polymer Research*, **2020**, 27, 1	2.7	1
29	Methyl red dye in the tuning of polypyrrole conductivity. *Polymer*, **2020**, 207, 122854	3.9	8
28	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
27	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
26	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. *Materials Chemistry and Physics*, **2018**, 213, 352-361	4.4	24
25	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	
24	Interaction of polyaniline film with dibutyl phosphonate versus phosphite: Enhanced thermal stability. *Polymer Degradation and Stability*, **2016**, 134, 357-365	4.7	10
23	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
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	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
20	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

19	The deposition of globular polypyrrole and polypyrrole nanotubes on cotton textile. *Applied Surface Science*, **2015**, 356, 737-741	6.7	39
18	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
17	In Situ Infrared Spectroscopy of Oligoaniline Intermediates Created under Alkaline Conditions. *Journal of Physical Chemistry B*, **2014**, 118, 14972-81	3.4	6
16	Chemical degradation of polyaniline by reaction with Fenton reagent a spectroelectrochemical study. *Chemical Papers*, **2013**, 67,	1.9	3
15	Study of carbon black obtained by pyrolysis of waste scrap tyres. *Journal of Thermal Analysis and Calorimetry*, **2013**, 111, 1475-1481	4.1	22
14	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
13	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
12	Spectroscopy of thin polyaniline films deposited during chemical oxidation of aniline. *Chemical Papers*, **2012**, 66,	1.9	111
11	Solid-state oxidation of aniline hydrochloride with various oxidants. *Synthetic Metals*, **2011**, 161, 1353-1360	2.2	24
10	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
9	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
8	Mixed electron and proton conductivity of polyaniline films in aqueous solutions of acids: beyond the 1000 S cm limit. *Polymer International*, **2009**, 58, 872-879	3.3	63
7	Solid-state reduction of silver nitrate with polyaniline base leading to conducting materials. *ACS Applied Materials & Interfaces*, **2009**, 1, 1906-12	9.5	36
6	Conformational transition in polyaniline films Spectroscopic and conductivity studies of ageing. *Polymer Degradation and Stability*, **2008**, 93, 428-435	4.7	57
5	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
4	Evolution of polyaniline nanotubes: the oxidation of aniline in water. *Journal of Physical Chemistry B* , **2006**, 110, 9461-8	3.4	391
3	Polyaniline nanotubes: conditions of formation. *Polymer International*, **2006**, 55, 31-39	3.3	253
2	In-situ polymerized polyaniline films. Preparation in solutions of hydrochloric, sulfuric, or phosphoric acid. *Thin Solid Films*, **2006**, 515, 1640-1646	2.2	93

1	FTIR spectroscopic and conductivity study of the thermal degradation of polyaniline films. *Polymer Degradation and Stability*, **2004**, 86, 179-185	4.7	294