

# Elena Tomsik

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53  
papers

2,529  
citations

22  
h-index

50  
g-index

56  
ext. papers

2,676  
ext. citations

4.9  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
53	Evolution of polyaniline nanotubes: the oxidation of aniline in water. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 9461-8	3.4	391
52	Oxidation of Aniline: Polyaniline Granules, Nanotubes, and Oligoaniline Microspheres. <i>Macromolecules</i> , <b>2008</b> , 41, 3530-3536	5.5	324
51	The genesis of polyaniline nanotubes. <i>Polymer</i> , <b>2006</b> , 47, 8253-8262	3.9	276
50	Multi-wall carbon nanotubes coated with polyaniline. <i>Polymer</i> , <b>2006</b> , 47, 5715-5723	3.9	267
49	Polyaniline nanotubes: conditions of formation. <i>Polymer International</i> , <b>2006</b> , 55, 31-39	3.3	253
48	The conversion of polyaniline nanotubes to nitrogen-containing carbon nanotubes and their comparison with multi-walled carbon nanotubes. <i>Polymer Degradation and Stability</i> , <b>2009</b> , 94, 929-938	4.7	151
47	Chemical oxidative polymerization of anilinium sulfate versus aniline: Theory and experiment. <i>Synthetic Metals</i> , <b>2008</b> , 158, 200-211	3.6	75
46	Chemical oxidative polymerization of aminodiphenylamines. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 6976-87	3.4	62
45	Modification of carbon nanotubes and its effect on properties of carbon nanotube/epoxy nanocomposites. <i>Polymer Composites</i> , <b>2009</b> , 30, 1378-1387	3	61
44	NMR investigation of aniline oligomers produced in the early stages of oxidative polymerization of aniline. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6666-73	3.4	46
43	Thin polyaniline and polyaniline/carbon nanocomposite films for gas sensing. <i>Thin Solid Films</i> , <b>2011</b> , 519, 4123-4127	2.2	45
42	Ferromagnetic behaviour of polyaniline-coated multi-wall carbon nanotubes containing nickel nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2008</b> , 320, 231-240	2.8	42
41	Self-assembly of aniline oligomers. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 129-37	4.5	39
40	The role of acidity profile in the nanotubular growth of polyaniline. <i>Chemical Papers</i> , <b>2010</b> , 64,	1.9	39
39	Enhanced thermal stability of multi-walled carbon nanotubes after coating with polyaniline salt. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1405-1414	4.7	36
38	Polypyrrole and polyaniline prepared with cerium(IV) sulfate oxidant. <i>Synthetic Metals</i> , <b>2010</b> , 160, 701-707	3.7	32
37	Polymerization of aniline in ice. <i>Synthetic Metals</i> , <b>2008</b> , 158, 927-933	3.6	32

36	Activity and stability of polyaniline-sulfate-based solid acid catalysts for the transesterification of triglycerides and esterification of fatty acids with methanol. <i>Applied Catalysis A: General</i> , <b>2010</b> , 383, 169-181	5.1	31
35	The reaction of polyaniline with iodine. <i>Polymer</i> , <b>2008</b> , 49, 180-185	3.9	30
34	Polyaniline prepared in ethylene glycol or glycerol. <i>Polymer</i> , <b>2011</b> , 52, 1900-1907	3.9	27
33	Conducting polyaniline/multi-wall carbon nanotubes composite paints on low carbon steel for corrosion protection: electrochemical investigations. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	25
32	Solid-state oxidation of aniline hydrochloride with various oxidants. <i>Synthetic Metals</i> , <b>2011</b> , 161, 1353-1360	3.6	24
31	Transformation of Oligoaniline Microspheres to Platelike Nitrogen-Containing Carbon. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 2289-2299	3.8	20
30	Hydrogen-bonding versus $\pi$ -stacking in the design of organic semiconductors: From dyes to oligomers. <i>Progress in Polymer Science</i> , <b>2015</b> , 43, 33-47	29.6	19
29	Assembly and Interaction of Polyaniline Chains: Impact on Electro- and Physical-Chemical Behavior. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 8022-8030	3.8	18
28	In situ polymerized polyaniline films: The top and the bottom. <i>Synthetic Metals</i> , <b>2012</b> , 162, 2401-2405	3.6	13
27	Pd-catalysts for DFAFC prepared by magnetron sputtering. <i>Applied Surface Science</i> , <b>2017</b> , 419, 838-846	6.7	12
26	J-Like Supramolecular Assemblies of Polyaniline in Water. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 2739-2743	2.6	12
25	Tuning the photoluminescence and anisotropic structure of PEDOT. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 7013-7019	7.1	11
24	Influence of ethanol on the chain-ordering of carbonised polyaniline. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	11
23	Multi-wall carbon nanotubes with nitrogen-containing carbon coating. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	11
22	High-Rate Polyaniline/Carbon-Cloth Electrodes: Effect of Mass Loading on the Pseudocapacitive Performance. <i>ChemElectroChem</i> , <b>2017</b> , 4, 2884-2890	4.3	9
21	Bio-esters formation in transesterification and esterification reactions on carbon and silica supported organo-sulfonic acids-polyaniline solid catalysts. <i>Fuel</i> , <b>2014</b> , 135, 130-145	7.1	8
20	J-like liquid-crystalline and crystalline states of polyaniline revealed by thin, highly crystalline, and strongly oriented films. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 8901-4	3.4	8
19	Water in Ionic Liquids: Correlation between Anion Hydrophilicity and Near-Infrared Fingerprints. <i>ChemPhysChem</i> , <b>2016</b> , 17, 1586-90	3.2	7

18	Thin mesoporous polyaniline films manifesting a water-promoted photovoltaic effect. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	6
17	Method of Preparation of Soluble PEDOT: Self-Polymerization of EDOT without Oxidant at Room Temperature. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 2000219	2.6	6
16	Electrochemical deposition of highly hydrophobic perfluorinated polyaniline film for biosensor applications.. <i>RSC Advances</i> , <b>2021</b> , 11, 18852-18859	3.7	6
15	Transesterification of triacetin and castor oil with methanol catalyzed by supported polyaniline-sulfate. A role of polymer morphology. <i>Applied Catalysis A: General</i> , <b>2013</b> , 455, 92-106	5.1	5
14	NMR investigation of aniline oligomers produced in the oxidation of aniline in alkaline medium. <i>Polymer International</i> , <b>2011</b> , 60, n/a-n/a	3.3	5
13	Effect of Hydrogen Bonding on a Value of an Open Circuit Potential of Poly-(3,4-ethylenedioxythiophene) as a Beneficial Mode for Energy Storage Devices. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103001	15.6	5
12	Hydrogen Bonding as a Tool to Control Chain Structure of PEDOT: Electrochemical Synthesis in the Presence of Different Electrolytes. <i>Macromolecules</i> , <b>2020</b> , 53, 2464-2473	5.5	4
11	How strong are strong poly(sulfonic acids)? An example of the poly(2-acrylamido-2-methyl-1-propanesulfonic acid). <i>European Polymer Journal</i> , <b>2016</b> , 74, 130-135	5.2	4
10	Suspension polymerization of aniline hydrochloride in non-aqueous media. <i>Polymer International</i> , <b>2011</b> , 60, 794-797	3.3	4
9	Single-step preparation of mono-dispersed sulfur nanoparticles for detention of copper. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	4
8	Application of Energy-Saturated Complex Perchlorates. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	3
7	Phase Transitions of Polyaniline Induced by Electrochemical Treatment. <i>Macromolecular Chemistry and Physics</i> , <b>2018</b> , 219, 1700627	2.6	2
6	Cross-linked polyelectrolyte microspheres: preparation and new insights into electro-surface properties. <i>Soft Matter</i> , <b>2021</b> , 17, 2290-2301	3.6	2
5	Thermal and chemical activation methods applied to DFAFC anodes prepared by magnetron sputtering. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 14133-14144	6.7	1
4	Non-conducting polyaniline nanofibrils and their physico-chemical behavior. <i>Vacuum</i> , <b>2020</b> , 171, 108955	3.7	1
3	Transport properties of durable PANI/PPO composite membrane with interpenetrating layer. <i>Polymer Testing</i> , <b>2021</b> , 94, 107037	4.5	1
2	Synergy between the Assembly of Individual PEDOT Chains and Their Interaction with Light. <i>Macromolecules</i> , <b>2021</b> , 54, 10321-10330	5.5	0
1	Electrochemically active water repelling perfluorinated polyaniline films. <i>Chemical Physics</i> , <b>2020</b> , 528, 110540	2.3	

