

# Natalia Gospodinova

## List of Publications by Year in descending order

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46  
papers

1,910  
citations

394421

19  
h-index

243625

44  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conducting polymers prepared by oxidative polymerization: polyaniline. <i>Progress in Polymer Science</i> , 1998, 23, 1443-1484.	24.7	868
2	A new route to polyaniline composites. <i>Polymer</i> , 1997, 38, 743-746.	3.8	92
3	Polyaniline dispersions: preparation of spherical particles and their light-scattering characterization. <i>Polymer</i> , 1992, 33, 4857-4858.	3.8	80
4	Stable aqueous dispersions of polyaniline. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 923.	2.0	79
5	On the mechanism of oxidative polymerization of aniline. <i>Polymer</i> , 1993, 34, 2434-2437.	3.8	75
6	Chemical oxidative polymerization of aniline in aqueous medium without added acids. <i>Polymer</i> , 1993, 34, 2438-2439.	3.8	67
7	Efficient solvent-free microwave phosphorylation of microcrystalline cellulose. <i>Green Chemistry</i> , 2002, 4, 220-222.	9.0	52
8	Preparation and characterization of aqueous polyaniline dispersions. <i>European Polymer Journal</i> , 1993, 29, 1305-1309.	5.4	47
9	Influence of hydrolysis on the chemical polymerization of aniline. <i>Polymer</i> , 1994, 35, 3102-3106.	3.8	45
10	Unprecedented Route to Ordered Polyaniline: Direct Synthesis of Highly Crystalline Fibrillar Films with Strong $\pi$ - $\pi$ Stacking Alignment. <i>Macromolecular Rapid Communications</i> , 2009, 30, 29-33.	3.9	42
11	Polyaniline dispersions. 3. Influence of the polymerization conditions. <i>Polymer International</i> , 1993, 32, 401-405.	3.1	36
12	Polyaniline-water interactions: A theoretical investigation with the polarisable continuum model. <i>Synthetic Metals</i> , 2010, 160, 1050-1054.	3.9	29
13	Ultrafine nano-colloid of polyaniline. <i>Polymer</i> , 2005, 46, 1309-1315.	3.8	27
14	Hydrogen-bonding versus $\pi$ - $\pi$ stacking in the design of organic semiconductors: From dyes to oligomers. <i>Progress in Polymer Science</i> , 2015, 43, 33-47.	24.7	26
15	Alternative concept of the transition emeraldine base-emeraldine salt. <i>Polymer</i> , 1993, 34, 1330-1332.	3.8	25
16	Theoretical study on the emeraldine salt - impact of the computational protocol. <i>Computational and Theoretical Chemistry</i> , 2010, 954, 36-44.	1.5	25
17	Evidence for Generation of Delocalized Polarons in Conducting Polyaniline: A Raman Scattering Spectroscopy Approach. <i>International Journal of Polymer Analysis and Characterization</i> , 2007, 12, 251-271.	1.9	23
18	Electrodeposition of composite films of reduced graphene oxide/polyaniline in neutral aqueous solution on inert and oxidizable metal. <i>Journal of Electroanalytical Chemistry</i> , 2017, 786, 135-144.	3.8	21

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19	Oxidative polymerization of aniline: a new area in cationic polymerization. <i>Polymer</i> , 1995, 36, 3585-3587.	3.8	20
20	Effect of solvation and intermolecular interactions on the structure and optical properties of PANI oligomers. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 1383-1395.	2.0	19
21	Theoretical study of the structure and electronic spectra of fully protonated emeraldine oligomers. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 1688-1706.	2.0	19
22	New insight into the redox behavior of polyaniline. <i>Synthetic Metals</i> , 2011, 161, 2510-2513.	3.9	19
23	Relationship between microstructure and phase and relaxation transitions in ethylene-(vinyl acetate) copolymers prepared by emulsion copolymerization. <i>Polymer</i> , 1998, 39, 2583-2588.	3.8	18
24	Solvent polarity and dopant effect on the electronic structure of the emeraldine salt. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 435-443.	2.0	17
25	A new approach to the study of oxidative polymerization of aniline and transformations of polyaniline. Support by means of the Hueckel method. <i>Polymer</i> , 1996, 37, 4431-4433.	3.8	13
26	Theoretical Study of the Influence of Monomer Excess on the Structure and Properties of Polyaniline Oligomers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2555-2564.	2.6	13
27	Monoparticulate films of polyaniline. <i>Thin Solid Films</i> , 2009, 517, 5459-5463.	1.8	13
28	J- $\mu$ -Like Supramolecular Assemblies of Polyaniline in Water. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2739-2743.	2.2	13
29	Remarkable Ability To Modulate Light Transmittance and Block Heat in the Bleached State Combined in One Electrochromic Material: Highly Crystalline Polyaniline. <i>Macromolecules</i> , 2018, 51, 2227-2231.	4.8	10
30	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> , 2014, 118, 8901-8904.	2.6	9
31	Microstructure of ethylene-(vinyl acetate) copolymers prepared by emulsion copolymerization. <i>European Polymer Journal</i> , 1992, 28, 961-967.	5.4	7
32	Transport Phenomena and Electrode Reactions Generated by an Electric Field in Colloidal Silica. <i>Journal of Colloid and Interface Science</i> , 2000, 229, 423-430.	9.4	7
33	Thin mesoporous polyaniline films manifesting a water-promoted photovoltaic effect. <i>Chemical Papers</i> , 2013, 67, .	2.2	7
34	Water in Ionic Liquids: Correlation between Anion Hydrophilicity and Near-Infrared Fingerprints. <i>ChemPhysChem</i> , 2016, 17, 1586-1590.	2.1	7
35	Quasi-Elastic Light Scattering Study of the Synthesis of Tailor-Made Suspensions of Uniform Polyaniline-Based Nanoparticles. <i>International Journal of Polymer Analysis and Characterization</i> , 1998, 4, 323-332.	1.9	6
36	Effect of Ionic and Nonionic Solutes on the Transient and Steady States in the Settling of Charged Colloidal Particles. <i>Journal of Colloid and Interface Science</i> , 2000, 229, 462-476.	9.4	5

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37	A Novel Way to Improve Sulfate Recognition. <i>Electroanalysis</i> , 2009, 21, 2010-2013.	2.9	5
38	How strong are strong poly(sulfonic acids)? An example of the poly(2-acrylamido-2-methyl-1-propanesulfonic acid). <i>European Polymer Journal</i> , 2016, 74, 130-135.	5.4	5
39	Isoperichoric Focusing Phenomena Generated by Coupled Electric and Gravitational Field Forces in Bidisperse Mixtures of Colloidal Particles. <i>Collection of Czechoslovak Chemical Communications</i> , 1998, 63, 155-163.	1.0	5
40	Influence of polyaniline on the potentiometric determination of risedronate with ion-selective membranes. <i>Analytical Methods</i> , 2010, 2, 1614.	2.7	4
41	Emergence of isoperichoric focusing in multicomponent colloidal particle dispersion at sedimentation equilibrium. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 2961-2964.	1.7	3
42	ISOPYCNIC FOCUSING REVISITED. <i>Separation and Purification Reviews</i> , 2000, 29, 247-283.	0.8	3
43	Characterization of Polyaniline and Poly( <i>m</i> -toluidine)-based Nanoparticles of Ultranarrow Particle Size Distribution. <i>International Journal of Polymer Analysis and Characterization</i> , 2001, 6, 213-228.	1.9	2
44	Influence of the Level of Protonation on the Geometry and the Electronic Structure of Emeraldine Oligomers. <i>Progress in Theoretical Chemistry and Physics</i> , 2009, , 219-251.	0.2	1
45	Origin of Color of Poly(N-vinyl Pyrrolidone) Concentrated Aqueous Solutions. <i>International Journal of Polymer Analysis and Characterization</i> , 2011, 16, 442-448.	1.9	1
46	Freezing of Water in Concentrated Poly( <i>N</i> -vinyl Pyrrolidone) Solutions. <i>International Journal of Polymer Analysis and Characterization</i> , 2012, 17, 104-107.	1.9	0