

# Olya Stoilova

## List of Publications by Citations

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30  
papers

763  
citations

19  
h-index

27  
g-index

31  
ext. papers

852  
ext. citations

4.5  
avg, IF

3.56  
L-index

#	Paper	IF	Citations
30	Biocomposite scaffolds based on electrospun poly(3-hydroxybutyrate) nanofibers and electrospayed hydroxyapatite nanoparticles for bone tissue engineering applications. <i>Materials Science and Engineering C</i> , <b>2014</b> , 38, 161-9	8.3	95
29	Preparation of PLLA/PEG Nanofibers by Electrospinning and Potential Applications. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2007</b> , 22, 62-76	2	79
28	From design of bio-based biocomposite electrospun scaffolds to osteogenic differentiation of human mesenchymal stromal cells. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2014</b> , 25, 1563-75	4.5	41
27	Fiber-optic glucose biosensor based on glucose oxidase immobilised in a silica gel matrix. <i>Journal of Sol-Gel Science and Technology</i> , <b>2009</b> , 50, 437-448	2.3	41
26	Polyelectrolyte complex between chitosan and poly(2-acryloylamido-2-methylpropanesulfonic acid). <i>Polymer Bulletin</i> , <b>1999</b> , 43, 67-73	2.4	41
25	Multifunctional hybrid materials from poly(3-hydroxybutyrate), TiO <sub>2</sub> nanoparticles, and chitosan oligomers by combining electrospinning/electrospraying and impregnation. <i>Macromolecular Bioscience</i> , <b>2013</b> , 13, 707-16	5.5	39
24	Synthesis of polymer-stabilized magnetic nanoparticles and fabrication of nanocomposite fibers thereof using electrospinning. <i>European Polymer Journal</i> , <b>2008</b> , 44, 615-627	5.2	39
23	FT-IR microscopy characterization of sol-gel layers prior and after glucose oxidase immobilization for biosensing applications. <i>Journal of Sol-Gel Science and Technology</i> , <b>2011</b> , 57, 204-211	2.3	35
22	Poly(acrylonitrile)chitosan composite membranes for urease immobilization. <i>Journal of Biotechnology</i> , <b>2007</b> , 129, 674-80	3.7	34
21	New Nanostructured Materials Based on Fullerene and Biodegradable Polyesters. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 4917-4923	9.6	34
20	Functionalized electrospun mats from styrene-maleic anhydride copolymers for immobilization of acetylcholinesterase. <i>European Polymer Journal</i> , <b>2010</b> , 46, 1966-1974	5.2	32
19	C60-containing nanostructured polymeric materials with potential biomedical applications. <i>Polymer</i> , <b>2007</b> , 48, 1835-1843	3.9	32
18	Electrospun microfibrillar poly(styrene-alt-maleic anhydride)/poly(styrene-co-maleic anhydride) mats tailored for enzymatic remediation of waters polluted by endocrine disruptors. <i>European Polymer Journal</i> , <b>2009</b> , 45, 2494-2504	5.2	31
17	Preparation of Well-Defined PVOH/C60 Nanohybrids by Cobalt-Mediated Radical Polymerization of Vinyl Acetate. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 498-504	4.8	31
16	Electrospun mats from styrene/maleic anhydride copolymers: modification with amines and assessment of antimicrobial activity. <i>Macromolecular Bioscience</i> , <b>2010</b> , 10, 944-54	5.5	27
15	Polymer fibers with magnetic core decorated with titanium dioxide prospective for photocatalytic water treatment. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 2075-2084	6.8	23
14	Poly(3-hydroxybutyrate)-based hybrid materials with photocatalytic and magnetic properties prepared by electrospinning and electrospraying. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 2144-2153	4.3	22

13	Immobilization of acetylcholinesterase on new modified acrylonitrile copolymer membranes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2008</b> , 55, 169-176		20
12	Electrospun Polyacrylonitrile Nanofibrous Membranes Tailored for Acetylcholinesterase Immobilization. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2010</b> , 25, 40-57	2	19
11	Hydrolysis of Chitosan, Chitosan-Polyoxyethylene and Chitosan-Poly(2-acryloylamido-2-methylpropanesulfonic acid) by a Crude Enzyme Complex from <i>Trichoderma viride</i> . <i>Journal of Bioactive and Compatible Polymers</i> , <b>2001</b> , 16, 379-392	2	10
10	Modulating the Mechanical Properties of Electrospun PHB/PCL Materials by Using Different Types of Collectors and Heat Sealing. <i>Polymers</i> , <b>2020</b> , 12,	4.5	8
9	Chitosan Beads as Carriers of 8-Hydroxy-7-Iodoquinoline-5- Sulfonic Acid-Loading, Coating by Interpolymer Complex Formation and Drug Release. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2001</b> , 16, 3-19	2	7
8	Copolymers of 2-acryloylamido-2-methylpropanesulfonic acid and acrylic acid with anticoagulant activity. <i>E-Polymers</i> , <b>2003</b> , 3,	2.7	6
7	Electrospun Eco-Friendly Materials Based on Poly(3-hydroxybutyrate) (PHB) and TiO with Antifungal Activity Prospective for Esca Treatment. <i>Polymers</i> , <b>2020</b> , 12,	4.5	5
6	Electrospun PLLA/PEG scaffolds. <i>Materials Today</i> , <b>2019</b> , 28, 114-115	21.8	3
5	Magnetic hydrogel beads based on chitosan. <i>E-Polymers</i> , <b>2004</b> , 4,	2.7	3
4	Electrospun CuS/ZnS/BAN Hybrids as Efficient Visible-Light Photocatalysts. <i>Catalysis Letters</i> , <b>2018</b> , 148, 2756-2764	2.8	2
3	Effect of coating on the mechanical properties of electrospun poly(3-hydroxybutyrate) materials with targeted fibers alignment. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	2
2	Degradation of chitosan in the presence of poly(vinyl alcohol) and poly(acrylic acid) by a crude enzyme complex from <i>Trichoderma viride</i> . <i>E-Polymers</i> , <b>2003</b> , 3,	2.7	1
1	Enhanced luminescence in electrospun polymer hybrids containing Mn-doped ZnSe/ZnS nanocrystals. <i>Optical Materials</i> , <b>2021</b> , 113, 110858	3.3	0