

Olya Stoilova

List of Publications by Year in descending order

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31
papers

930
citations

394390

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1418
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#	ARTICLE	IF	CITATIONS
1	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> , 2014, 38, 161-169.	7.3	116
2	Preparation of PLLA/PEG Nanofibers by Electrospinning and Potential Applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2007, 22, 62-76.	2.1	91
3	Fiber-optic glucose biosensor based on glucose oxidase immobilised in a silica gel matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 50, 437-448.	2.4	49
4	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> , 2011, 57, 204-211.	2.4	49
5	Multifunctional Hybrid Materials From Poly(3-Hydroxybutyrate), TiO ₂ Nanoparticles, and Chitosan Oligomers by Combining Electrospinning/Electrospraying and Impregnation. <i>Macromolecular Bioscience</i> , 2013, 13, 707-716.	4.1	47
6	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> , 2014, 25, 1563-1575.	3.6	47
7	Polyelectrolyte complex between chitosan and poly(2-acryloylamido-2-methylpropanesulfonic acid). <i>Polymer Bulletin</i> , 1999, 43, 67-73.	3.3	44
8	Synthesis of polymer-stabilized magnetic nanoparticles and fabrication of nanocomposite fibers thereof using electrospinning. <i>European Polymer Journal</i> , 2008, 44, 615-627.	5.4	43
9	Poly(acrylonitrile)chitosan composite membranes for urease immobilization. <i>Journal of Biotechnology</i> , 2007, 129, 674-680.	3.8	39
10	Functionalized electrospun mats from styrene-maleic anhydride copolymers for immobilization of acetylcholinesterase. <i>European Polymer Journal</i> , 2010, 46, 1966-1974.	5.4	39
11	New Nanostructured Materials Based on Fullerene and Biodegradable Polyesters. <i>Chemistry of Materials</i> , 2006, 18, 4917-4923.	6.7	37
12	Preparation of Well-Defined PVOH/C60 Nanohybrids by Cobalt-Mediated Radical Polymerization of Vinyl Acetate. <i>Macromolecular Rapid Communications</i> , 2006, 27, 498-504.	3.9	34
13	C60-containing nanostructured polymeric materials with potential biomedical applications. <i>Polymer</i> , 2007, 48, 1835-1843.	3.8	34
14	Polymer fibers with magnetic core decorated with titanium dioxide prospective for photocatalytic water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2075-2084.	6.7	33
15	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> , 2009, 45, 2494-2504.	5.4	32
16	Electrospun Mats from Styrene/Maleic Anhydride Copolymers: Modification with Amines and Assessment of Antimicrobial Activity. <i>Macromolecular Bioscience</i> , 2010, 10, 944-954.	4.1	32
17	Poly(3-hydroxybutyrate)-based hybrid materials with photocatalytic and magnetic properties prepared by electrospinning and electrospaying. <i>Journal of Materials Science</i> , 2014, 49, 2144-2153.	3.7	28
18	Electrospun Polyacrylonitrile Nanofibrous Membranes Tailored for Acetylcholinesterase Immobilization. <i>Journal of Bioactive and Compatible Polymers</i> , 2010, 25, 40-57.	2.1	26

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19	Immobilization of acetylcholinesterase on new modified acrylonitrile copolymer membranes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 55, 169-176.	1.8	21
20	Modulating the Mechanical Properties of Electrospun PHB/PCL Materials by Using Different Types of Collectors and Heat Sealing. <i>Polymers</i> , 2020, 12, 693.	4.5	16
21	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> , 2001, 16, 379-392.	2.1	13
22	Electrospun Eco-Friendly Materials Based on Poly(3-hydroxybutyrate) (PHB) and TiO ₂ with Antifungal Activity Prospective for Esca Treatment. <i>Polymers</i> , 2020, 12, 1384.	4.5	13
23	Copolymers of 2-acryloylamido-2-methylpropanesulfonic acid and acrylic acid with anticoagulant activity. <i>E-Polymers</i> , 2003, 3, .	3.0	8
24	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> , 2001, 16, 3-19.	2.1	7
25	Electrospun Poly(methyl methacrylate)/TiO ₂ Composites for Photocatalytic Water Treatment. <i>Polymers</i> , 2021, 13, 3923.	4.5	7
26	Electrospun PLLA/PEG scaffolds. <i>Materials Today</i> , 2019, 28, 114-115.	14.2	6
27	Enhanced luminescence in electrospun polymer hybrids containing Mn-doped ZnSe/ZnS nanocrystals. <i>Optical Materials</i> , 2021, 113, 110858.	3.6	5
28	Effect of coating on the mechanical properties of electrospun poly(3-hydroxybutyrate) materials with targeted fibers alignment. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	5
29	Electrospun CuS/ZnS@PAN Hybrids as Efficient Visible-Light Photocatalysts. <i>Catalysis Letters</i> , 2018, 148, 2756-2764.	2.6	4
30	Magnetic hydrogel beads based on chitosan. <i>E-Polymers</i> , 2004, 4, .	3.0	3
31	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> , 2003, 3, .	3.0	2