

Mani Prabaharan

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.

63
papers

7,137
citations

34
h-index

64
g-index

64
ext. papers

7,714
ext. citations

6.9
avg, IF

6.47
L-index

#	Paper	IF	Citations
63	Biomaterials based on chitin and chitosan in wound dressing applications. <i>Biotechnology Advances</i> , 2011 , 29, 322-37	17.8	1311
62	Novel chitin and chitosan nanofibers in biomedical applications. <i>Biotechnology Advances</i> , 2010 , 28, 142-50	7.8	769
61	Graft copolymerized chitosan present status and applications. <i>Carbohydrate Polymers</i> , 2005 , 62, 142-158	10.3	491
60	Novel carboxymethyl derivatives of chitin and chitosan materials and their biomedical applications. <i>Progress in Materials Science</i> , 2010 , 55, 675-709	42.2	382
59	Chitosan-based particles as controlled drug delivery systems. <i>Drug Delivery</i> , 2005 , 12, 41-57	7	354
58	Amphiphilic multi-arm-block copolymer conjugated with doxorubicin via pH-sensitive hydrazone bond for tumor-targeted drug delivery. <i>Biomaterials</i> , 2009 , 30, 5757-66	15.6	329
57	Folate-conjugated amphiphilic hyperbranched block copolymers based on Boltorn H40, poly(L-lactide) and poly(ethylene glycol) for tumor-targeted drug delivery. <i>Biomaterials</i> , 2009 , 30, 3009-19	15.6	294
56	Review paper: chitosan derivatives as promising materials for controlled drug delivery. <i>Journal of Biomaterials Applications</i> , 2008 , 23, 5-36	2.9	292
55	Stimuli-responsive hydrogels based on polysaccharides incorporated with thermo-responsive polymers as novel biomaterials. <i>Macromolecular Bioscience</i> , 2006 , 6, 991-1008	5.5	287
54	Gold nanoparticles with a monolayer of doxorubicin-conjugated amphiphilic block copolymer for tumor-targeted drug delivery. <i>Biomaterials</i> , 2009 , 30, 6065-75	15.6	273
53	Chitosan-based nanoparticles for tumor-targeted drug delivery. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 1313-22	7.9	183
52	Chitosan derivatives bearing cyclodextrin cavities as novel adsorbent matrices. <i>Carbohydrate Polymers</i> , 2006 , 63, 153-166	10.3	150
51	Prospective of guar gum and its derivatives as controlled drug delivery systems. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 117-24	7.9	146
50	Stimuli-responsive chitosan-graft-poly(N-vinylcaprolactam) as a promising material for controlled hydrophobic drug delivery. <i>Macromolecular Bioscience</i> , 2008 , 8, 843-51	5.5	122
49	Novel thiolated carboxymethyl chitosan-g- β -cyclodextrin as mucoadhesive hydrophobic drug delivery carriers. <i>Carbohydrate Polymers</i> , 2008 , 73, 117-125	10.3	114
48	Chitosan-graft-beta-cyclodextrin scaffolds with controlled drug release capability for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 44, 320-5	7.9	99
47	Preparation and characterization of poly(L-lactic acid)-chitosan hybrid scaffolds with drug release capability. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007 , 81, 427-34	3.5	97

46	Carboxymethyl chitosan-graft-phosphatidylethanolamine: Amphiphilic matrices for controlled drug delivery. <i>Reactive and Functional Polymers</i> , 2007 , 67, 43-52	4.6	94
45	Guar gum oleate-graft-poly(methacrylic acid) hydrogel as a colon-specific controlled drug delivery carrier. <i>Carbohydrate Polymers</i> , 2017 , 158, 51-57	10.3	91
44	Hydroxypropyl chitosan bearing beta-cyclodextrin cavities: synthesis and slow release of its inclusion complex with a model hydrophobic drug. <i>Macromolecular Bioscience</i> , 2005 , 5, 965-73	5.5	90
43	Biodegradable and biocompatible multi-arm star amphiphilic block copolymer as a carrier for hydrophobic drug delivery. <i>International Journal of Biological Macromolecules</i> , 2009 , 44, 346-52	7.9	86
42	Amphiphilic multi-arm block copolymer based on hyperbranched polyester, poly(L-lactide) and poly(ethylene glycol) as a drug delivery carrier. <i>Macromolecular Bioscience</i> , 2009 , 9, 515-24	5.5	83
41	Thermosensitive micelles based on folate-conjugated poly(N-vinylcaprolactam)-block-poly(ethylene glycol) for tumor-targeted drug delivery. <i>Macromolecular Bioscience</i> , 2009 , 9, 744-53	5.5	77
40	Prospects of chitosan-based scaffolds for growth factor release in tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1382-1389	7.9	76
39	Treatment of wool fibres with subtilisin and subtilisin-PEG. <i>Enzyme and Microbial Technology</i> , 2005 , 36, 917-922	3.8	75
38	Guar gum succinate-sodium alginate beads as a pH-sensitive carrier for colon-specific drug delivery. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 45-50	7.9	68
37	Synthesis and characterization of nanoscale-hydroxyapatite-copper for antimicrobial activity towards bone tissue engineering applications. <i>Journal of Biomedical Nanotechnology</i> , 2010 , 6, 333-9	4	58
36	Nanofibrous polyaniline thin film prepared by plasma-induced polymerization technique for detection of NO ₂ gas. <i>Polymers for Advanced Technologies</i> , 2010 , 21, 615-620	3.2	54
35	Preparation and characterization of chitosan/pectin/ZnO porous films for wound healing. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 135-145	7.9	47
34	Guar gum succinate as a carrier for colon-specific drug delivery. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 10-5	7.9	43
33	Three-dimensional porous scaffolds based on agarose/chitosan/graphene oxide composite for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 222-231	7.9	43
32	An amphiphilic nanocarrier based on guar gum-graft-poly(epsilon-caprolactone) for potential drug-delivery applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010 , 21, 937-49	3.5	42
31	Multi-functional core-shell FeO@Au nanoparticles for cancer diagnosis and therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 174, 252-259	6	41
30	Metal-containing polyurethanes, poly(urethane-urea)s and poly(urethane-ether)s: A review. <i>Reactive and Functional Polymers</i> , 2006 , 66, 299-314	4.6	38
29	Preparation and characterization of three-dimensional scaffolds based on hydroxypropyl chitosan-graft-graphene oxide. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 522-530	7.9	33

28	Study on ozone bleaching of cotton fabric [process optimisation, dyeing and finishing properties. <i>Coloration Technology</i> , 2001 , 117, 98-103	2	31
27	Electrospun Nanofibrous Scaffolds-Current Status and Prospects in Drug Delivery. <i>Advances in Polymer Science</i> , 2011 , 241-262	1.3	30
26	Novel chitosan/gold-MPA nanocomposite for sequence-specific oligonucleotide detection. <i>Carbohydrate Polymers</i> , 2010 , 82, 189-194	10.3	29
25	Theranostics Based on Iron Oxide and Gold Nanoparticles for Imaging- Guided Photothermal and Photodynamic Therapy of Cancer. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1858-1871	3	26
24	Deacetylation modification techniques of chitin and chitosan 2017 , 117-133		21
23	Multi-functional FITC-silica@gold nanoparticles conjugated with guar gum succinate, folic acid and doxorubicin for CT/fluorescence dual imaging and combined chemo/PTT of cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 186, 110701	6	19
22	Multi-functional nanocarriers based on iron oxide nanoparticles conjugated with doxorubicin, poly(ethylene glycol) and folic acid as theranostics for cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 529-537	6	19
21	Biomedical Applications of Polymer/Silver Composite Nanofibers. <i>Advances in Polymer Science</i> , 2011 , 263-282	1.3	16
20	Liquid Crystalline Behaviour of Chitosan in Formic, Acetic, Monochloroacetic Acid Solutions. <i>Materials Science Forum</i> , 2006 , 514-516, 1010-1014	0.4	15
19	Vacuum-Deposited Thin Film of AnilineFormaldehyde Condensate/WO ₃ ·H ₂ O Nanocomposite for NO ₂ Gas Sensor. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010 , 20, 380-386	3.2	14
18	Developments in Metal-Containing Polyurethanes, Co-polyurethanes and Polyurethane Ionomers. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2005 , 45, 231-261		12
17	Prospects of Bioactive Chitosan-Based Scaffolds in Tissue Engineering and Regenerative Medicine. <i>Springer Series on Polymer and Composite Materials</i> , 2016 , 41-59	0.9	11
16	Process Optimization in Peracetic Acid Bleaching of Cotton. <i>Textile Reseach Journal</i> , 2000 , 70, 657-661	1.7	10
15	Chitosan/carbon-based nanomaterials as scaffolds for tissue engineering 2017 , 381-397		9
14	Novel Chitin and Chitosan Materials in Wound Dressing 2011 ,		8
13	Synthesis and Characterization of Chitosan-graft-Poly(3-(trimethoxysilyl)propyl methacrylate) Initiated by Ceric (IV) Ion. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007 , 44, 489-494	2.2	8
12	Polymeric Bionanocomposites as Promising Materials for Controlled Drug Delivery. <i>Advances in Polymer Science</i> , 2011 , 1-18	1.3	5
11	Peptides to Target Tumor Vasculature and Lymphatics for Improved Anti-Angiogenesis Therapy. <i>Current Cancer Drug Targets</i> , 2016 , 16, 522-35	2.8	5

10	Theranostic Application of Fe ₃ O ₄ @Au Hybrid Nanoparticles 2019 , 607-623		4
9	Preparation and characterization of chitosan/carboxymethyl pullulan/bioglass composite films for wound healing. <i>Journal of Biomaterials Applications</i> , 2021 , 8853282211050161	2.9	4
8	Chemical Modifications of Chitosan Intended for Biomedical Applications 2010 , 173-184		3
7	Prospects of Biosensors Based on Chitosan Matrices. <i>Journal of Chitin and Chitosan Science</i> , 2013 , 1, 2-12		3
6	Bioactivity of Chitosan Derivative 2014 , 1-14		2
5	Bioactivity of Chitosan Derivatives 2015 , 1609-1625		0
4	Prospects of Guar Gum and its Derivatives as Biomaterials 2015 , 413-431		0
3	Characterization of tissue scaffolds drug release profiles 2016 , 149-168		0
2	Graphene oxide-reinforced pectin/chitosan polyelectrolyte complex scaffolds. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 2246-2266	3.5	0
1	Recent Advances on Chitosan-Based Materials in Regenerative Medicine 2020 , 1315-1333		