

# Jayakumar Rangasamy

## List of Publications by Year in Descending Order

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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.

253  
papers

19,487  
citations

73  
h-index

132  
g-index

302  
ext. papers

21,609  
ext. citations

6.8  
avg, IF

7.02  
L-index

#	Paper	IF	Citations
253	Antiseptic chitosan bandage for preventing topical skin infections. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 193, 1653-1653	7.9	3
252	Vasoconstrictor and coagulation activator entrapped chitosan based composite hydrogel for rapid bleeding control. <i>Carbohydrate Polymers</i> , <b>2021</b> , 258, 117634	10.3	14
251	Nanocurcumin and arginine entrapped injectable chitosan hydrogel for restoration of hypoxia induced endothelial dysfunction. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 166, 471-482	7.9	7
250	Recent developments in controlling sternal wound infection after cardiac surgery and measures to enhance sternal healing. <i>Medicinal Research Reviews</i> , <b>2021</b> , 41, 709-724	14.4	5
249	Different Forms of Chitosan and Its Derivatives as Hemostatic Agent and Tissue Sealants. <i>Advances in Polymer Science</i> , <b>2021</b> , 1-28	1.3	2
248	Perspectives and Challenges of Using Chitosan in Various Biological Applications. <i>Advances in Polymer Science</i> , <b>2021</b> , 1-22	1.3	3
247	Chitosan Based Biomaterials for Periodontal Therapy. <i>Advances in Polymer Science</i> , <b>2021</b> , 163-189	1.3	1
246	Addition of lactoferrin and substance P in a chitin/PLGA-CaSO hydrogel for regeneration of calvarial bone defects. <i>Materials Science and Engineering C</i> , <b>2021</b> , 126, 112172	8.3	3
245	Prospection of chitosan and its derivatives in wound healing: Proof of patent analysis (2010-2020). <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 184, 701-712	7.9	11
244	Combinatorial effect of plasma treatment, fiber alignment and fiber scale of poly (ε-caprolactone)/collagen multiscale fibers in inducing tenogenesis in non-tenogenic media. <i>Materials Science and Engineering C</i> , <b>2021</b> , 127, 112206	8.3	8
243	In-situ silver nanoparticles incorporated N, O-carboxymethyl chitosan based adhesive, self-healing, conductive, antibacterial and anti-biofilm hydrogel. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 188, 501-511	7.9	6
242	Hydrogels: A potential platform for induced pluripotent stem cell culture and differentiation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 207, 111991	6	1
241	Application of Chitosan and Its Derivatives in Transdermal Drug Delivery. <i>Advances in Polymer Science</i> , <b>2021</b> , 411-446	1.3	1
240	Chitosan-Based Biosensor Fabrication and Biosensing Applications. <i>Advances in Polymer Science</i> , <b>2021</b> , 233-255	1.3	3
239	Synthesis-Structure Relationship of Chitosan Based Hydrogels. <i>Advances in Polymer Science</i> , <b>2021</b> , 105-129	1.3	2
238	Combinatorial effect of nano whitlockite/nano bioglass with FGF-18 in an injectable hydrogel for craniofacial bone regeneration. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2439-2453	7.4	9
237	Bioinspired inorganic nanoparticles and vascular factor microenvironment directed neo-bone formation. <i>Biomaterials Science</i> , <b>2020</b> , 8, 2627-2637	7.4	2

236	Human Adipose Tissue Derivatives as a Potent Native Biomaterial for Tissue Regenerative Therapies. <i>Tissue Engineering and Regenerative Medicine</i> , <b>2020</b> , 17, 123-140	4.5	13
235	Antibacterial, anti-biofilm and angiogenic calcium sulfate-nano MgO composite bone void fillers for inhibiting Staphylococcus aureus infections. <i>Colloids and Interface Science Communications</i> , <b>2020</b> , 39, 100332	5.4	8
234	Nano polydopamine crosslinked thiol-functionalized hyaluronic acid hydrogel for angiogenic drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 177, 41-49	6	27
233	Development of Mangifera indica leaf extract incorporated carbopol hydrogel and its antibacterial efficacy against Staphylococcus aureus. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 178, 377-384	6	8
232	Functionalized Antibacterial Nanoparticles for Controlling Biofilm and Intracellular Infections <b>2019</b> , 183-206		4
231	Injectable chitosan-nano bioglass composite hemostatic hydrogel for effective bleeding control. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 129, 936-943	7.9	43
230	Retraction of "Flexible and Microporous Chitosan Hydrogel/Nano ZnO Composite Bandages for Wound Dressing: In Vitro and In Vivo Evaluation". <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28598-5	8.5	3
229	Bioengineered Braided Micro-Nano (Multiscale) Fibrous Scaffolds for Tendon Reconstruction. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 1476-1486	5.5	22
228	Targeted nanoparticles for treating infectious diseases <b>2019</b> , 169-185		1
227	Ciprofloxacin- and Fluconazole-Containing Fibrin-Nanoparticle-Incorporated Chitosan Bandages for the Treatment of Polymicrobial Wound Infections.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 243-254	4.1	28
226	Chaulmoogra oil based methotrexate loaded topical nanoemulsion for the treatment of psoriasis. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 49, 463-476	4.5	38
225	Injectable Nano Whitlockite Incorporated Chitosan Hydrogel for Effective Hemostasis.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 865-873	4.1	32
224	Chitosan hydrogel scaffold reinforced with twisted poly(l lactic acid) aligned microfibrinous bundle to mimic tendon extracellular matrix. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 37-44	7.9	21
223	Injectable angiogenic and osteogenic carrageenan nanocomposite hydrogel for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 320-328	7.9	43
222	Antistaphylococcal and Neutrophil Chemotactic Injectable Carrageenan Hydrogel for Infectious Wound Healing.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 378-387	4.1	10
221	Nanoengineered biomaterials for tendon/ligament regeneration <b>2019</b> , 73-93		4
220	Injectable chitosan-fibrin/nanocurcumin composite hydrogel for the enhancement of angiogenesis. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 4873-4887	2.8	18
219	Process study, development and degradation behavior of different size scale electrospun poly(caprolactone) and poly(lactic acid) fibers. <i>Journal of Polymer Research</i> , <b>2018</b> , 25, 1	2.7	10

218	Bioadhesive, Hemostatic, and Antibacterial in Situ Chitin/Fibrin Nanocomposite Gel for Controlling Bleeding and Preventing Infections at Mediastinum. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 7826-7840	8.3	33
217	Biological macromolecules based targeted nanodrug delivery systems for the treatment of intracellular infections. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 2-6	7.9	11
216	In vivo anti-psoriatic activity, biodistribution, sub-acute and sub-chronic toxicity studies of orally administered methotrexate loaded chitin nanogel in comparison with methotrexate tablet. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 259-268	7.9	14
215	Amphotericin B loaded sulfonated chitosan nanoparticles for targeting macrophages to treat intracellular <i>Candida glabrata</i> infections. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 133-139	7.9	31
214	Preparation, characterization and efficacy of lysostaphin-chitosan gel against <i>Staphylococcus aureus</i> . <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 157-166	7.9	27
213	Fabrication of micropatterned alginate-gelatin and k-carrageenan hydrogels of defined shapes using simple wax mould method as a platform for stem cell/induced Pluripotent Stem Cells (iPSC) culture. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 112, 737-744	7.9	17
212	Bi-layered nanocomposite bandages for controlling microbial infections and overproduction of matrix metalloproteinase activity. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 124-132	7.9	7
211	Injectable deferoxamine nanoparticles loaded chitosan-hyaluronic acid coacervate hydrogel for therapeutic angiogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 161, 129-138	6	52
210	Alginate nanobeads interspersed fibrin network as forming hydrogel for soft tissue engineering. <i>Bioactive Materials</i> , <b>2018</b> , 3, 194-200	16.7	39
209	Carrageenan based hydrogels for drug delivery, tissue engineering and wound healing. <i>Carbohydrate Polymers</i> , <b>2018</b> , 198, 385-400	10.3	170
208	Chitosan based metallic nanocomposite scaffolds as antimicrobial wound dressings. <i>Bioactive Materials</i> , <b>2018</b> , 3, 267-277	16.7	129
207	Carboxymethylated $\kappa$ -carrageenan conjugated amphotericin B loaded gelatin nanoparticles for treating intracellular <i>Candida glabrata</i> infections. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 140-149	7.9	24
206	Synthesis, characterisation and biomedical applications of curcumin conjugated chitosan microspheres. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 227-233	7.9	43
205	Engineering poly(hydroxy butyrate-co-hydroxy valerate) based vascular scaffolds to mimic native artery. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 85-98	7.9	25
204	Poly(L-lactic acid) nanofibers containing <i>Cissus quadrangularis</i> induced osteogenic differentiation in vitro. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 110, 514-521	7.9	19
203	Injectable in Situ Shape-Forming Osteogenic Nanocomposite Hydrogel for Regenerating Irregular Bone Defects.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 1037-1046	4.1	16
202	Bioglass-Incorporated Methacrylated Gelatin Cryogel for Regeneration of Bone Defects. <i>Polymers</i> , <b>2018</b> , 10,	4.5	36
201	Development of drug delivery systems for taxanes using ionic gelation of carboxyacyl derivatives of chitosan. <i>Carbohydrate Polymers</i> , <b>2017</b> , 162, 49-55	10.3	32

200	Tri-Layered Nanocomposite Hydrogel Scaffold for the Concurrent Regeneration of Cementum, Periodontal Ligament, and Alveolar Bone. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601251	10.1	60
199	In vivo evaluation of cetuximab-conjugated poly( $\epsilon$ -glutamic acid)-docetaxel nanomedicines in EGFR-overexpressing gastric cancer xenografts. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 7165-7182	7.3	19
198	Preparation, characterization, drug release and computational modelling studies of antibiotics loaded amorphous chitin nanoparticles. <i>Carbohydrate Polymers</i> , <b>2017</b> , 177, 67-76	10.3	21
197	Tunable pH and redox-responsive drug release from curcumin conjugated $\epsilon$ -polyglutamic acid nanoparticles in cancer microenvironment. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 159, 809-819	6	16
196	Fucoidan coated ciprofloxacin loaded chitosan nanoparticles for the treatment of intracellular and biofilm infections of Salmonella. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 160, 40-47	6	49
195	Bone Tissue Engineering: Biomimetic Materials and Fabrication Approaches for Bone Tissue Engineering (Adv. Healthcare Mater. 23/2017). <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1770120	10.1	4
194	Biomimetic Materials and Fabrication Approaches for Bone Tissue Engineering. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700612	10.1	113
193	Injectable Shear-Thinning CaSO <sub>4</sub> /FGF-18-Incorporated Chitin-PLGA Hydrogel Enhances Bone Regeneration in Mice Cranial Bone Defect Model. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42639-42652	9.5	43
192	Comparative anti-psoriatic efficacy studies of clobetasol loaded chitin nanogel and marketed cream. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 96, 193-206	5.1	38
191	Characterization of chitosan matters <b>2017</b> , 81-114		4
190	Pro-angiogenic Molecules for Therapeutic Angiogenesis. <i>Current Medicinal Chemistry</i> , <b>2017</b> , 24, 3413-3432	4.3	9
189	Controlled Delivery of Bioactive Molecules for the Treatment of Chronic Wounds. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 3529-3537	3.3	8
188	Methotrexate in the Treatment of Psoriasis and Rheumatoid Arthritis: Mechanistic Insights, Current Issues and Novel Delivery Approaches. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 3550-3566	3.3	34
187	Chitosan-Gelatin Composite Scaffolds in Bone Tissue Engineering. <i>Springer Series on Polymer and Composite Materials</i> , <b>2016</b> , 99-121	0.9	5
186	Chitin and Chitosan as Hemostatic Agents <b>2016</b> , 1-12		4
185	Sequential layer-by-layer electrospinning of nano SrCO <sub>3</sub> /PRP loaded PHBV fibrous scaffold for bone tissue engineering. <i>Composites Part B: Engineering</i> , <b>2016</b> , 99, 445-452	10	31
184	Breast Tumor Targetable Fe <sub>3</sub> O <sub>4</sub> Embedded Thermo-Responsive Nanoparticles for Radiofrequency Assisted Drug Delivery. <i>Journal of Biomedical Nanotechnology</i> , <b>2016</b> , 12, 43-55	4	30
183	Injectable osteogenic and angiogenic nanocomposite hydrogels for irregular bone defects. <i>Biomedical Materials (Bristol)</i> , <b>2016</b> , 11, 035017	3.5	39

182	Nano-fibrin stabilized CaSO <sub>4</sub> crystals incorporated injectable chitin composite hydrogel for enhanced angiogenesis & osteogenesis. <i>Carbohydrate Polymers</i> , <b>2016</b> , 140, 144-53	10.3	32
181	An overview of chitin or chitosan/nano ceramic composite scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1338-1353	7.9	177
180	Integration of in silico modeling, prediction by binding energy and experimental approach to study the amorphous chitin nanocarriers for cancer drug delivery. <i>Carbohydrate Polymers</i> , <b>2016</b> , 142, 240-9	10.3	35
179	Colloidal chitin nanogels: A plethora of applications under one shell. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 609-17	10.3	24
178	Chitosan/nano-hydroxyapatite nanocomposite for bone-tissue regeneration <b>2016</b> , 161-174		
177	Accelerated Wound Healing Using Nanoparticles <b>2016</b> , 287-306		6
176	Acitretin and aloe-emodin loaded chitin nanogel for the treatment of psoriasis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 107, 97-109	5.7	52
175	Prolonged release of TGF- $\beta$ from polyelectrolyte nanoparticle loaded macroporous chitin-poly(caprolactone) scaffold for chondrogenesis. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1402-1409	7.9	16
174	Chitosan nanoparticles in drug therapy of infectious and inflammatory diseases. <i>Expert Opinion on Drug Delivery</i> , <b>2016</b> , 13, 1177-94	8	65
173	Nanostrontium ranelate incorporated injectable hydrogel enhanced matrix production supporting chondrogenesis in vitro. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 4092-4103	7.3	34
172	Synthesis of electrospun silica nanofibers for protein/DNA binding. <i>Materials Letters</i> , <b>2016</b> , 184, 5-8	3.3	8
171	Layered chitosan-collagen hydrogel/aligned PLLA nanofiber construct for flexor tendon regeneration. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 492-500	10.3	94
170	Anti-staphylococcal Activity of Injectable Nano Tigecycline/Chitosan-PRP Composite Hydrogel Using <i>Drosophila melanogaster</i> Model for Infectious Wounds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22074-83	9.5	63
169	Skin and muscle permeating antibacterial nanoparticles for treating <i>Staphylococcus aureus</i> infected wounds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 797-807	2.5	19
168	Bilayered construct for simultaneous regeneration of alveolar bone and periodontal ligament. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 761-70	3.5	29
167	Combinatorial nanomedicines for colon cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2016</b> , 8, 151-9	9.2	29
166	Comparative efficacy of chloramphenicol loaded chondroitin sulfate and dextran sulfate nanoparticles to treat intracellular <i>Salmonella</i> infections. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 127, 33-40	6	31
165	Nanogels for delivery, imaging and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2015</b> , 7, 509-33	9.2	80

164	Manganese doped nano-bioactive glass for magnetic resonance imaging. <i>Materials Letters</i> , <b>2015</b> , 160, 335-338	3.3	6
163	Drug loaded bi-layered sponge for wound management in hyperfibrinolytic conditions. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 5795-5805	7.3	17
162	Injectable Chitin-Poly( $\epsilon$ -caprolactone)/Nanohydroxyapatite Composite Microgels Prepared by Simple Regeneration Technique for Bone Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9399-409	9.5	103
161	An overview of injectable polymeric hydrogels for tissue engineering. <i>European Polymer Journal</i> , <b>2015</b> , 72, 543-565	5.2	221
160	Radio frequency responsive nano-biomaterials for cancer therapy. <i>Journal of Controlled Release</i> , <b>2015</b> , 204, 85-97	11.7	34
159	Multi Drug Loaded Thermo-Responsive Fibrinogen-graft-Poly(N-vinyl Caprolactam) Nanogels for Breast Cancer Drug Delivery. <i>Journal of Biomedical Nanotechnology</i> , <b>2015</b> , 11, 392-402	4	22
158	Composite hydrogel of chitosan-poly(hydroxybutyrate-co-valerate) with chondroitin sulfate nanoparticles for nucleus pulposus tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 136, 84-92	6	46
157	Delivery of rifampicin-chitin nanoparticles into the intracellular compartment of polymorphonuclear leukocytes. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 74, 36-43	7.9	36
156	Fabrication of poly (L-lactic acid)/gelatin composite tubular scaffolds for vascular tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 1048-55	7.9	67
155	Chitosan/hyaluronic acid hydrogel coated poly(caprolactone) multiscale bilayer scaffold for ligament regeneration. <i>Chemical Engineering Journal</i> , <b>2015</b> , 260, 478-485	14.7	64
154	Injectable Amorphous Chitin-Agarose Composite Hydrogels for Biomedical Applications. <i>Journal of Functional Biomaterials</i> , <b>2015</b> , 6, 849-62	4.8	11
153	Exploration of alginate hydrogel/nano zinc oxide composite bandages for infected wounds. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10 Suppl 1, 53-66	7.3	35
152	Periodontal Specific Differentiation of Dental Follicle Stem Cells into Osteoblast, Fibroblast, and Cementoblast. <i>Tissue Engineering - Part C: Methods</i> , <b>2015</b> , 21, 1044-58	2.9	29
151	Injectable alginate-O-carboxymethyl chitosan/nano fibrin composite hydrogels for adipose tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 74, 318-26	7.9	81
150	Chitosan-hyaluronic acid/VEGF loaded fibrin nanoparticles composite sponges for enhancing angiogenesis in wounds. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 127, 105-13	6	120
149	Anti-cancer, pharmacokinetics and tumor localization studies of pH-, RF- and thermo-responsive nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 74, 249-62	7.9	28
148	Development of Alginate-Chitosan-Collagen Based Hydrogels for Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2015</b> , 5, 458-464	0.3	22
147	Chitin and chitosan in selected biomedical applications. <i>Progress in Polymer Science</i> , <b>2014</b> , 39, 1644-1667	29.6	645

146	MnO <sub>2</sub> nano/micro hybrids for supercapacitors: Nano's Envy, Micro's pride. <i>RSC Advances</i> , <b>2014</b> , 4, 15863-15869	3.7	110
145	In vitro combinatorial anticancer effects of 5-fluorouracil and curcumin loaded N,O-carboxymethyl chitosan nanoparticles toward colon cancer and in vivo pharmacokinetic studies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2014</b> , 88, 238-51	5.7	110
144	Amidase encapsulated O-carboxymethyl chitosan nanoparticles for vaccine delivery. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 63, 154-7	7.9	11
143	Bio-responsive chitin-poly(L-lactic acid) composite nanogels for liver cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 113, 394-402	6	31
142	Flexible, micro-porous chitosan/gelatin hydrogel/nanofibrin composite bandages for treating burn wounds. <i>RSC Advances</i> , <b>2014</b> , 4, 65081-65087	3.7	42
141	Versatile carboxymethyl chitin and chitosan nanomaterials: a review. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2014</b> , 6, 574-98	9.2	53
140	Combinatorial anticancer effects of curcumin and 5-fluorouracil loaded thiolated chitosan nanoparticles towards colon cancer treatment. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 2730-43	4	110
139	Gold/chitin/manganese dioxide ternary composite nanogels for radio frequency assisted cancer therapy. <i>RSC Advances</i> , <b>2014</b> , 4, 5819	3.7	18
138	Redox-responsive cystamine conjugated chitin/hyaluronic acid composite nanogels. <i>RSC Advances</i> , <b>2014</b> , 4, 49547-49555	3.7	23
137	Surface plasma treatment of poly(caprolactone) micro, nano, and multiscale fibrous scaffolds for enhanced osteoconductivity. <i>Tissue Engineering - Part A</i> , <b>2014</b> , 20, 1689-702	3.9	43
136	Dual drug encapsulated thermo-sensitive fibrinogen-graft-poly (N-isopropyl acrylamide) nanogels for breast cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 114, 209-17	6	31
135	Multifaceted chitin/poly(lactic-co-glycolic) acid composite nanogels. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 67, 279-88	7.9	11
134	Tetracycline nanoparticles loaded calcium sulfate composite beads for periodontal management. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 2080-90	4	38
133	Actively targeted cetuximab conjugated gamma-poly(glutamic acid)-docetaxel nanomedicines for epidermal growth factor receptor over expressing colon cancer cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 1416-28	4	35
132	Chitosan cross-linked docetaxel loaded EGF receptor targeted nanoparticles for lung cancer cells. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 69, 532-41	7.9	37
131	In vitro and in vivo biological evaluation of O-carboxymethyl chitosan encapsulated metformin nanoparticles for pancreatic cancer therapy. <i>Pharmaceutical Research</i> , <b>2014</b> , 31, 3361-70	4.5	26
130	Antimicrobial Activity of Chitosan-Carbon Nanotube Hydrogels. <i>Materials</i> , <b>2014</b> , 7, 3946-3955	3.5	82
129	Fabrication of Chitin/Poly(butylene succinate)/Chondroitin Sulfate Nanoparticles Ternary Composite Hydrogel Scaffold for Skin Tissue Engineering. <i>Polymers</i> , <b>2014</b> , 6, 2974-2984	4.5	26



128	Carbohydrate-based nanogels as drug and gene delivery systems. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 694-704	1.3	23
127	PTH 1-34 loaded thiolated chitosan nanoparticles for osteoporosis: oral bioavailability and anabolic effect on primary osteoblast cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 166-78	4	5
126	Synthesis, characterization and biological activities of curcumin nanospheres. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 238-50	4	24
125	Silymarin encapsulated poly(D,L-lactic-co-glycolic acid) nanoparticles: a prospective candidate for prostate cancer therapy. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 559-70	4	30
124	Synthesis and anti-staphylococcal activity of TiO <sub>2</sub> nanoparticles and nanowires in ex vivo porcine skin model. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 864-70	4	39
123	Hyaluronic acid-based conjugates for tumor-targeted drug delivery and imaging. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 17-31	4	41
122	Antimicrobial drugs encapsulated in fibrin nanoparticles for treating microbial infested wounds. <i>Pharmaceutical Research</i> , <b>2014</b> , 31, 1338-51	4.5	23
121	In vitro and in vivo evaluation of microporous chitosan hydrogel/nanofibrin composite bandage for skin tissue regeneration. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 380-92	3.9	51
120	Development and evaluation of 5-fluorouracil loaded chitin nanogels for treatment of skin cancer. <i>Carbohydrate Polymers</i> , <b>2013</b> , 91, 48-57	10.3	82
119	In vitro evaluation of paclitaxel loaded amorphous chitin nanoparticles for colon cancer drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 104, 245-53	6	49
118	Biocompatible conducting chitosan/polypyrrole-alginate composite scaffold for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 465-71	7.9	122
117	Doxorubicin-chitin-poly(caprolactone) composite nanogel for drug delivery. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 35-43	7.9	38
116	Electrospun continuous nanofibers based on a TiO <sub>2</sub> /nO <sub>2</sub> /graphene composite. <i>RSC Advances</i> , <b>2013</b> , 3, 25312	3.7	17
115	In vitro and in vivo evaluation of osteoporosis therapeutic peptide PTH 1-34 loaded pegylated chitosan nanoparticles. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 4159-67	5.6	27
114	Chitosan-hyaluronic acid/nano silver composite sponges for drug resistant bacteria infected diabetic wounds. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 310-20	7.9	193
113	Evaluation of wound healing potential of chitin hydrogel/nano zinc oxide composite bandage. <i>Pharmaceutical Research</i> , <b>2013</b> , 30, 523-37	4.5	125
112	Biochemical properties of <i>Hemigrapsus alternata</i> incorporated chitosan hydrogel scaffold. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 1561-5	10.3	24
111	Cetuximab conjugated O-carboxymethyl chitosan nanoparticles for targeting EGFR overexpressing cancer cells. <i>Carbohydrate Polymers</i> , <b>2013</b> , 93, 661-9	10.3	81

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109	Role of nanostructured biopolymers and bioceramics in enamel, dentin and periodontal tissue regeneration. <i>Progress in Polymer Science</i> , <b>2013</b> , 38, 1748-1772	29.6	67
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107	Poly (lactic acid)-chitosan-collagen composite nanofibers as substrates for blood outgrowth endothelial cells. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 58, 220-4	7.9	23
106	Fabrication and characterization of chitosan/gelatin/nSiO <sub>2</sub> composite scaffold for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 59, 255-63	7.9	137
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104	Fluconazole loaded chitin nanogels as a topical ocular drug delivery agent for corneal fungal infections. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 1521-31	4	31
103	Development of small diameter fibrous vascular grafts with outer wall multiscale architecture to improve cell penetration. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 1299-305	4	11
102	Effect of incorporation of nanoscale bioactive glass and hydroxyapatite in PCL/chitosan nanofibers for bone and periodontal tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 430-40	4	93
101	Antibacterial and bioactive alpha- and beta-chitin hydrogel/nanobioactive glass ceramic/nano silver composite scaffolds for periodontal regeneration. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 1803-16	4	29
100	Functionalised gold nanoparticles for selective induction of in vitro apoptosis among human cancer cell lines. <i>Journal of Experimental Nanoscience</i> , <b>2013</b> , 8, 32-45	1.9	37
99	Paclitaxel loaded fibrinogen coated CdTe/ZnTe core shell nanoparticles for targeted imaging and drug delivery to breast cancer cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 1657-71	4	14
98	High thick layer-by-layer 3D multiscale fibrous scaffolds for enhanced cell infiltration and it's potential in tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 2117-22	4	8
97	Enhanced delivery system of flutamide loaded chitosan-dextran sulphate nanoparticles for prostate cancer. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 335-47	4	20
96	Smart stimuli sensitive nanogels in cancer drug delivery and imaging: a review. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 7203-18	3.3	116
95	Fabrication of Multifunctional Chitin Nanogels as a Theragnostic Nanomedicine. <i>Journal of Chitin and Chitosan Science</i> , <b>2013</b> , 1, 71-75		2
94	One Pot Green Synthesis of Iron Oxide Nanoparticles by O-carboxymethyl Chitosan Assisted Hydrothermal Method. <i>Journal of Chitin and Chitosan Science</i> , <b>2013</b> , 1, 76-85		5
93	In vitro targeted imaging and delivery of camptothecin using cetuximab-conjugated multifunctional PLGA-ZnS nanoparticles. <i>Nanomedicine</i> , <b>2012</b> , 7, 507-19	5.6	37

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87	5-flourouracil loaded N,O-carboxymethyl chitosan nanoparticles as an anticancer nanomedicine for breast cancer. <i>Journal of Biomedical Nanotechnology</i> , <b>2012</b> , 8, 29-42	4	63
86	Fabrication of aligned poly(lactic acid)-chitosan nanofibers by novel parallel blade collector method for skin tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , <b>2012</b> , 8, 405-16	4	37
85	Flexible and microporous chitosan hydrogel/nano ZnO composite bandages for wound dressing: in vitro and in vivo evaluation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 2618-29	9.5	583
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83	Fabrication of chitin/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) hydrogel scaffold. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 725-9	10.3	45
82	Efficacy of tetracycline encapsulated O-carboxymethyl chitosan nanoparticles against intracellular infections of Staphylococcus aureus. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 392-9	7.9	124
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75	Doxorubicin-loaded pH-responsive chitin nanogels for drug delivery to cancer cells. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 2352-2356	10.3	75

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