

CITATION REPORT

List of articles citing

Angiogenic potential of gellan-gum-based hydrogels for application in nucleus pulposus regeneration: in vivo study

DOI: 10.1089/ten.tea.2011.0632

Tissue Engineering - Part A, 2012, 18, 1203-12.

Source: <https://exaly.com/paper-pdf/53353738/citation-report.pdf>

Version: 2024-04-24

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
87	Hydrogels for nucleus replacement--facing the biomechanical challenge. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012 , 14, 67-77	4.1	47
86	Tissue engineering strategies applied in the regeneration of the human intervertebral disk. <i>Biotechnology Advances</i> , 2013 , 31, 1514-31	17.8	52
85	Silica as a morphogenetically active inorganic polymer. <i>Biomaterials Science</i> , 2013 , 1, 669-678	7.4	30
84	Tissue engineering and regenerative medicine: past, present, and future. <i>International Review of Neurobiology</i> , 2013 , 108, 1-33	4.4	69
83	Loss of WNK2 expression by promoter gene methylation occurs in adult gliomas and triggers Rac1-mediated tumour cell invasiveness. <i>Human Molecular Genetics</i> , 2013 , 22, 84-95	5.6	38
82	In Vitro and In Vivo Analysis of RTK Inhibitor Efficacy and Identification of Its Novel Targets in Glioblastomas. <i>Translational Oncology</i> , 2013 , 6, 187-96	4.9	49
81	Modified gellan gum hydrogels for tissue engineering applications. <i>Soft Matter</i> , 2013 , 9, 3705	3.6	102
80	Rheological and mechanical properties of acellular and cell-laden methacrylated gellan gum hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 3438-46	5.4	74
79	Biocompatibility evaluation of ionic- and photo-crosslinked methacrylated gellan gum hydrogels: in vitro and in vivo study. <i>Advanced Healthcare Materials</i> , 2013 , 2, 568-75	10.1	77
78	Hydrogel-based nanocomposites and mesenchymal stem cells: a promising synergistic strategy for neurodegenerative disorders therapy. <i>Scientific World Journal, The</i> , 2013 , 2013, 270260	2.2	20
77	In vivo biofunctional evaluation of hydrogels for disc regeneration. <i>European Spine Journal</i> , 2014 , 23, 19-26	2.7	29
76	Application of gellan gum in pharmacy and medicine. <i>International Journal of Pharmaceutics</i> , 2014 , 466, 328-40	6.5	223
75	Nanoparticulate bioactive-glass-reinforced gellan-gum hydrogels for bone-tissue engineering. <i>Materials Science and Engineering C</i> , 2014 , 43, 27-36	8.3	89
74	Current concepts: tissue engineering and regenerative medicine applications in the ankle joint. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20130784	4.1	46
73	Multi-Functional Macromers for Hydrogel Design in Biomedical Engineering and Regenerative Medicine. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 27677-706	6.3	32
72	Custom-tailored tissue engineered polycaprolactone scaffolds for total disc replacement. <i>Biofabrication</i> , 2015 , 7, 015008	10.5	39
71	Natural-based nanocomposites for bone tissue engineering and regenerative medicine: a review. <i>Advanced Materials</i> , 2015 , 27, 1143-69	24	565

70	An in situ gelling system for bone regeneration of osteochondral defects. <i>European Polymer Journal</i> , 2015 , 72, 642-650	5.2	17
69	The synergistic effect of VEGF and biomorphic silicon carbides topography on in vivo angiogenesis and human bone marrow derived mesenchymal stem cell differentiation. <i>Biomedical Materials (Bristol)</i> , 2015 , 10, 045017	3.5	8
68	An overview of the suitability of hydrogel-forming polymers for extrusion-based 3D-printing. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4105-4117	7.3	196
67	Evaluating Biomaterial- and Microfluidic-Based 3D Tumor Models. <i>Trends in Biotechnology</i> , 2015 , 33, 667-678	15.78	77
66	Gellan gum-coated gold nanorods: an intracellular nanosystem for bone tissue engineering. <i>RSC Advances</i> , 2015 , 5, 77996-78005	3.7	33
65	Intervertebral disc regeneration: from the degenerative cascade to molecular therapy and tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 679-90	4.4	60
64	Development of a morphogenetically active scaffold for three-dimensional growth of bone cells: biosilica-alginate hydrogel for SaOS-2 cell cultivation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, E39-50	4.4	19
63	Current trends in biologics delivery to restore intervertebral disc anabolism. <i>Advanced Drug Delivery Reviews</i> , 2015 , 84, 146-58	18.5	84
62	Evaluation of an injectable hydrogel and polymethyl methacrylate in restoring mechanics to compressively fractured spine motion segments. <i>Spine Journal</i> , 2016 , 16, 1404-1412	4	4
61	Modification of polysaccharides: Pharmaceutical and tissue engineering applications with commercial utility (patents). <i>Materials Science and Engineering C</i> , 2016 , 68, 929-938	8.3	30
60	Gellan Gum-based Hydrogels for Tissue Engineering Applications. 2016 , 320-336		4
59	Recent progress in gellan gum hydrogels provided by functionalization strategies. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6164-6174	7.3	84
58	Gellan Gum. 2016 , 3585-3592		
57	Tissue engineering with gellan gum. <i>Biomaterials Science</i> , 2016 , 4, 1276-90	7.4	91
56	Tumor Growth Suppression Induced by Biomimetic Silk Fibroin Hydrogels. <i>Scientific Reports</i> , 2016 , 6, 31037	4.9	48
55	Synthesis and Characterization of Injectable Sulfonate-Containing Hydrogels. <i>Biomacromolecules</i> , 2016 , 17, 4064-4074	6.9	16
54	Biological performance of cell-encapsulated methacrylated gellan gum-based hydrogels for nucleus pulposus regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 637-648	4.4	36
53	Silk-based anisotropic 3D biotextiles for bone regeneration. <i>Biomaterials</i> , 2017 , 123, 92-106	15.6	37

52	Natural-Based Hydrogels: From Processing to Applications. 2017 , 1-27		5
51	Oxygen-Producing Gellan Gum Hydrogels for Dual Delivery of Either Oxygen or Peroxide with Doxorubicin. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 787-792	5.5	30
50	An interpenetrating network-strengthened and toughened hydrogel that supports cell-based nucleus pulposus regeneration. <i>Biomaterials</i> , 2017 , 136, 12-28	15.6	63
49	3D segmentation of intervertebral discs: from concept to the fabrication of patient-specific scaffolds. <i>Journal of 3D Printing in Medicine</i> , 2017 , 1, 91-101	1.5	13
48	Tissue engineering in orthopaedic sports medicine: current concepts. <i>Journal of ISAKOS</i> , 2017 , 2, 60-66	1.1	4
47	Monocarboxylate transporter 1 is a key player in glioma-endothelial cell crosstalk. <i>Molecular Carcinogenesis</i> , 2017 , 56, 2630-2642	5	24
46	Alginate hydrogel improves anti-angiogenic bevacizumab activity in cancer therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 119, 271-282	5.7	28
45	Management of knee osteoarthritis. Current status and future trends. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 717-739	4.9	53
44	Current strategies for treatment of intervertebral disc degeneration: substitution and regeneration possibilities. <i>Biomaterials Research</i> , 2017 , 21, 22	16.8	61
43	2.11 Polymers of Biological Origin ?. 2017 , 228-252		14
42	Design of Polymeric Culture Substrates to Promote Proangiogenic Potential of Stem Cells. <i>Macromolecular Bioscience</i> , 2018 , 18, 1700340	5.5	
41	3D Nanostructured materials: TiO2 nanoparticles incorporated gellan gum scaffold for photocatalyst and biomedical Applications. <i>Materials Research Express</i> , 2018 , 5, 035039	1.7	9
40	Anti-angiogenic potential of VEGF blocker dendron loaded on to gellan gum hydrogels for tissue engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e669-e678	4.4	15
39	Emerging tumor spheroids technologies for 3D in vitro cancer modeling. <i>Pharmacology & Therapeutics</i> , 2018 , 184, 201-211	13.9	90
38	Sericin/RBA embedded gellan gum based smart nanosystem for pH responsive drug delivery. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 1561-1571	7.9	21
37	Injectable gellan-gum/hydroxyapatite-based bilayered hydrogel composites for osteochondral tissue regeneration. <i>Applied Materials Today</i> , 2018 , 12, 309-321	6.6	29
36	Injectable and tunable hyaluronic acid hydrogels releasing chemotactic and angiogenic growth factors for endodontic regeneration. <i>Acta Biomaterialia</i> , 2018 , 77, 155-171	10.8	66
35	Emerging Concepts in Treating Cartilage, Osteochondral Defects, and Osteoarthritis of the Knee and Ankle. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1059, 25-62	3.6	11

34	A novel thixotropic magnesium phosphate-based bioink with excellent printability for application in 3D printing. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4502-4513	7.3	19
33	Natural Origin Materials for Bone Tissue Engineering: Properties, Processing, and Performance. 2019 , 535-558		5
32	Supramolecular gels of cholesterol-modified gellan gum with disc-like and worm-like micelles. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 301-312	9.3	3
31	Advancement in the Biomedical Applications of the (Nano)gel Structures Based on Particular Polysaccharides. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900187	5.5	20
30	Disordered Mechanical Stress and Tissue Engineering Therapies in Intervertebral Disc Degeneration. <i>Polymers</i> , 2019 , 11,	4.5	10
29	Self-mineralizing Ca-enriched methacrylated gellan gum beads for bone tissue engineering. <i>Acta Biomaterialia</i> , 2019 , 93, 74-85	10.8	39
28	Hydrogel-based magnetoelectric microenvironments for tissue stimulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 1041-1047	6	30
27	Enhanced performance of chitosan/keratin membranes with potential application in peripheral nerve repair. <i>Biomaterials Science</i> , 2019 , 7, 5451-5466	7.4	18
26	Biological Role of Gellan Gum in Improving Scaffold Drug Delivery, Cell Adhesion Properties for Tissue Engineering Applications. <i>Molecules</i> , 2019 , 24,	4.8	29
25	Engineering patient-specific bioprinted constructs for treatment of degenerated intervertebral disc. <i>Materials Today Communications</i> , 2019 , 19, 506-512	2.5	22
24	Comparison of polysaccharides in articular cartilage regeneration associated with chondrogenic and autophagy-related gene expression. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 922-930	7.9	7
23	Development and thorough characterization of the processing steps of an ink for 3D printing for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2020 , 108, 110510	8.3	12
22	Modulating chitosan-PLGA nanoparticle properties to design a co-delivery platform for glioblastoma therapy intended for nose-to-brain route. <i>Drug Delivery and Translational Research</i> , 2020 , 10, 1729-1747	6.2	15
21	Chick embryo chorioallantoic membrane as a suitable in vivo model to evaluate drug delivery systems for cancer treatment: A review. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 153, 273-284	5.7	13
20	3D printing of hydrogels: Rational design strategies and emerging biomedical applications. <i>Materials Science and Engineering Reports</i> , 2020 , 140, 100543	30.9	241
19	Biomimicry of microbial polysaccharide hydrogels for tissue engineering and regenerative medicine - A review. <i>Carbohydrate Polymers</i> , 2020 , 241, 116345	10.3	57
18	Stiffness of photocrosslinkable gelatin hydrogel influences nucleus pulposus cell properties in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 880-891	5.6	8
17	Gellan and xanthan-based nanocomposites for tissue engineering. 2021 , 155-190		1

16	Nanostructured Cellulose-Gellan-Xyloglucan-Lysozyme Dressing Seeded with Mesenchymal Stem Cells for Deep Second-Degree Burn Treatment. <i>International Journal of Nanomedicine</i> , 2021 , 16, 833-850	7.3	2
15	Horseradish Peroxidase-Crosslinked Calcium-Containing Silk Fibroin Hydrogels as Artificial Matrices for Bone Cancer Research. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000425	5.5	2
14	Recent advances of hydrogel-based biomaterials for intervertebral disc tissue treatment: A literature review. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021 , 15, 299-321	4.4	6
13	Nose-to-brain co-delivery of drugs for glioblastoma treatment using nanostructured system. <i>International Journal of Pharmaceutics</i> , 2021 , 603, 120714	6.5	5
12	Biomaterials for Soft Tissue Repair and Regeneration: A Focus on Italian Research in the Field. <i>Pharmaceutics</i> , 2021 , 13,	6.4	5
11	Gellan. 2015 , 1627-1682		6
10	Biogenic inorganic polysilicates (biosilica): formation and biomedical applications. <i>Progress in Molecular and Subcellular Biology</i> , 2013 , 54, 197-234	3	5
9	Enhancing Osteochondral Tissue Regeneration of Gellan Gum by Incorporating Gallus gallus var Domesticus-Derived Demineralized Bone Particle. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1250, 79-93	3.6	1
8	Gellan. 2014 , 1-46		0
7	Regeneration of Intervertebral Disc Using Gellan Sponge Loading PLGA Microspheres. <i>Porrime</i> , 2015 , 39, 144-150	1	1
6	Gellan. 2015 , 1-48		
5	Stimuli-Responsive Polysaccharide-Based Hydrogels. 2016 , 341-382		
4	Cellular and molecular aspects of degenerative disc disease and potential strategies of biological therapy. <i>Klinikist</i> , 2020 , 14, 42-54	0.3	
3	Intradiscal Delivery of Anabolic Growth Factors and a Metalloproteinase Inhibitor in a Rabbit Acute Lumbar Disc Injury Model. <i>International Journal of Spine Surgery</i> , 2020 , 14, 585-593	1.4	1
2	Mucoadhesive Properties of Gellan and Its Modified Derivatives. <i>Reviews and Advances in Chemistry</i> , 2020 , 10, 140-157	0	0
1	Ophthalmic drug delivery system based on the complex of gellan and ofloxacin. <i>Chemical Bulletin of Kazakh National University</i> , 2022 , 4-12	0	