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## Viability and differentiation of neural precursors on hyaluronic acid hydrogel scaffold

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#	Paper	IF	Citations
91	The effects of hyaluronic acid hydrogels with tunable mechanical properties on neural progenitor cell differentiation. <i>Biomaterials</i> , <b>2010</b> , 31, 3930-40	15.6	355
90	Crystal templating dendritic pore networks and fibrillar microstructure into hydrogels. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 2415-21	10.8	30
89	Biomaterials for Brain Tissue Engineering. <i>Australian Journal of Chemistry</i> , <b>2010</b> , 63, 1143	1.2	80
88	High molecular weight hyaluronic acid limits astrocyte activation and scar formation after spinal cord injury. <i>Journal of Neural Engineering</i> , <b>2011</b> , 8, 046033	5	130
87	Hydrogels in spinal cord injury repair strategies. <i>ACS Chemical Neuroscience</i> , <b>2011</b> , 2, 336-45	5.7	118
86	Injectable Polymers. <b>2011</b> , 631-664		1
85	Progenitor Cell Therapy for Neurological Injury. <b>2011</b> ,		
84	Utilizing cell-matrix interactions to modulate gene transfer to stem cells inside hyaluronic acid hydrogels. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 1582-91	5.6	68
83	A Mini Review on Interactions Between Neural Stem Cells and Biomaterials. <i>Recent Patents on Regenerative Medicine</i> , <b>2011</b> , 1, 19-29		
82	Neural stem cell niches: roles for the hyaluronan-based extracellular matrix. <i>Frontiers in Bioscience - Scholar</i> , <b>2011</b> , 3, 1165-79	2.4	110
81	Biopolymer-based hydrogels as scaffolds for tissue engineering applications: a review. <i>Biomacromolecules</i> , <b>2011</b> , 12, 1387-408	6.9	1282
80	The spreading, migration and proliferation of mouse mesenchymal stem cells cultured inside hyaluronic acid hydrogels. <i>Biomaterials</i> , <b>2011</b> , 32, 39-47	15.6	215
79	Scaffold-based approach to direct stem cell neural and cardiovascular differentiation: an analysis of physical and biochemical effects. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 97, 355-74	5.4	27
78	Central Nervous System Tissue Engineering: Current Considerations and Strategies. <b>2011</b> , 3, 1-120		4
77	Cell Encapsulation. <b>2011</b> , 115-130		1
76	Building biocompatible hydrogels for tissue engineering of the brain and spinal cord. <i>Journal of Functional Biomaterials</i> , <b>2012</b> , 3, 839-63	4.8	51
75	Differentiation of human neural progenitor cells in functionalized hydrogel matrices. <i>BioResearch Open Access</i> , <b>2012</b> , 1, 16-24	2.4	21

74	Therapeutic stem cells encapsulated in a synthetic extracellular matrix selectively kill tumor cells, delay tumor growth, and increase survival in a mouse resection model of malignant glioma. <i>Neurosurgery</i> , <b>2012</b> , 70, N17-9	3.2	4
73	Scaffold: a novel carrier for cell and drug delivery. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , <b>2012</b> , 29, 1-63	2.8	334
72	Design and characterization of microporous hyaluronic acid hydrogels for in vitro gene transfer to mMSCs. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3921-31	10.8	34
71	Engineering therapies in the CNS: what works and what can be translated. <i>Neuroscience Letters</i> , <b>2012</b> , 519, 147-54	3.3	12
70	Advances in natural biomaterials for nerve tissue repair. <i>Neuroscience Letters</i> , <b>2012</b> , 519, 103-14	3.3	111
69	Polydopamine-mediated surface modification of scaffold materials for human neural stem cell engineering. <i>Biomaterials</i> , <b>2012</b> , 33, 6952-64	15.6	273
68	Photocrosslinkable chitosan based hydrogels for neural tissue engineering. <i>Soft Matter</i> , <b>2012</b> , 8, 1964-1976	3.76	98
67	Novel soft alginate hydrogel strongly supports neurite growth and protects neurons against oxidative stress. <i>Tissue Engineering - Part A</i> , <b>2012</b> , 18, 55-66	3.9	74
66	Hyaluronic acid-based scaffold for central neural tissue engineering. <i>Interface Focus</i> , <b>2012</b> , 2, 278-91	3.9	87
65	Biofunctionalized bacterial cellulose membranes by cold plasmas. <i>Cellulose</i> , <b>2012</b> , 19, 1975-1988	5.5	24
64	Modeling neural differentiation on micropatterned substrates coated with neural matrix components. <i>Frontiers in Cellular Neuroscience</i> , <b>2012</b> , 6, 10	6.1	18
63	Using polymeric materials to control stem cell behavior for tissue regeneration. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , <b>2012</b> , 96, 63-81		34
62	Encapsulated therapeutic stem cells implanted in the tumor resection cavity induce cell death in gliomas. <i>Nature Neuroscience</i> , <b>2011</b> , 15, 197-204	25.5	168
61	Mesenchymal stem cells engineered for cancer therapy. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 739-488.5	48.5	238
60	Biodegradable parallel and porous HSPG/collagen scaffolds for the in vitro culture of NSCs for the spinal cord tissue engineering. <i>Journal of Porous Materials</i> , <b>2012</b> , 19, 173-180	2.4	4
59	Hyaluronic Acid Catechol: A Biopolymer Exhibiting a pH-Dependent Adhesive or Cohesive Property for Human Neural Stem Cell Engineering. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1774-1780	15.6	193
58	A novel family of biodegradable hybrid hydrogels from arginine-based poly(ester amide) and hyaluronic acid precursors. <i>Soft Matter</i> , <b>2013</b> , 9, 3965	3.6	40
57	Directing neural stem cell fate with biomaterial parameters for injured brain regeneration. <i>Progress in Natural Science: Materials International</i> , <b>2013</b> , 23, 103-112	3.6	30

56	Hyaluronic acid based scaffolds for tissue engineering--a review. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 1262-70.3	70.3	717
55	Advances in stem cell therapy against gliomas. <i>Trends in Molecular Medicine</i> , <b>2013</b> , 19, 281-91	11.5	42
54	Encapsulated stem cells for cancer therapy. <i>Biomatter</i> , <b>2013</b> , 3,		29
53	Influence of modified alginate hydrogels on mesenchymal stem cells and olfactory bulb-derived glial cells cultures. <i>Bio-Medical Materials and Engineering</i> , <b>2014</b> , 24, 1625-37	1	8
52	Genetically Engineered Mesenchymal Stem Cells. <b>2014</b> , 1-36		1
51	Patterned and functionalized nanofiber scaffolds in three-dimensional hydrogel constructs enhance neurite outgrowth and directional control. <i>Journal of Neural Engineering</i> , <b>2014</b> , 11, 066009	5	58
50	Non-viral DNA delivery from porous hyaluronic acid hydrogels in mice. <i>Biomaterials</i> , <b>2014</b> , 35, 825-35	15.6	71
49	Biologic scaffold for CNS repair. <i>Regenerative Medicine</i> , <b>2014</b> , 9, 367-83	2.5	34
48	The experimental therapy on brain ischemia by improvement of local angiogenesis with tissue engineering in the mouse. <i>Cell Transplantation</i> , <b>2014</b> , 23 Suppl 1, S83-95	4	46
47	New adipose tissue formation by human adipose-derived stem cells with hyaluronic acid gel in immunodeficient mice. <i>International Journal of Medical Sciences</i> , <b>2015</b> , 12, 154-62	3.7	20
46	Potential of neural stem cell-based therapies for Alzheimer's disease. <i>Journal of Neuroscience Research</i> , <b>2015</b> , 93, 1313-24	4.4	24
45	Stem Cell-Based Therapies for Cancer. <i>Advances in Cancer Research</i> , <b>2015</b> , 127, 159-89	5.9	10
44	Hyaluronic acid and neural stem cells: implications for biomaterial design. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 7850-7866	7.3	38
43	Gelatin-Hyaluronic Acid Hydrogels with Tuned Stiffness to Counterbalance Cellular Forces and Promote Cell Differentiation. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 1311-24	5.5	40
42	Rapid Induction of Cerebral Organoids From Human Induced Pluripotent Stem Cells Using a Chemically Defined Hydrogel and Defined Cell Culture Medium. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 970-9	6.9	76
41	Response to di-functionalized hyaluronic acid with orthogonal chemistry grafting at independent modification sites in rodent models of neural differentiation and spinal cord injury. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 6865-6875	7.3	12
40	Hyaluronan based hydrogels provide an improved model to study megakaryocyte-matrix interactions. <i>Experimental Cell Research</i> , <b>2016</b> , 346, 1-8	4.2	21
39	Fabrication and characterization of gels with integrated channels using 3D printing with microfluidic nozzle for tissue engineering applications. <i>Biomedical Microdevices</i> , <b>2016</b> , 18, 17	3.7	70

38	Emerging roles of hyaluronic acid bioscaffolds in tissue engineering and regenerative medicine. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 86, 917-28	7.9	141
37	Design and Engineering of Neural Tissues. <b>2017</b> , 603-654		1
36	Natural biomaterials for engineering neural tissue from stem cells. <b>2017</b> , 89-125		1
35	Injectable uncrosslinked biomimetic hydrogels as candidate scaffolds for neural stem cell delivery. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 790-805	5.4	21
34	5.9 Cell Encapsulation ?. <b>2017</b> , 154-174		2
33	Oral nerve tissue repair and regeneration. <b>2017</b> , 319-336		
32	Hyaluronan size alters chondrogenesis of adipose-derived stem cells via the CD44/ERK/SOX-9 pathway. <i>Acta Biomaterialia</i> , <b>2018</b> , 66, 224-237	10.8	29
31	Current and novel polymeric biomaterials for neural tissue engineering. <i>Journal of Biomedical Science</i> , <b>2018</b> , 25, 90	13.3	144
30	Hydrogel-assisted neuroregeneration approaches towards brain injury therapy: A state-of-the-art review. <i>Computational and Structural Biotechnology Journal</i> , <b>2018</b> , 16, 488-502	6.8	49
29	Manipulation of Extracellular Matrix Remodeling and Neurite Extension by Mouse Embryonic Stem Cells Using IKVAV and LRE Peptide Tethering in Hyaluronic Acid Matrices. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3009-3020	6.9	7
28	Cost-Effective Cosmetic-Grade Hyaluronan Hydrogels for ReNcell VM Human Neural Stem Cell Culture. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	3
27	Functional detection of the original generation of hippocampal cells planted on to the micro-fluidic chip with artificial neuronal network using the patch clamp recording technique: a preliminary study. <i>International Journal of Neuroscience</i> , <b>2019</b> , 129, 430-437	2	
26	Chitosan-g-oligo(L,L-lactide) copolymer hydrogel for nervous tissue regeneration in glutamate excitotoxicity: in vitro feasibility evaluation. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> , 15, 015011	3.5	12
25	Hyaluronic Acid/Polylysine Composites for Local Drug Delivery: A Review. <i>Key Engineering Materials</i> , <b>2020</b> , 850, 213-218	0.4	3
24	Hyaluronic Acid: Redefining Its Role. <i>Cells</i> , <b>2020</b> , 9,	7.9	49
23	Protective Mechanism and Treatment of Neurogenesis in Cerebral Ischemia. <i>Neurochemical Research</i> , <b>2020</b> , 45, 2258-2277	4.6	4
22	Effect of Laminin Derived Peptides IKVAV and LRE Tethered to Hyaluronic Acid on hiPSC Derived Neural Stem Cell Morphology, Attachment and Neurite Extension. <i>Journal of Functional Biomaterials</i> , <b>2020</b> , 11,	4.8	4
21	Combination of IKVAV, LRE, and GPQGIWQG Bioactive Signaling Peptides Increases Human Induced Pluripotent Stem Cell Derived Neural Stem Cells Extracellular Matrix Remodeling and Neurite Extension. <i>Advanced Biology</i> , <b>2020</b> , 4, e2000084	3.5	3

20	Central nervous system responses to biomaterials. <b>2020</b> , 507-554		0
19	Coating Materials for Neural Stem/Progenitor Cell Culture and Differentiation. <i>Stem Cells and Development</i> , <b>2020</b> , 29, 463-474	4.4	10
18	Analysis of neurite length of hippocampal neurons cultured into 3D artificial network patterned microfluidic chips. <i>International Journal of Neuroscience</i> , <b>2021</b> , 131, 40-43	2	1
17	Evaluation of the Effect of Hyaluronic Acid-Based Biomaterial Enriched With Tenascin-C on the Behavior of the Neural Stem Cells. <i>International Journal of Toxicology</i> , <b>2021</b> , 40, 218-225	2.4	1
16	On the road to the brain-on-a-chip: a review on strategies, methods, and applications. <i>Journal of Neural Engineering</i> , <b>2021</b> , 18,	5	9
15	Recent advances and prospects of hyaluronan as a multifunctional therapeutic system. <i>Journal of Controlled Release</i> , <b>2021</b> , 336, 598-620	11.7	16
14	SARS-CoV-2 and tissue damage: current insights and biomaterial-based therapeutic strategies. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2804-2824	7.4	1
13	Stem Cell Delivery Methods and Routes. <b>2011</b> , 47-68		1
12	Neural Tissue Engineering. <b>2011</b> , 489-510		1
11	CHAPTER 8:Thiol-X Reactions in Tissue Engineering. <i>RSC Polymer Chemistry Series</i> , <b>2013</b> , 165-194	1.3	2
10	Stem Cell-Mediated TRAIL Therapy for Highly Aggressive Brain Tumors. 39-56		
9	Biomimetic Materials: Polymeric Substrates for Axonal Regeneration. 913-931		
8	Neural Tissue Engineering: Applications. 5678-5692		
7	Application of microfluidic systems for neural differentiation of cells. <i>Precision Nanomedicine</i> , <b>2019</b> , 2, 370-381	1.2	1
6	Synthesis of an Enzyme-Mediated Reversible Cross-linked Hydrogel for Cell Culture. <i>Biomacromolecules</i> , <b>2021</b> ,	6.9	0
5	An aligned fibrous and thermosensitive hyaluronic acid-puramatrix interpenetrating polymer network hydrogel with mechanical properties adjusted for neural tissue. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 2883	4.3	1
4	Design and Fabrication of Polymeric Hydrogel Carrier for Nerve Repair.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	2
3	Donors for nerve transplantation in craniofacial soft tissue injuries. 10,		0

2 Advancements and Utilizations of Scaffolds in Tissue Engineering and Drug Delivery. **2022**, 23, ○

1 Neuromorphic-Based Neuroprostheses for Brain Rewiring: State-of-the-Art and Perspectives in Neuroengineering. **2022**, 12, 1578 ○