

# Combination of Hyaluronic Acid Hydrogel Scaffold and Survival of Neural Stem Cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mechanisms and promotion of 3D neurite bridging between PHBV microspheres in a microsphere-hydrogel hybrid scaffold. <i>Soft Matter</i> , 2011, 7, 11372.	1.2	8
2	Engineering therapies in the CNS: What works and what can be translated. <i>Neuroscience Letters</i> , 2012, 519, 147-154.	1.0	13
3	Advances in natural biomaterials for nerve tissue repair. <i>Neuroscience Letters</i> , 2012, 519, 103-114.	1.0	127
4	Polydopamine-mediated surface modification of scaffold materials for human neural stem cell engineering. <i>Biomaterials</i> , 2012, 33, 6952-6964.	5.7	311
5	Neo-vascularization of the stroke cavity by implantation of human neural stem cells on VEGF-releasing PLGA microparticles. <i>Biomaterials</i> , 2012, 33, 7435-7446.	5.7	126
6	Recent trends in cancer drug resistance reversal strategies using nanoparticles. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 287-301.	2.4	42
7	Hyaluronic acid-based scaffold for central neural tissue engineering. <i>Interface Focus</i> , 2012, 2, 278-291.	1.5	114
8	Stem cell therapy in stroke: Where are we now?. <i>Sang Thrombose Vaisseaux</i> , 2012, 24, 119-124.	0.1	0
9	Processing and Templating of Bioactive-Loaded Polymeric Neural Architectures: Challenges and Innovative Strategies. , 2012, , .		2
10	Ferrocene/chitosan scaffolds with three-dimensional oriented structure. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012, 30, 436-442.	2.0	20
11	Mild method for the agglomeration of dispersed polycaprolactone microspheres via a genipin-crosslinked gelatin hydrogel. <i>Journal of Applied Polymer Science</i> , 2013, 129, 689-698.	1.3	3
12	The Potential for Stem Cells in Cerebral Palsy-Piecing Together the Puzzle. <i>Seminars in Pediatric Neurology</i> , 2013, 20, 146-153.	1.0	13
13	The Development of a $\beta$ -Polycaprolactone Scaffold for Central Nervous System Repair. <i>Tissue Engineering - Part A</i> , 2013, 19, 497-507.	1.6	32
14	New PLGA-P188-PLGA matrix enhances TGF- $\beta$ 3 release from pharmacologically active microcarriers and promotes chondrogenesis of mesenchymal stem cells. <i>Journal of Controlled Release</i> , 2013, 170, 99-110.	4.8	80
15	A novel family of biodegradable hybrid hydrogels from arginine-based poly(ester amide) and hyaluronic acid precursors. <i>Soft Matter</i> , 2013, 9, 3965.	1.2	46
16	Naturally and synthetic smart composite biomaterials for tissue regeneration. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 471-496.	6.6	308
17	Directing neural stem cell fate with biomaterial parameters for injured brain regeneration. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 103-112.	1.8	36
18	Bioresponsive hydrogel scaffolding systems for 3D constructions in tissue engineering and regenerative medicine. <i>Nanomedicine</i> , 2013, 8, 655-668.	1.7	33

#	ARTICLE	IF	CITATIONS
19	Materials for Central Nervous System Tissue Engineering. , 0, , .		5
20	In vivo bioluminescence imaging for viable human neural stem cells incorporated within in situ gelatin hydrogels. EJMNM Research, 2014, 4, 61.	1.1	3
21	Approaches for Neural Tissue Regeneration. Stem Cell Reviews and Reports, 2014, 10, 44-59.	5.6	46
22	Nanoparticulate strategies for the five Râ€™s of traumatic spinal cord injury intervention: restriction, repair, regeneration, restoration and reorganization. Nanomedicine, 2014, 9, 331-348.	1.7	15
23	Electrospun gelatin scaffolds incorporating rat decellularized brain extracellular matrix for neural tissue engineering. Biomaterials, 2014, 35, 1205-1214.	5.7	177
24	Vascular Mechanisms in CNS Trauma. , 2014, , .		4
25	Advanced biomaterials for repairing the nervous system: what can hydrogels do for the brain?. Materials Today, 2014, 17, 332-340.	8.3	77
26	Enhancing Effect of Glucose Microspheres in the Viability of Human Mesenchymal Stem Cell Suspensions for Clinical Administration. Pharmaceutical Research, 2014, 31, 3515-3528.	1.7	11
27	Enhancing neuronal growth from human endometrial stem cells derived neuronâ€™like cells in threeâ€™dimensional fibrin gel for nerve tissue engineering. Journal of Biomedical Materials Research - Part A, 2014, 102, 2533-2543.	2.1	46
28	Neural differentiation of pluripotent cells in 3D alginate-based cultures. Biomaterials, 2014, 35, 4636-4645.	5.7	91
29	Drug-Eluting Nasal Implants: Formulation, Characterization, Clinical Applications and Challenges. Pharmaceutics, 2014, 6, 249-267.	2.0	39
30	The Experimental Therapy on Brain Ischemia by Improvement of Local Angiogenesis with Tissue Engineering in the Mouse. Cell Transplantation, 2014, 23, 83-95.	1.2	60
31	A poly(lactideâ€™coâ€™glycolide) film loaded with abundant bone morphogenetic proteinâ€™2: A substrateâ€™promoting osteoblast attachment, proliferation, and differentiation in bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2015, 103, 2786-2796.	2.1	16
32	Comparing different methods to fix and to dehydrate cells on alginate hydrogel scaffolds using scanning electron microscopy. Microscopy Research and Technique, 2015, 78, 553-561.	1.2	24
33	Endogenous Repair Signaling after Brain Injury and Complementary Bioengineering Approaches to Enhance Neural Regeneration. Biomarker Insights, 2015, 10s1, BMI.S20062.	1.0	31
34	Functionalized Î±-Helical Peptide Hydrogels for Neural Tissue Engineering. ACS Biomaterials Science and Engineering, 2015, 1, 431-439.	2.6	59
35	3D Printing with Nucleic Acid Adhesives. ACS Biomaterials Science and Engineering, 2015, 1, 19-26.	2.6	23
36	Bioâ€™interface of Conducting Polymerâ€™Based Materials for Neuroregeneration. Advanced Materials Interfaces, 2015, 2, 1500059.	1.9	33

#	ARTICLE	IF	CITATIONS
37	Hyaluronic acid and neural stem cells: implications for biomaterial design. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7850-7866.	2.9	50
38	Enhancing neural stem cell response to SDF-1 $\alpha$ gradients through hyaluronic acid-laminin hydrogels. <i>Biomaterials</i> , 2015, 72, 11-19.	5.7	63
39	Biomimetic niche for neural stem cell differentiation using poly-L-lysine/hyaluronic acid multilayer films. <i>Journal of Biomaterials Applications</i> , 2015, 29, 1418-1427.	1.2	15
40	Strategies to Optimize Adult Stem Cell Therapy for Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2016, 17, 982.	1.8	111
41	Bioactive polymer nanocomposites for spinal cord tissue engineering. , 2016, , 143-159.		0
42	Extracellular matrix-derived tissues for neurological applications. , 2016, , 83-118.		3
43	Biomaterial Applications in Cell-Based Therapy in Experimental Stroke. <i>Stem Cells International</i> , 2016, 2016, 1-14.	1.2	46
44	5-Fluorouracil microencapsulation and impregnation in hyaluronic acid hydrogel as composite drug delivery system for ocular fibrosis. <i>Cogent Medicine</i> , 2016, 3, 1182108.	0.7	5
45	Ordered self-assembled monolayers terminated with different chemical functional groups direct neural stem cell lineage behaviours. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 014107.	1.7	7
46	Fabrication and surface modification of poly lactic acid (PLA) scaffolds with epidermal growth factor for neural tissue engineering. <i>Biomatter</i> , 2016, 6, e1231276.	2.6	52
48	Encapsulation-free controlled release: Electrostatic adsorption eliminates the need for protein encapsulation in PLGA nanoparticles. <i>Science Advances</i> , 2016, 2, e1600519.	4.7	122
49	Angiogenic microspheres promote neural regeneration and motor function recovery after spinal cord injury in rats. <i>Scientific Reports</i> , 2016, 6, 33428.	1.6	64
50	Spinal cord injury repair by implantation of structured hyaluronic acid scaffold with PLGA microspheres in the rat. <i>Cell and Tissue Research</i> , 2016, 364, 17-28.	1.5	59
51	Microfluidic engineering of neural stem cell niches for fate determination. <i>Biomicrofluidics</i> , 2017, 11, 014106.	1.2	22
52	Preparation, characterization and in vivo evaluation of a combination delivery system based on hyaluronic acid/jeffamine hydrogel loaded with PHBV/PLGA blend nanoparticles for prolonged delivery of Teriparatide. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 167-181.	1.9	20
53	A facile one-step gelation approach simultaneously combining physical and chemical cross-linking for the preparation of injectable hydrogels. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3145-3153.	2.9	6
55	Synthetic biomaterials for engineering neural tissue from stem cells. , 2017, , 127-158.		3
56	Injectable uncrosslinked biomimetic hydrogels as candidate scaffolds for neural stem cell delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 790-805.	2.1	27

#	ARTICLE	IF	CITATIONS
57	Competitive Affinity Release for Longâ€Term Delivery of Antibodies from Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3406-3410.	7.2	32
58	Graphene Oxide-Based Biocompatible 3D Mesh with a Tunable Porosity and Tensility for Cell Culture. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1505-1517.	2.6	3
59	3D tissue engineering, an emerging technique for pharmaceutical research. <i>Acta Pharmaceutica Sinica B</i> , 2018, 8, 756-766.	5.7	49
60	Competitive Affinity Release for Longâ€Term Delivery of Antibodies from Hydrogels. <i>Angewandte Chemie</i> , 2018, 130, 3464-3468.	1.6	8
61	In Vitro Microfluidic Models for Neurodegenerative Disorders. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700489.	3.9	98
62	Current and novel polymeric biomaterials for neural tissue engineering. <i>Journal of Biomedical Science</i> , 2018, 25, 90.	2.6	302
63	Stem Cell- and Biomaterial-Based Neural Repair for Enhancing Spinal Axonal Regeneration. , 2018, , 59-84.		1
64	Hydrogel-assisted neuroregeneration approaches towards brain injury therapy: A state-of-the-art review. <i>Computational and Structural Biotechnology Journal</i> , 2018, 16, 488-502.	1.9	77
65	3D bioprinting models of neural tissues: The current state of the field and future directions. <i>Brain Research Bulletin</i> , 2019, 150, 240-249.	1.4	32
66	Preparation and in vitro evaluation of radiolabeled HA-PLGA nanoparticles as novel MTX delivery system for local treatment of rheumatoid arthritis. <i>Materials Science and Engineering C</i> , 2019, 103, 109766.	3.8	63
67	Biohybrids of scaffolding hyaluronic acid biomaterials plus adipose stem cells home local neural stem and endothelial cells: Implications for reconstruction of brain lesions after stroke. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1598-1606.	1.6	17
68	Pharmacological therapies and factors delivery for spinal cord injury regeneration. , 2020, , 223-248.		1
69	Fabrication of versatile dynamic hyaluronic acid-based hydrogels. <i>Carbohydrate Polymers</i> , 2020, 233, 115803.	5.1	83
70	Hyaluronic Acid: Redefining Its Role. <i>Cells</i> , 2020, 9, 1743.	1.8	208
71	Coating Materials for Neural Stem/Progenitor Cell Culture and Differentiation. <i>Stem Cells and Development</i> , 2020, 29, 463-474.	1.1	20
72	Progress toward finding the perfect match: hydrogels for treatment of central nervous system injury. <i>Materials Today Advances</i> , 2020, 6, 100039.	2.5	22
73	Natural and synthetic polymeric scaffolds used in peripheral nerve tissue engineering: Advantages and disadvantages. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2267-2289.	1.6	43
74	Alginate hydrogel: The influence of the hardening on the rheological behaviour. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 116, 104341.	1.5	17

#	ARTICLE	IF	CITATIONS
75	Biomaterials for Neural Tissue Engineering. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	2.4	52
76	Neural Stem Cell-Laden Self-Healing Polysaccharide Hydrogel Transplantation Promotes Neurogenesis and Functional Recovery after Cerebral Ischemia in Rats. <i>ACS Applied Bio Materials</i> , 2021, 4, 3046-3054.	2.3	5
77	Design Challenges in Polymeric Scaffolds for Tissue Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 617141.	2.0	82
78	Types of biomaterials useful in brain repair. <i>Neurochemistry International</i> , 2021, 146, 105034.	1.9	4
79	Cryogel biomaterials for neuroscience applications. <i>Neurochemistry International</i> , 2021, 147, 105012.	1.9	24
80	Soft matter polysaccharide-based hydrogels as versatile bioengineered platforms for brain tissue repair and regeneration. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1091-1111.	3.6	10
81	Formulation strategies for bacteriophages to target intracellular bacterial pathogens. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113864.	6.6	31
82	Extracellular Matrixâ€Mimetic Hydrogels for Treating Neural Tissue Injury: A Focus on Fibrin, Hyaluronic Acid, and Elastinâ€Like Polypeptide Hydrogels. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101329.	3.9	41
83	Hyaluronic acid hydrogels, as a biological macromolecule-based platform for stem cells delivery and their fate control: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 554-566.	3.6	28
85	Recent Advances in Extracellular Matrix for Engineering Stem Cell Responses. <i>Current Medicinal Chemistry</i> , 2019, 26, 6321-6338.	1.2	7
86	Nanotechnology-based Targeting of Neurodegenerative Disorders: A Promising Tool for Efficient Delivery of Neuromedicines. <i>Current Drug Targets</i> , 2020, 21, 819-836.	1.0	7
87	Biomaterials for CNS Injury. , 2014, , 333-352.		0
88	Biomimetic Materials: Polymeric Substrates for Axonal Regeneration. , 0, , 913-931.		0
89	PLGA Nano- and Microparticles for VEGF Delivery. , 2016, , 445-478.		0
90	Dual-function hydrogels with sequential release of GSK3 <sup>Î²</sup> inhibitor and VEGF inhibit inflammation and promote angiogenesis after stroke. <i>Chemical Engineering Journal</i> , 2022, 433, 133671.	6.6	20
91	Nanobiomaterials for regenerative medicine. , 2022, , 141-187.		2
92	Implantable Immunosuppressant Delivery to Prevent Rejection in Transplantation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1592.	1.8	7
93	Electroactive Scaffolds to Improve Neural Stem Cell Therapy for Spinal Cord Injury. <i>Frontiers in Medical Technology</i> , 2022, 4, 693438.	1.3	10

#	ARTICLE	IF	CITATIONS
94	Emerging scaffold- and cellular-based strategies for brain tissue regeneration and imaging. <i>In Vitro Models</i> , 2022, 1, 129-150.	1.0	8
95	Micro- and nanotechnology in biomedical engineering for cartilage tissue regeneration in osteoarthritis. <i>Beilstein Journal of Nanotechnology</i> , 2022, 13, 363-389.	1.5	12
97	Fractone Stem Cell Niche Components Provide Intuitive Clues in the Design of New Therapeutic Procedures/Biomatrices for Neural Repair. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5148.	1.8	5
98	Transplantation of layer-by-layer assembled neural stem cells tethered with vascular endothelial growth factor reservoir promotes neurogenesis and angiogenesis after ischemic stroke in mice. <i>Applied Materials Today</i> , 2022, 28, 101548.	2.3	5
99	Porous Silicon Nanoparticles Targeted to the Extracellular Matrix for Therapeutic Protein Delivery in Traumatic Brain Injury. <i>Bioconjugate Chemistry</i> , 0, , .	1.8	7
100	3D-printed hyaluronic acid hydrogel scaffolds impregnated with neurotrophic factors (BDNF, GDNF) for post-traumatic brain tissue reconstruction. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	7
101	<i>Sustainable Biopolymers</i> , 2022, , 1-31.		0
102	Encapsulation of MSCs and GDNF in an Injectable Nanoreinforced Supramolecular Hydrogel for Brain Tissue Engineering. <i>Biomacromolecules</i> , 2022, 23, 4629-4644.	2.6	6
103	Hyaluronic Acid Scaffolds for Loco-Regional Therapy in Nervous System Related Disorders. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12174.	1.8	8
104	<i>Sustainable Biopolymers</i> , 2023, , 1-31.		0
105	Advancements in Hydrogel Application for Ischemic Stroke Therapy. <i>Gels</i> , 2022, 8, 777.	2.1	6
106	The potential of hydrogels as a niche for promoting neurogenesis and regulating neuroinflammation in ischemic stroke. <i>Materials and Design</i> , 2023, 229, 111916.	3.3	1
107	<i>Sustainable Biopolymers</i> , 2023, , 319-349.		0
112	Polysaccharide-based responsive hydrogels for nerve regeneration., 2024, , 429-455.		0