CITATION REPORT List of articles citing

Hyaluronic acid-poly-D-lysine-based three-dimensional hydrogel for traumatic brain injury

DOI: 10.1089/ten.2005.11.513 Tissue Engineering, 2005, 11, 513-25.

Source: https://exaly.com/paper-pdf/39483707/citation-report.pdf

Version: 2024-04-28

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
183	Chapter 2 Animal and human trials of engineered tissues. 2006 , 8, 91-233		
182	Potential of stem cell based therapy and tissue engineering in the regeneration of the central nervous system. <i>Biomedical Materials (Bristol)</i> , 2006 , 1, R38-44	3.5	22
181	Bioengineered strategies for spinal cord repair. 2006 , 23, 496-507		172
180	Anisotropic three-dimensional peptide channels guide neurite outgrowth within a biodegradable hydrogel matrix. <i>Biomedical Materials (Bristol)</i> , 2006 , 1, 162-9	3.5	55
179	Implantation of a new porous gelatin-siloxane hybrid into a brain lesion as a potential scaffold for tissue regeneration. 2006 , 26, 1263-73		63
178	Influence of cross-linked hyaluronic acid hydrogels on neurite outgrowth and recovery from spinal cord injury. 2007 , 6, 133-40		73
177	Superior survival and durability of neurons and astrocytes on 3-dimensional aragonite biomatrices. <i>Tissue Engineering</i> , 2007 , 13, 461-72		54
176	Poly(epsilon-caprolactone) and poly (L-lactic-co-glycolic acid) degradable polymer sponges attenuate astrocyte response and lesion growth in acute traumatic brain injury. <i>Tissue Engineering</i> , 2007 , 13, 2515-23		66
175	An experimental test of stroke recovery by implanting a hyaluronic acid hydrogel carrying a Nogo receptor antibody in a rat model. <i>Biomedical Materials (Bristol)</i> , 2007 , 2, 233-40	3.5	52
174	Three-dimensional Gelatin and Gelatin/Hyaluronan Hydrogel Structures for Traumatic Brain Injury. 2007 , 22, 19-29		98
173	Unilateral implantation of dopamine-loaded biodegradable hydrogel in the striatum attenuates motor abnormalities in the 6-hydroxydopamine model of hemi-parkinsonism. 2007 , 184, 11-8		34
172	Layer-by-layer assembly of polyelectrolyte films improving cytocompatibility to neural cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 81, 355-62	5.4	34
171	Enhanced neuronal differentiation in a three-dimensional collagen-hyaluronan matrix. 2007 , 85, 2138-4	16	135
170	Hydrogels for tissue engineering and delivery of tissue-inducing substances. 2007, 96, 2197-223		110
169	Vascular endothelial growth factor promotes brain tissue regeneration with a novel biomaterial polydimethylsiloxane-tetraethoxysilane. 2007 , 1132, 29-35		31
168	Approaches to neural tissue engineering using scaffolds for drug delivery. 2007, 59, 325-38		285
167	Polylysine-functionalised thermoresponsive chitosan hydrogel for neural tissue engineering. <i>Biomaterials</i> , 2007 , 28, 441-9	15.6	260

166	Cnidarians biomineral in tissue engineering: a review. 2008 , 10, 343-9	4
165	Main properties and current applications of some polysaccharides as biomaterials. 2008, 57, 397-430	699
164	Aragonite crystalline matrix as an instructive microenvironment for neural development. 2008, 2, 463-71	12
163	Self-crosslinkable hydrogels composed of partially oxidized hyaluronan and gelatin: in vitro and in vivo responses. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 85, 352-65	35
162	Neural tissue engineering of the CNS using hydrogels. 2008 , 87, 251-63	121
161	The effect of modified polysialic acid based hydrogels on the adhesion and viability of primary neurons and glial cells. <i>Biomaterials</i> , 2008 , 29, 1880-91	42
160	Biomimetic material systems for neural progenitor cell-based therapy. 2008 , 13, 806-21	86
159	Implantation of neural stem cells embedded in hyaluronic acid and collagen composite conduit promotes regeneration in a rabbit facial nerve injury model. 2008 , 6, 67	58
158	Biomaterials for the central nervous system. 2008 , 5, 957-75	172
157	Hydrogels from polysaccharide-based materials: Fundamentals and applications in regenerative medicine. 2008 , 485-514	7
156	Beyond the skeleton: Cnidarian biomaterials as bioactive extracellular microenvironments for tissue engineering. 2008 , 4, 18-22	15
155	Development, molecular composition and freeze tolerance of bovine embryos cultured in TCM-199 supplemented with hyaluronan. 2008 , 16, 39-47	19
154	Brain cortex regeneration affected by scaffold architectures. 2008 , 109, 715-22	39
153	Functionalization of Polymer Surface for Nerve Repair. 2008, 21, 231-244	4
152	Gelatin-siloxane hybrid scaffolds with vascular endothelial growth factor induces brain tissue regeneration. 2008 , 5, 112-7	16
151	Tissue Therapy: Central Nervous System. 2008 , 1248-1269	
150	Hyaluronic Acid Hydrogel Modified with Nogo-66 Receptor Antibody and Poly(L-Lysine) Enhancement of Adherence and Survival of Primary Hippocampal Neurons. 2009 , 24, 205-219	22
149	Enhancing neurite outgrowth from primary neurones and neural stem cells using thermoresponsive hydrogel scaffolds for the repair of spinal cord injury. <i>Journal of Biomedical Materials Research</i> - 5.4 <i>Part A</i> , 2009 , 89, 24-35	43

148	Biocompatibility of amphiphilic diblock copolypeptide hydrogels in the central nervous system. <i>Biomaterials</i> , 2009 , 30, 2881-98	15.6	119
147	Therapeutic strategy for ischemic stroke. 2009 , 34, 707-10		12
146	Development of biomaterial scaffold for nerve tissue engineering: Biomaterial mediated neural regeneration. 2009 , 16, 108		383
145	Development of hyaluronic acid-based scaffolds for brain tissue engineering. <i>Acta Biomaterialia</i> , 2009 , 5, 2371-84	10.8	113
144	Preparation and characterization of fibroin/hyaluronic acid composite scaffold. <i>International Journal of Biological Macromolecules</i> , 2009 , 44, 372-8	7.9	55
143	Adhesion molecule-modified biomaterials for neural tissue engineering. 2009 , 2, 6		71
142	Thrombospondin 2-null mice display an altered brain foreign body response to polyvinyl alcohol sponge implants. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 015010	3.5	9
141	Forever young: how to control the elongation, differentiation, and proliferation of cells using nanotechnology. 2009 , 18, 1047-58		17
140	Gene and stem cell therapy in ischemic stroke. 2009 , 18, 999-1002		26
139	Atomic Force Microscope Lithography on Biomimetic Surfaces. 2010 , 15-46		1
138	Compressive strain rate sensitivity of ballistic gelatin. 2010 , 43, 420-5		81
137	Synthesis and characterization of a Hyaluronan-polyethylene copolymer for biomedical applications. 2010 , 94, 441-6		7
136	Hyaluronic acid hydrogel modified with nogo-66 receptor antibody and poly-L-lysine to promote axon regrowth after spinal cord injury. 2010 , 95, 110-7		76
135	Microporous cell-laden hydrogels for engineered tissue constructs. 2010 , 106, 138-48		72
134	Injectable biodegradable hydrogels with tunable mechanical properties for the stimulation of neurogenesic differentiation of human mesenchymal stem cells in 3D culture. <i>Biomaterials</i> , 2010 , 31, 1148-57	15.6	209
133	Hydrogel/electrospun fiber composites influence neural stem/progenitor cell fate. <i>Soft Matter</i> , 2010 , 6, 2227	3.6	67
132	Angiogenesis, the Neurovascular Niche and Neuronal Reintegration After Injury. 2010 , 145-167		
131	Hydrogel matrix to support stem cell survival after brain transplantation in stroke. 2010 , 24, 636-44		166

130 Neuronal responses to simply prepared chitosan composite gels. **2010**,

129	Materials for central nervous system regeneration: bioactive cues. 2011 , 21, 7033		36
128	Tissue Engineering of Organs: Brain Tissues. 2011 , 457-492		1
127	Chitosan scaffolds containing hyaluronic acid for cartilage tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , 2011 , 17, 717-30	2.9	125
126	Tissue Engineering. 2011 , 175-211		3
125	Biomedical Nanotechnology. <i>Methods in Molecular Biology</i> , 2011 ,	1.4	6
124	Bioengineered scaffolds for spinal cord repair. 2011 , 17, 177-94		66
123	A Mini Review on Interactions Between Neural Stem Cells and Biomaterials. 2011 , 1, 19-29		
122	Neural stem cell niches: roles for the hyaluronan-based extracellular matrix. 2011 , 3, 1165-79		110
121	Dynamic mechanical analysis and biomineralization of hyaluronan-polyethylene copolymers for potential use in osteochondral defect repair. <i>Acta Biomaterialia</i> , 2011 , 7, 1184-91	10.8	21
120	Hyaluronan as an immune regulator in human diseases. 2011 , 91, 221-64		666
119	Building biocompatible hydrogels for tissue engineering of the brain and spinal cord. 2012 , 3, 839-63		51
118	Nanobased Technological Applications for Central Nervous System Injuries. 2012, 289-315		
117	Characterization of a bilateral penetrating brain injury in rats and evaluation of a collagen biomaterial for potential treatment. 2012 , 29, 2086-102		11
116	Biofunctionalisation of polymeric scaffolds for neural tissue engineering. <i>Journal of Biomaterials Applications</i> , 2012 , 27, 369-90	2.9	37
115	Engineering neural stem cell fates with hydrogel design for central nervous system regeneration. 2012 , 37, 1105-1129		86
114	Advances in natural biomaterials for nerve tissue repair. 2012 , 519, 103-14		111
113	Hyaluronic acid-based scaffold for central neural tissue engineering. 2012 , 2, 278-91		87

112	Differential Expressions of Synaptogenic Markers between Primary Cultured Cortical and Hippocampal Neurons. 2012 , 21, 61-7	11
111	Channeled scaffolds implanted in adult rat brain. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 3276-86	34
110	Non-Newtonian Behavior of Ballistic Gelatin at High Shear Rates. 2012 , 52, 551-560	16
109	Chemical and topographical patterning of hydrogels for neural cell guidance in vitro. 2013 , 7, 253-70	25
108	Novel collagen scaffolds prepared by using unnatural D-amino acids assisted EDC/NHS crosslinking. 2013 , 24, 344-64	16
107	Neural Engineering. 2013,	15
106	Novel crosslinked alginate/hyaluronic acid hydrogels for nerve tissue engineering. 2013 , 7, 269-284	35
105	Development of D-lysine-assisted 1-ethyl-3-(3-dimethylaminopropyl)-carbodiimide/N-hydroxysuccinimide-initiated cross linking of 5.4 collagen matrix for design of scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 1173-83	11
104	Biomaterial approaches to gene therapies for neurodegenerative disorders of the CNS. 2013 , 1, 556-576	18
103	The reduction in immunogenicity of neurotrophin overexpressing stem cells after intra-striatal transplantation by encapsulation in an in situ gelling collagen hydrogel. <i>Biomaterials</i> , 2013 , 34, 9420-9	65
102	Directing neural stem cell fate with biomaterial parameters for injured brain regeneration. 2013 , 23, 103-112	30
101	Brain tissue interaction with three-dimensional, honeycomb polycaprolactone-based scaffolds designed for cranial reconstruction following traumatic brain injury. <i>Tissue Engineering - Part A</i> , 3.9 2013 , 19, 2382-9	14
100	Neural stem cells encapsulated in a functionalized self-assembling peptide hydrogel for brain tissue engineering. <i>Biomaterials</i> , 2013 , 34, 2005-16	285
99	Neuromodulatory nerve regeneration: adipose tissue-derived stem cells and neurotrophic mediation in peripheral nerve regeneration. 2013 , 91, 1517-24	41
98	Materials for Central Nervous System Tissue Engineering. 2014 ,	5
97	Effect of hyaluronan on developmental competence and quality of oocytes and obtained blastocysts from in vitro maturation of bovine oocytes. 2014 , 2014, 519189	7
96	Developmentally regulated collagen/integrin interactions confer adhesive properties to early postnatal neural stem cells. 2014 , 1840, 2526-32	13
95	Recent advances in hydrogel based drug delivery systems for the human body. 2014 , 2, 147-166	313

(2016-2014)

94	2014 , 17, 332-340		59
93	Biologic scaffold for CNS repair. 2014 , 9, 367-83		34
92	The experimental therapy on brain ischemia by improvement of local angiogenesis with tissue engineering in the mouse. 2014 , 23 Suppl 1, S83-95		46
91	. 2015,		3
90	Cross-linking of hyaluronic acid with 1, 2, 7, 8-diepoxyoctane. 2015 , 19, S9-268-S9-272		2
89	Prospects for polymer therapeutics in Parkinson disease and other neurodegenerative disorders. 2015 , 44, 79-112		21
88	Nanotissue Engineering of Neural Cells. 2015 , 265-283		2
87	Self-Assembling Peptides Mediate Neural Regeneration. 2015 , 229-236		2
86	Neural tissue regeneration in experimental brain injury model with channeled scaffolds of acrylate copolymers. 2015 , 598, 96-101		5
85	Bioengineered fibrin-based niche to direct outgrowth of circulating progenitors into neuron-like cells for potential use in cellular therapy. 2015 , 12, 036011		6
84	Hyaluronic acid and neural stem cells: implications for biomaterial design. 2015 , 3, 7850-7866		38
83	Enhancing neural stem cell response to SDF-1\(\mathbb{G}\)radients through hyaluronic acid-laminin hydrogels. <i>Biomaterials</i> , 2015 , 72, 11-9	15.6	46
82	Biomimetic niche for neural stem cell differentiation using poly-L-lysine/hyaluronic acid multilayer films. <i>Journal of Biomaterials Applications</i> , 2015 , 29, 1418-27	2.9	14
81	3D in vitro modeling of the central nervous system. <i>Progress in Neurobiology</i> , 2015 , 125, 1-25	10.9	158
80	Preparation of animal polysaccharides nanofibers by electrospinning and their potential biomedical applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 807-18	5.4	37
79	Effects of polycaprolactone-based scaffolds on the blood-brain barrier and cerebral inflammation. <i>Tissue Engineering - Part A</i> , 2015 , 21, 647-53	3.9	9
78	Neural Substrate Expansion for the Restoration of Brain Function. <i>Frontiers in Systems Neuroscience</i> , 2016 , 10, 1	3.5	42
77	Human olfactory stem cells for injured facial nerve reconstruction in a rat model. <i>Head and Neck</i> , 2016 , 38 Suppl 1, E2011-20	4.2	10

76	PEGylation and HAylation via catechol: Amine-specific reaction at N-terminus of peptides and proteins. <i>Acta Biomaterialia</i> , 2016 , 43, 50-60	10.8	10
75	Injectable Hydrogels for Neural Tissue Regeneration. 2016 , 303-353		1
74	Scaffolds based on hyaluronan and carbon nanotubes gels. <i>Journal of Biomaterials Applications</i> , 2016 , 31, 534-543	2.9	4
73	Synthesis, Structural and Micromechanical Properties of 3D Hyaluronic Acid-Based Cryogel Scaffolds. <i>Biomacromolecules</i> , 2016 , 17, 580-9	6.9	37
72	Schwann-cell cylinders grown inside hyaluronic-acid tubular scaffolds with gradient porosity. <i>Acta Biomaterialia</i> , 2016 , 30, 199-211	10.8	24
71	Emerging roles of hyaluronic acid bioscaffolds in tissue engineering and regenerative medicine. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 917-28	7.9	141
70	Waterborne biodegradable polyurethane 3-dimensional porous scaffold for rat cerebral tissue regeneration. <i>RSC Advances</i> , 2016 , 6, 3840-3849	3.7	14
69	Peptide-Tethered Hydrogel Scaffold Promotes Recovery from Spinal Cord Transection via Synergism with Mesenchymal Stem Cells. <i>ACS Applied Materials & Description of Synergism With Mesenchymal Stem Cells.</i> 10 (2016) 1	9.5	61
68	The Horizon of Materiobiology: A Perspective on Material-Guided Cell Behaviors and Tissue Engineering. <i>Chemical Reviews</i> , 2017 , 117, 4376-4421	68.1	296
67	Colloidal Gels with Extracellular Matrix Particles and Growth Factors for Bone Regeneration in Critical Size Rat Calvarial Defects. <i>AAPS Journal</i> , 2017 , 19, 703-711	3.7	25
66	Single step poly(l-Lysine) microgel synthesis, characterization and biocompatibility tests. <i>Polymer</i> , 2017 , 121, 46-54	3.9	13
65	Design and Engineering of Neural Tissues. 2017 , 603-654		1
64	Enhanced neuroprotection with decellularized brain extracellular matrix containing bFGF after intracerebral transplantation in Parkinson disease rat model. <i>International Journal of Pharmaceutics</i> , 2017 , 517, 383-394	6.5	16
63	Olfactory Derived Stem Cells Delivered in a Biphasic Conduit Promote Peripheral Nerve Repair In Vivo. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 1894-1904	6.9	14
62	A Physicochemically Optimized and Neuroconductive Biphasic Nerve Guidance Conduit for Peripheral Nerve Repair. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700954	10.1	35
61	Injectable hyaluronan-methylcellulose composite hydrogel crosslinked by polyethylene glycol for central nervous system tissue engineering. <i>Materials Science and Engineering C</i> , 2017 , 81, 1-7	8.3	27
60	Injectable uncrosslinked biomimetic hydrogels as candidate scaffolds for neural stem cell delivery. Journal of Biomedical Materials Research - Part A, 2017 , 105, 790-805	5.4	21
59	Tissue Engineering. 2017 ,		6

(2020-2018)

58	Superior calvarial bone regeneration using pentenoate-functionalized hyaluronic acid hydrogels with devitalized tendon particles. <i>Acta Biomaterialia</i> , 2018 , 71, 148-155	10.8	25
57	Effects of tissue processing on bioactivity of cartilage matrix-based hydrogels encapsulating osteoconductive particles. <i>Biomedical Materials (Bristol)</i> , 2018 , 13, 034108	3.5	11
56	In Vitro Microfluidic Models for Neurodegenerative Disorders. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700489	10.1	59
55	3D neural tissue models: From spheroids to bioprinting. <i>Biomaterials</i> , 2018 , 154, 113-133	15.6	154
54	Biocatalysis by Transglutaminases: A Review of Biotechnological Applications. <i>Micromachines</i> , 2018 , 9,	3.3	31
53	Modern Approaches to Tissue Engineering of the Spinal Cord: Analytical Review. 2018 , 7, 3-32		
52	Biomaterial-Supported Cell Transplantation Treatments for Spinal Cord Injury: Challenges and Perspectives. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 430	6.1	47
51	Alginate Hydrogels as Scaffolds and Delivery Systems to Repair the Damaged Spinal Cord. <i>Biotechnology Journal</i> , 2019 , 14, e1900275	5.6	19
50	Electrically conductive biomaterials based on natural polysaccharides: Challenges and applications in tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019 , 141, 636-662	7.9	37
49	Enhanced angiogenesis by the hyaluronic acid hydrogels immobilized with a VEGF mimetic peptide in a traumatic brain injury model in rats. <i>International Journal of Energy Production and Management</i> , 2019 , 6, 325-334	5.3	19
48	Scaffolds for brain tissue reconstruction. 2019 , 3-29		2
47	Theranostic Biomaterials for Regulation of the Blood B rain Barrier. 2019 , 303-319		3
46	The green poly-lysine enantiomers as electron-extraction layers for high performance organic photovoltaics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12572-12579	7.1	12
45	Fully amino acid-based hydrogel as potential scaffold for cell culturing and drug delivery. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2579-2593	3	6
44	Selective Regulation of Neurons, Glial Cells, and Neural Stem/Precursor Cells by Poly(allylguanidine)-Coated Surfaces. <i>ACS Applied Materials & Description of Materials & Description </i>	9.5	4
43	Novel 3D-printed methacrylated chitosan-laponite nanosilicate composite scaffolds enhance cell growth and biomineral formation in MC3T3 pre-osteoblasts. <i>Journal of Materials Research</i> , 2020 , 35, 58-75	2.5	26
42	Visco-hyperelastic constitutive modeling of strain rate sensitive soft materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 135, 103777	5	27
41	The use of bioactive matrices in regenerative therapies for traumatic brain injury. <i>Acta Biomaterialia</i> , 2020 , 102, 1-12	10.8	6

40	Hyaluronic Acid/Polylysine Composites for Local Drug Delivery: A Review. <i>Key Engineering Materials</i> , 2020 , 850, 213-218	0.4	3
39	Innovations in 3-Dimensional Tissue Models of Human Brain Physiology and Diseases. <i>Advanced Functional Materials</i> , 2020 , 30, 1909146	15.6	19
38	Central nervous system responses to biomaterials. 2020 , 507-554		О
37	Cardiac responses to biomaterials. 2020 , 573-599		1
36	Recent trends in the development of peptide and protein-based hydrogel therapeutics for the healing of CNS injury. <i>Soft Matter</i> , 2020 , 16, 10046-10064	3.6	16
35	Cell and Tissue Instructive Materials for Central Nervous System Repair. <i>Advanced Functional Materials</i> , 2020 , 30, 1909083	15.6	9
34	Conduits based on the combination of hyaluronic acid and silk fibroin: Characterization, in vitro studies and in vivo biocompatibility. <i>International Journal of Biological Macromolecules</i> , 2020 , 148, 378-3	3 3 0 ⁹	10
33	Synthesis and characterization of alginate and sterculia gum based hydrogel for brain drug delivery applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 148, 248-257	7.9	26
32	CD44 expression in stem cells and niche microglia/macrophages following ischemic stroke. <i>Stem Cell Investigation</i> , 2020 , 7, 4	5.1	2
31	Fabrication and in vitro evaluation of 3D composite scaffold based on collagen/hyaluronic acid sponge and electrospun polycaprolactone nanofibers for peripheral nerve regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 300-312	5.4	22
30	Modified biopolymer-based systems for drug delivery to the brain. 2021 , 571-611		2
29	Hydrogel-mediated local delivery of dexamethasone reduces neuroinflammation after traumatic brain injury. <i>Biomedical Materials (Bristol)</i> , 2020 ,	3.5	5
28	Engineered glycomaterial implants orchestrate large-scale functional repair of brain tissue chronically after severe traumatic brain injury. <i>Science Advances</i> , 2021 , 7,	14.3	5
27	The corticospinal tract structure of collagen/silk fibroin scaffold implants using 3D printing promotes functional recovery after complete spinal cord transection in rats. <i>Journal of Materials Science: Materials in Medicine</i> , 2021 , 32, 31	4.5	3
26	Self-Assembling Hydrogel Structures for Neural Tissue Repair. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4136-4163	5.5	8
25	Toward Studying Cognition in a Dish. <i>Trends in Cognitive Sciences</i> , 2021 , 25, 294-304	14	2
24	Imaging of Allografted Glial-Restricted Progenitor Cell Survival and Hydrogel Scaffold Biodegradation. <i>ACS Applied Materials & District Restricted Progenitor Cell Survival and Hydrogel Scaffold Progenitor Cell Survival Applied Progenitor Cell Survival Progenitor Cell S</i>	9.5	4
23	Natural biomaterials in brain repair: A focus on collagen. <i>Neurochemistry International</i> , 2021 , 146, 10503	34.4	6

Advanced Delivery Systems Based on Lysine or Lysine Polymers. Molecular Pharmaceutics, 2021, 18, 3652-36703 2.2 Immune response against the biomaterials used in 3D bioprinting of organs. Transplant Immunology 21 1.7 , **2021**, 69, 101446 Peptide Nanostructured Conjugates for Therapeutics. 385-415 20 5 Neural Tissue Engineering. 2013, 765-794 19 Peptide amphiphiles and porous biodegradable scaffolds for tissue regeneration in the brain and 18 18 1.4 spinal cord. Methods in Molecular Biology, 2011, 726, 259-81 Spinal Cord Repair by Means of Tissue Engineered Scaffolds. 2013, 485-547 17 16 Central Nervous System. 2011, 221-244 4 Fast-Responsive Macroporous Hydrogels. 2009, 179-208 Chitosan conduits combined with nerve growth factor microspheres repair facial nerve defects. 14 4.5 17 Neural Regeneration Research, 2013, 8, 3139-47 Dorsal root ganglion-derived Schwann cells combined with poly(lactic-co-glycolic acid)/chitosan 13 4.5 10 conduits for the repair of sciatic nerve defects in rats. Neural Regeneration Research, 2014, 9, 1961-7 Macroporous Polymeric Scaffolds for Tissue Engineering Applications. 2009, 405-466 12 Chitosan Scaffolds Containing Hyaluronic Acid for Cartilage Tissue Engineering. Tissue Engineering -2.9 11 Part C: Methods, 110308075242061 Carbohydrate-Derived Self-Crosslinkable In Situ Gelable Hydrogels for Modulation of Wound 10 Healing. 2013, 739-782 Biomimetic Materials: Polymeric Substrates for Axonal Regeneration. 913-931 9 8 Neural Tissue Engineering. 2020, 639-667 1 Appropriate Scaffold Selection for CNS Tissue Engineering. Avicenna Journal of Medical 1.4 Biotechnology, **2020**, 12, 203-220 From 3D printing to 3D bioprinting: the material properties of polymeric material and its derived 2.2 3 bioink for achieving tissue specific architectures.. Cell and Tissue Banking, 2022, 1

Cavitation nucleation and its ductile-to-brittle shape transition in soft gels under translational

mechanical impact.. Acta Biomaterialia, 2022,

10.8 0

4	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,	5.3	O
3	Fabrication and characterization of methylprednisolone-loaded polylactic acid/hyaluronic acid nanofibrous scaffold for soft tissue engineering. 2022 , 52, 152808372211165		O
2	Hyaluronic Acid Scaffolds for Loco-Regional Therapy in Nervous System Related Disorders. 2022 , 23, 12174		О
1	Exploring the Interplay of Antimicrobial Properties and Cellular Response in Physically Crosslinked Hyaluronic Acid/EPolylysine Hydrogels. 2023 , 15, 1915		O