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Repair of thoracic spinal cord injury by chitosan tube implantation in adult rats

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#	Paper	IF	Citations
105	The effect of neurotrophin-3/chitosan carriers on the proliferation and differentiation of neural stem cells. <i>Biomaterials</i> , <b>2009</b> , 30, 4978-85	15.6	67
104	The effect of topology of chitosan biomaterials on the differentiation and proliferation of neural stem cells. <b>2010</b> , 6, 3630-9		65
103	Effects of chitosan/collagen substrates on the behavior of rat neural stem cells. <b>2010</b> , 53, 215-22		19
102	The repair of the injured adult rat hippocampus with NT-3-chitosan carriers. <i>Biomaterials</i> , <b>2010</b> , 31, 218	34 <del>19</del> 526	37
101	The effect of the dosage of NT-3/chitosan carriers on the proliferation and differentiation of neural stem cells. <i>Biomaterials</i> , <b>2010</b> , 31, 4846-54	15.6	56
100	Materials for central nervous system regeneration: bioactive cues. <b>2011</b> , 21, 7033		36
99	Chitosan. <b>2011</b> , 221-237		10
98	Bioengineered scaffolds for spinal cord repair. <b>2011</b> , 17, 177-94		66
97	Biomaterial design considerations for repairing the injured spinal cord. <b>2011</b> , 39, 125-80		25
96	Layered chitosan conduits with controllable inner diameters. <b>2011</b> , 65, 1503-1505		5
95	Ionically cross-linked chitosan microspheres for controlled release of bioactive nerve growth factor. <b>2011</b> , 421, 283-90		40
94	Bone marrow stromal cells-loaded chitosan conduits promote repair of complete transection injury in rat spinal cord. <b>2011</b> , 22, 2347-56		33
93	Spheroid formation and neural induction in human adipose-derived stem cells on a chitosan-coated surface. <b>2012</b> , 196, 117-28		22
92	Scaffolds to promote spinal cord regeneration. <b>2012</b> , 109, 575-94		43
91	Oligodendrocyte-protection and remyelination post-spinal cord injuries: a review. <b>2012</b> , 96, 322-39		76
90	Hyaluronic acid-based scaffold for central neural tissue engineering. <b>2012</b> , 2, 278-91		87
89	Regenerative Medicine of Neural Tissues. <b>2012</b> , 285-323		1

88	Ice-Templated Scaffolds with Microridged Pores Direct DRG Neurite Growth. 2012, 22, 4920-4923	54
87	Differential adhesiveness and neurite-promoting activity for neural cells of chitosan, gelatin, and poly-L-lysine films. <b>2012</b> , 26, 791-809	28
86	BDNF blended chitosan scaffolds for human umbilical cord MSC transplants in traumatic brain injury therapy. <i>Biomaterials</i> , <b>2012</b> , 33, 3119-26	70
85	Scaffolds for central nervous system tissue engineering. <b>2012</b> , 6, 1-25	36
84	In vitro characterization of a chitosan skin regenerating template as a scaffold for cells cultivation. <b>2013</b> , 2, 79	34
83	Chitosan/gelatin porous scaffolds containing hyaluronic acid and heparan sulfate for neural tissue engineering. <b>2013</b> , 24, 999-1014	49
82	The use of chitosan-based scaffolds to enhance regeneration in the nervous system. <b>2013</b> , 109, 1-62	52
81	. 2013,	1
80	Using extracellular matrix for regenerative medicine in the spinal cord. <i>Biomaterials</i> , <b>2013</b> , 34, 4945-55 15.6	67
79	Atrophy and primary somatosensory cortical reorganization after unilateral thoracic spinal cord injury: a longitudinal functional magnetic resonance imaging study. <b>2013</b> , 2013, 753061	16
78	Combined use of spinal cord-mimicking partition type scaffold architecture and neurotrophin-3 for surgical repair of completely transected spinal cord in rats. <b>2013</b> , 24, 927-39	13
77	Overview on Biocompatibilities of Implantable Biomaterials. 2013,	16
76	Injectable chitosan-based scaffolds in regenerative medicine and their clinical translatability. <b>2014</b> , 3, 1529-45	32
75	Acellular spinal cord scaffold seeded with bone marrow stromal cells protects tissue and promotes functional recovery in spinal cord-injured rats. <b>2014</b> , 92, 307-17	26
74	3D porous chitosan scaffolds suit survival and neural differentiation of dental pulp stem cells. <b>2014</b> , 34, 859-70	39
73	Neo-innervation of a bioengineered intestinal smooth muscle construct around chitosan scaffold. <i>Biomaterials</i> , <b>2014</b> , 35, 1882-9	25
72	From basics to clinical: a comprehensive review on spinal cord injury. <b>2014</b> , 114, 25-57	459
71	Repair of injured spinal cord using biomaterial scaffolds and stem cells. <b>2014</b> , 5, 91	95

70	Nanofibers support oligodendrocyte precursor cell growth and function as a neuron-free model for myelination study. <b>2014</b> , 15, 319-26		41
69	Cell and biomolecule delivery for tissue repair and regeneration in the central nervous system. <b>2014</b> , 190, 219-27		79
68	Bridging the lesion-engineering a permissive substrate for nerve regeneration. <b>2015</b> , 2, 203-14		22
67	New biomaterials for orthopedic implants. <b>2015</b> , 107		11
66	Permeation of biological compounds through porous poly(l-lactic acid) (PLLA) microtube array membranes (MTAMs). <b>2015</b> , 67, 166-173		13
65	Biomimetic multi-layered hollow chitosan <b>E</b> ripolyphosphate rod with excellent mechanical performance. <b>2015</b> , 5, 37346-37352		20
64	Transcriptome analyses reveal molecular mechanisms underlying functional recovery after spinal cord injury. <b>2015</b> , 112, 13360-5		72
63	NT3-chitosan elicits robust endogenous neurogenesis to enable functional recovery after spinal cord injury. <b>2015</b> , 112, 13354-9		122
62	The incorporation of growth factor and chondroitinase ABC into an electrospun scaffold to promote axon regrowth following spinal cord injury. <b>2016</b> , 10, 656-68		21
61	A Hydrogel Bridge Incorporating Immobilized Growth Factors and Neural Stem/Progenitor Cells to Treat Spinal Cord Injury. <b>2016</b> , 5, 802-12		55
60	Regeneration strategies after the adult mammalian central nervous system injury-biomaterials. <b>2016</b> , 3, 115-22		9
59	Longitudinal study on diffusion tensor imaging and diffusion tensor tractography following spinal cord contusion injury in rats. <b>2016</b> , 58, 607-614		26
58	Poly(D,L-Lactide-Co-Glycolide) Tubes With Multifilament Chitosan Yarn or Chitosan Sponge Core in Nerve Regeneration. <b>2016</b> , 74, 2327.e1-2327.e12		6
57	Endogenous neurogenesis in adult mammals after spinal cord injury. <b>2016</b> , 59, 1313-1318		15
56	Optimizing a multifunctional microsphere scaffold to improve neural precursor cell transplantation for traumatic brain injury repair. <b>2016</b> , 10, E419-E432		22
55	China's landscape in regenerative medicine. <i>Biomaterials</i> , <b>2017</b> , 124, 78-94	15.6	13
54	2.13 Chitosan ?. <b>2017</b> , 279-305		7
53	Feasibility of chitosan-alginate (Chi-Alg) hydrogel used as scaffold for neural tissue engineering: a pilot study in vitro. <b>2017</b> , 1-8		19

## (2019-2017)

52	Physical chitosan microhydrogels as scaffolds for spinal cord injury restoration and axon regeneration. <i>Biomaterials</i> , <b>2017</b> , 138, 91-107	15.6	100
51	Thermogelling chitosan lactate hydrogel improves functional recovery after a C2 spinal cord hemisection in rat. <b>2017</b> , 105, 2004-2019		15
50	Combination of kinematic analyses and diffusion tensor tractrography to evaluate the residual motor functions in spinal cord-hemisected monkeys. <b>2017</b> , 46, 239-247		8
49	Glaucoma: Biological Trabecular and Neuroretinal Pathology with Perspectives of Therapy Innovation and Preventive Diagnosis. <b>2017</b> , 11, 494		16
48	Functional Test Scales for Evaluating Cell-Based Therapies in Animal Models of Spinal Cord Injury. <b>2017</b> , 2017, 5160261		2
47	Exploiting natural polysaccharides to enhance in vitro bio-constructs of primary neurons and progenitor cells. <b>2018</b> , 73, 285-301		19
46	Application of the sodium hyaluronate-CNTF scaffolds in repairing adult rat spinal cord injury and facilitating neural network formation. <b>2018</b> , 61, 559-568		11
45	Chitosan conduits filled with simvastatin/Pluronic F-127 hydrogel promote peripheral nerve regeneration in rats. <b>2018</b> , 106, 787-799		33
44	Preparation of NGF encapsulated chitosan nanoparticles and its evaluation on neuronal differentiation potentiality of canine mesenchymal stem cells. <b>2017</b> , 29, 4		24
43	Diffusion tensor imaging of spinal cord parenchyma lesion in rat with chronic spinal cord injury. <b>2018</b> , 47, 25-32		18
42	Enhancement of Axonal Myelination in Wounded Spinal Cord Using Oligodendrocyte Precursor Cell Transplantation. <b>2018</b> , 19-36		1
41	Electrospun polypyrrole-coated polycaprolactone nanoyarn nerve guidance conduits for nerve tissue engineering. <b>2018</b> , 12, 438-446		26
40	Testing Pathological Variation of White Matter Tract in Adult Rats after Severe Spinal Cord Injury with MRI. <b>2018</b> , 2018, 4068156		9
39	NT3-chitosan enables de novo regeneration and functional recovery in monkeys after spinal cord injury. <b>2018</b> , 115, E5595-E5604		72
38	Stable gastric pentadecapeptide BPC 157 can improve the healing course of spinal cord injury and lead to functional recovery in rats. <b>2019</b> , 14, 199		12
37	Spinal cord injury: pathophysiology, treatment strategies, associated challenges, and future implications. <b>2019</b> , 377, 125-151		52
36	3D printing collagen/chitosan scaffold ameliorated axon regeneration and neurological recovery after spinal cord injury. <b>2019</b> , 107, 1898-1908		47
35	Biofunctionalization of TiO Surfaces with Self-Assembling Layers of Oligopeptides Covalently Grafted to Chitosan. <b>2019</b> , 5, 2190-2199		10

34	Combination of biomaterial transplantation and genetic enhancement of intrinsic growth capacities to promote CNS axon regeneration after spinal cord injury. <b>2019</b> , 13, 131-137	6
33	Validation study of neurotrophin-3-releasing chitosan facilitation of neural tissue generation in the severely injured adult rat spinal cord. <b>2019</b> , 312, 51-62	18
32	Dual-Functioning Scaffolds for the Treatment of Spinal Cord Injury: Alginate Nanofibers Loaded with the Sigma 1 Receptor (S1R) Agonist RC-33 in Chitosan Films. <b>2019</b> , 18,	12
31	Evaluating effect of alginate/chitosan hydrogel containing 4-Methylcatechol on peripheral nerve regeneration in rat model. <b>2020</b> , 1-10	7
30	Tissue Engineering and Regenerative Medicine: Achievements, Future, and Sustainability in Asia. <b>2020</b> , 8, 83	53
29	Scaffolds for spinal cord injury repair: from proof of concept to first in-human studies and clinical trials. <b>2020</b> , 603-619	2
28	Local Serpin Treatment via Chitosan-Collagen Hydrogel after Spinal Cord Injury Reduces Tissue Damage and Improves Neurologic Function. <b>2020</b> , 9,	14
27	Spinal cord injury. <b>2020</b> , 1047-1091	O
26	Production of chitosan scaffolds by lyophilization or electrospinning: which is better for peripheral nerve regeneration?. <b>2021</b> , 16, 1093-1098	7
25	Combining bioscaffolds and iPSCs in the treatment of neural trauma and Alzheimer disease. <b>2021</b> , 123-162	
24	Immunomodulatory Layered Double Hydroxide Nanoparticles Enable Neurogenesis by Targeting Transforming Growth Factor-[Receptor 2. <b>2021</b> , 15, 2812-2830	15
23	Biomaterials and strategies for repairing spinal cord lesions. <b>2021</b> , 144, 104973	8
22	Novel nanoformulated combination of Se and CeO2 particles loaded polylactic-co-glycolic acid vesicle to improved anti-inflammation and auto-regenerative for the treatment and care of spinal cord injury. <b>2021</b> , 35, e6269	1
21	Application of non-human primates’ behavioral research in the study of spinal cord injury. <b>2021</b> ,	
20	Spinal Cord Repair by Means of Tissue Engineered Scaffolds. <b>2013</b> , 485-547	1
19	Central Nervous System. <b>2011</b> , 221-244	4
18	Efficacy of chitosan and sodium alginate scaffolds for repair of spinal cord injury in rats. <b>2018</b> , 13, 502-509	37
17	The combination of induced pluripotent stem cells and bioscaffolds holds promise for spinal cord regeneration. <b>2018</b> , 13, 1677-1684	9

## CITATION REPORT

16	Biocompatibility of reduced graphene oxide nanoscaffolds following acute spinal cord injury in rats. <b>2016</b> , 7, 75	30
15	Endogenously Regenerated Neurons Wire Properly to Control Bladder Function After Complete Spinal Cord Injury.	
14	Macrophage polarization in vitro and in vivo modified by contact with fragmented chitosan hydrogel. <b>2021</b> ,	1
13	Stem Cell Therapy: Significance and Applications of Stem Cell Products in Tissue Engineering and Regenerative Medicine. <b>2022</b> , 1-21	
12	Evolution of Spinal Cord Transection of Rhesus Monkey Implanted with Polymer Synthesized by Plasma Evaluated by Diffusion Tensor Imaging <b>2022</b> , 14,	O
11	Green synthesis of Ag nanoparticles from Leucus aspera and its application in anticancer activity against alveolar cancer. <b>2022</b> , 17, 47-60	5
10	The Overexpression of Insulin-Like Growth Factor-1 and Neurotrophin-3 Promote Functional Recovery and Alleviate Spasticity After Spinal Cord Injury <b>2022</b> , 16, 863793	1
9	Chronic spinal cord injury repair by NT3-chitosan only occurs after clearance of the lesion scar. <b>2022</b> , 7,	Ο
8	Neural regeneration therapy after spinal cord injury induces unique brain functional reorganizations in rhesus monkeys. <b>2022</b> , 54, 1867-1883	0
7	???????????????. 2022,	
6	The immune microenvironment and tissue engineering strategies for spinal cord regeneration. 16,	О
5	Smart biomaterials and their potential applications in tissue engineering. <b>2022</b> , 10, 6859-6895	O
4	Proper wiring of newborn neurons to control bladder function after complete spinal cord injury. <b>2023</b> , 292, 121919	O
3	Circuit reconstruction of newborn neurons after spinal cord injury in adult rats via an NT3-chitosan scaffold. <b>2023</b> , 220, 102375	O
2	Restoration of spinal cord injury: From endogenous repairing process to cellular therapy. 16,	О
1	Physico-chemical characterization and anti-laryngeal cancer effects of the gold nanoparticles. <b>2023</b> , 104545	O