Srinivas Madduri

List of Publications by Year
in descending order

40	1,137	516561 16	395590 33
papers	citations	h-index	g-index

41	41	41	1698
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Schwann cell delivery of neurotrophic factors for peripheral nerve regeneration. Journal of the Peripheral Nervous System, 2010, 15, 93-103.	1.4	141
2	Synergistic effect of GDNF and NGF on axonal branching and elongation in vitro. Neuroscience Research, 2009, 65, 88-97.	1.0	115
3	Collagen nerve conduits releasing the neurotrophic factors GDNF and NGF. Journal of Controlled Release, 2010, 143, 168-174.	4.8	107
4	Growth factor delivery systems and repair strategies for damaged peripheral nerves. Journal of Controlled Release, 2012, 161, 274-282.	4.8	91
5	A bilayered hybrid microfibrous PLGAâ€“Acellular matrix scaffold for hollow organ tissue engineering. Biomaterials, 2013, 34, 1537-1545.	5.7	84
6	Effect of controlled co-delivery of synergistic neurotrophic factors on early nerve regeneration in rats. Biomaterials, 2010, 31, 8402-8409.	5.7	81
7	Engineering functional bladder tissues. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 515-522.	1.3	62
8	Macroporous hydrogels derived from aqueous dynamic phase separation. Biomaterials, 2019, 200, 56-65.	5.7	49
9	Increased porosity of electrospun hybrid scaffolds improved bladder tissue regeneration. Journal of Biomedical Materials Research - Part A, 2014, 102, 2116-2124.	2.1	42
10	The Preparation of the Recipient Site in Fat Grafting: A Comprehensive Review of the Preclinical Evidence. Plastic and Reconstructive Surgery, 2019, 143, 1099-1107.	0.7	41
11	Nerve conduit scaffolds for discrete delivery of two neurotrophic factors. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 139-142.	2.0	39
12	Schwann Cell-Like Cells: Origin and Usability for Repair and Regeneration of the Peripheral and Central Nervous System. Cells, 2020, 9, 1990.	1.8	37
13	Denervation leads to volume regression in breast cancer. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2018, 71, 833-839.	0.5	30
14	Adipose Derived Stem Cells Reduce Fibrosis and Promote Nerve Regeneration in Rats. Anatomical Record, 2018, 301, 1714-1721.	0.8	29
15	The Impact of Recipient Site External Expansion in Fat Grafting Surgical Outcomes. Plastic and Reconstructive Surgery - Global Open, 2018, 6, e1649.	0.3	28
16	Nerve Repair With Fibrin Nerve Conduit and Modified Suture Placement. Anatomical Record, 2018, 301, 1690-1696.	0.8	26
17	Three-dimensional Assessment of the Breast: Validation of a Novel, Simple and Inexpensive Scanning Process. In Vivo, 2019, 33, 839-842.	0.6	14
18	Isogenic-induced endothelial cells enhance osteogenic differentiation of mesenchymal stem cells on silk fibroin scaffold. Regenerative Medicine, 2019, 14, 647-661.	0.8	13

#	Article	IF	Citations
19	Human platelet lysate stimulated adipose stem cells exhibit strong neurotrophic potency for nerve tissue engineering applications. Regenerative Medicine, 2020, 15, 1399-1408.	0.8	13
20	Scaffold Characteristics for Functional Hollow Organ Regeneration. Materials, 2010, 3, 241-263.	1.3	11
21	Three-dimensional imaging and analysis of entire peripheral nerves after repair and reconstruction. Journal of Neuroscience Methods, 2018, 295, 37-44.	1.3	11
22	Ex-Vivo Stimulation of Adipose Stem Cells by Growth Factors and Fibrin-Hydrogel Assisted Delivery Strategies for Treating Nerve Gap-Injuries. Bioengineering, 2020, 7, 42.	1.6	11
23	Three-dimensional and non-destructive characterization of nerves inside conduits using laboratory-based micro computed tomography. Journal of Neuroscience Methods, 2018, 294, 59-66.	1.3	10
24	Modulation of Human Adipose Stem Cellsâ€™ Neurotrophic Capacity Using a Variety of Growth Factors for Neural Tissue Engineering Applications: Axonal Growth, Transcriptional, and Phosphoproteomic Analyses In Vitro. Cells, 2020, 9, 1939.	1.8	10
25	Regeneration of nerve crush injury using adiposeâ€derived stem cells: A multimodal comparison. Muscle and Nerve, 2018, 58, 566-572.	1.0	8
26	Comparative hard x-ray tomography for virtual histology of zebrafish larva, human tooth cementum, and porcine nerve. Journal of Medical Imaging, 2022, 9, 031507.	0.8	7
27	Clinical Studies and Pre-clinical Animal Models on Facial Nerve Preservation, Reconstruction, and Regeneration Following Cerebellopontine Angle Tumor Surgeryâ€“A Systematic Review and Future Perspectives. Frontiers in Bioengineering and Biotechnology, 2021, 9, 659413.	2.0	5
28	Fibrosis and Regulation of Nerve Regeneration in the Peripheral and Central Nervous Systems. CNS and Neurological Disorders - Drug Targets, 2020, 19, 560-571.	0.8	5
29	Split-sciatic nerve surgery: A new microsurgical model in experimental nerve repair. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2018, 71, 557-565.	0.5	3
30	A new model of chronic peripheral nerve compression for basic research and pharmaceutical drug testing. Regenerative Medicine, 2021, 16, 931-947.	0.8	3
31	Patient Height, Weight, BMI and Age as Predictors of Gracilis Muscle Free-Flap Mass in Lower Extremity Reconstruction. In Vivo, 2018, 32, 591-595.	0.6	2
32	Increasing Fat Graft Retention in Irradiated Tissue after Preconditioning with External Volume Expansion. Plastic and Reconstructive Surgery, 2021, 147, 158e-159e.	0.7	2
33	Systematic investigation and comparison of US FDA-approved immunosuppressive drugs FK506, cyclosporine and rapamycin for neuromuscular regeneration following chronic nerve compression injury. Regenerative Medicine, 2021, 16, 989-1003.	0.8	2
34	Synergy of human platelet lysate and laminin to enhance the neurotrophic effect of human adipose-derived stem cells. Neural Regeneration Research, 2022, 17, 2200.	1.6	2
35	Scaffolds for the Engineering of Functional Bladder Tissues. , 0, , .		1
36	Fat Grafting into Younger Recipients Improves Volume Retention in an Animal Model. Plastic and Reconstructive Surgery, 2020, 145, 657e-658e.	0.7	1

#	Article	IF	Citations
37	Laboratory-based phase and absorption tomography for micro-imaging of annual layers in human tooth cementum, paraffin-embedded nerve and zebrafish embryo. , 2021, , .		1
38	166 OPTIMAL LEVEL OF SMOOTH-MUSCLE-CELL-DIFFERENTIATION OF FAT DERIVED STEM CELLS FOR TISSUE ENGINEERING. Journal of Urology, 2011, 185, .	0.2	0
39	1261 SCAFFOLD WITH NEUROTROPHIC AND TOPOGRAPHIC FACTORS FOR IMPROVED AUTONOMIC INNERVATION FOR BLADDER ENGINEERING. Journal of Urology, 2013, 189, .	0.2	0
40	Editorial: Emerging Therapeutic Approaches for Repair and Regeneration of Injuries in the Peripheral Nervous System. Frontiers in Bioengineering and Biotechnology, 2022, 10, 891459.	2.0	0