Shuhui Yang

List of Publications by Year in Descending Order

19 papers	307 citations	9 h-index	17 g-index
21 ext. papers	501 ext. citations	9 avg, IF	2.79 L-index

#	Paper	IF	Citations
19	Biphasic mineralized collagen-based composite scaffold for cranial bone regeneration in developing sheep.. *International Journal of Energy Production and Management*, **2022**, 9, rbac004	5.3	0
18	White matter regeneration induced by aligned fibrin nanofiber hydrogel contributes to motor functional recovery in canine T12 spinal cord injury.. *International Journal of Energy Production and Management*, **2022**, 9, rbab069	5.3	1
17	Aligned fibrin/functionalized self-assembling peptide interpenetrating nanofiber hydrogel presenting multi-cues promotes peripheral nerve functional recovery. *Bioactive Materials*, **2022**, 8, 529-544	16.7	6
16	Stem cell-homing hydrogel-based miR-29b-5p delivery promotes cartilage regeneration by suppressing senescence in an osteoarthritis rat model.. *Science Advances*, **2022**, 8, eabk0011	14.3	2
15	Structural alignment guides oriented migration and differentiation of endogenous neural stem cells for neurogenesis in brain injury treatment. *Biomaterials*, **2021**, 280, 121310	15.6	2
14	Modified poly(methyl methacrylate) bone cement in the treatment of Kïmmell disease. *International Journal of Energy Production and Management*, **2021**, 8, rbaa051	5.3	2
13	Chitosan Tubes Prefilled with Aligned Fibrin Nanofiber Hydrogel Enhance Facial Nerve Regeneration in Rabbits. *ACS Omega*, **2021**, 6, 26293-26301	3.9	1
12	A multi-modal delivery strategy for spinal cord regeneration using a composite hydrogel presenting biophysical and biochemical cues synergistically. *Biomaterials*, **2021**, 276, 120971	15.6	5
11	A fully biodegradable and self-electrified device for neuroregenerative medicine. *Science Advances*, **2020**, 6,	14.3	26
10	Bioactive poly (methyl methacrylate) bone cement for the treatment of osteoporotic vertebral compression fractures. *Theranostics*, **2020**, 10, 6544-6560	12.1	14
9	Self-assembling peptide hydrogels functionalized with LN- and BDNF- mimicking epitopes synergistically enhance peripheral nerve regeneration. *Theranostics*, **2020**, 10, 8227-8249	12.1	31
8	In Vitro Monolayer Culture of Dispersed Neural Stem Cells on the E-Cadherin-Based Substrate with Long-Term Stemness Maintenance. *ACS Omega*, **2019**, 4, 18136-18146	3.9	6
7	Synergistic effects of dual-presenting VEGF- and BDNF-mimetic peptide epitopes from self-assembling peptide hydrogels on peripheral nerve regeneration. *Nanoscale*, **2019**, 11, 19943-19958	7.7	30
6	Mineralized Collagen Modified Polymethyl Methacrylate Bone Cement for Osteoporotic Compression Vertebral Fracture at 1-Year Follow-up. *Spine*, **2019**, 44, 827-838	3.3	16
5	A neurotrophic peptide-functionalized self-assembling peptide nanofiber hydrogel enhances rat sciatic nerve regeneration. *Nano Research*, **2018**, 11, 4599-4613	10	30
4	Increased recruitment of endogenous stem cells and chondrogenic differentiation by a composite scaffold containing bone marrow homing peptide for cartilage regeneration. *Theranostics*, **2018**, 8, 5039-5058	12.1	57
3	In Situ Articular Cartilage Regeneration through Endogenous Reparative Cell Homing Using a Functional Bone Marrow-Specific Scaffolding System. *ACS Applied Materials & Interfaces*, **2018**, 10, 38715-38728	9.5	38

2	Bioactive Self-Assembling Peptide Hydrogels Functionalized with Brain-Derived Neurotrophic Factor and Nerve Growth Factor Mimicking Peptides Synergistically Promote Peripheral Nerve Regeneration. *ACS Biomaterials Science and Engineering*, **2018**, 4, 2994-3005	5.5	28
1	Crosstalk between PC12 cells and endothelial cells in an artificial neurovascular niche constructed by a dual-functionalized self-assembling peptide nanofiber hydrogel. *Nano Research*,1	10	5