Biraja C Dash

List of Publications by Year
in descending order

35 papers	2,055 citations	361045 20 h-index	414034 32 g-index
40 all docs	40 docs citations	40 times ranked	3093 citing authors

#	Article	IF	Citations
1	Multifunctional Elastin-Like Polypeptide Fusion Protein Coacervates Inhibit Receptor-Mediated Proinflammatory Signals and Promote Angiogenesis in Mouse Diabetic Wounds. Advances in Wound Care, 2023, 12, 241-255.	2.6	4
2	Unlocking the Potential of Induced Pluripotent Stem Cells for Wound Healing: The Next Frontier of Regenerative Medicine. Advances in Wound Care, 2022, 11, 622-638.	2.6	6
3	Single cell transcriptomic landscape of diabetic foot ulcers. Nature Communications, 2022, 13, 181.	5.8	111
4	Human <scp>iPSCâ€Vascular</scp> smooth muscle cell spheroids demonstrate sizeâ€dependent alterations in cellular viability and secretory function. Journal of Biomedical Materials Research - Part A, 2022, 110, 1813-1823.	2.1	1
5	Self-Assembled Nanomaterials for Chronic Skin Wound Healing. Advances in Wound Care, 2021, 10, 221-233.	2.6	18
6	Generation and Encapsulation of Human iPSC-Derived Vascular Smooth Muscle Cells for Proangiogenic Therapy. Methods in Molecular Biology, 2021, , 1.	0.4	2
7	Self-assembled elastin-like polypeptide fusion protein coacervates as competitive inhibitors of advanced glycation end-products enhance diabetic wound healing. Journal of Controlled Release, 2021, 333, 176-187.	4.8	23
8	Integrin Î²3 targeting biomaterial preferentially promotes secretion of bFGF and viability of iPSC-derived vascular smooth muscle cells. Biomaterials Science, 2021, 9, 5319-5329.	2.6	4
9	Induced Pluripotent Stem Cell-Derived Vascular Smooth Muscle Cells for Vascular Regeneration. , 2021, , 199-219.		1
10	Human iPSC-Derived Vascular Smooth Muscle Cells in a Fibronectin Functionalized Collagen Hydrogel Augment Endothelial Cell Morphogenesis. Bioengineering, 2021, 8, 223.	1.6	8
11	Stem Cell Therapy for Thromboangiitis Obliterans (Buergerâ€™s Disease). Processes, 2020, 8, 1408.	1.3	2
12	An in situ collagenâ€HA hydrogel system promotes survival and preserves the proangiogenic secretion of hiPSCâ€derived vascular smooth muscle cells. Biotechnology and Bioengineering, 2020, 117, 3912-3923.	1.7	17
13	A Dense Fibrillar Collagen Scaffold Differentially Modulates Secretory Function of iPSC-Derived Vascular Smooth Muscle Cells to Promote Wound Healing. Cells, 2020, 9, 966.	1.8	25
14	Induced pluripotent stem cell-derived smooth muscle cells increase angiogenesis and accelerate diabetic wound healing. Regenerative Medicine, 2020, 15, 1277-1293.	0.8	51
15	Composite scaffolds for skin repair and regeneration. , 2019, , 193-223.		3
16	Mouse Model of Pressure Ulcers After Spinal Cord Injury. Journal of Visualized Experiments, 2019, , .	0.2	3
17	The potential and limitations of induced pluripotent stem cells to achieve wound healing. Stem Cell Research and Therapy, 2019, 10, 87.	2.4	117
18	Induced Pluripotent Stem Cell Derived Smooth Muscle Cells Are Superior to Mesenchymal Stem Cells at Accelerating Diabetic Wound Healing. Journal of the American College of Surgeons, 2019, 229, S331.	0.2	0

#	Article	IF	Citations
19	Incisional Negative Pressure Wound Therapy Augments Perfusion and Improves Wound Healing in a Swine Model Pilot Study. Annals of Plastic Surgery, 2019, 82, S222-S227.	0.5	24
20	Targeting Fibrotic Signaling. Annals of Plastic Surgery, 2019, 83, e92-e95.	0.5	5
21	Impact of Complete Spinal Cord Injury on Healing of Skin Ulcers in Mouse Models. Journal of Neurotrauma, 2018, 35, 815-824.	1.7	10
22	Myofibroblast proliferation and heterogeneity are supported by macrophages during skin repair. Science, 2018, 362, .	6.0	318
23	Stem Cells and Engineered Scaffolds for Regenerative Wound Healing. Bioengineering, 2018, 5, 23.	1.6	92
24	Implantable tissue-engineered blood vessels from human induced pluripotent stem cells. Biomaterials, 2016, 102, 120-129.	5.7	111
25	Tissue-Engineered Vascular Rings from Human iPSC-Derived Smooth Muscle Cells. Stem Cell Reports, 2016, 7, 19-28.	2.3	75
26	Induced pluripotent stem cell-derived vascular smooth muscle cells: methods and application. Biochemical Journal, 2015, 465, 185-194.	1.7	53
27	An injectable elastin-based gene delivery platform for dose-dependent modulation of angiogenesis and inflammation for critical limb ischemia. Biomaterials, 2015, 65, 126-139.	5.7	53
28	Emulsion cross-linked chitosan/nanohydroxyapatite microspheres for controlled release of alendronate. Journal of Materials Science: Materials in Medicine, 2014, 25, 2649-2658.	1.7	22
29	Mannosylated Polyethyleneimineâ€“Hyaluronan Nanohybrids for Targeted Gene Delivery to Macrophage-Like Cell Lines. Bioconjugate Chemistry, 2012, 23, 1138-1148.	1.8	38
30	Nonmulberry silk biopolymers. Biopolymers, 2012, 97, 455-467.	1.2	174
31	Controlled Release of Plasmid DNA from Hyaluronan Nanoparticles. Current Drug Delivery, 2011, 8, 354-362.	0.8	23
32	Tunable elastin-like polypeptide hollow sphere as a high payload and controlled delivery gene depot. Journal of Controlled Release, 2011, 152, 382-392.	4.8	79
33	The influence of size and charge of chitosan/polyglutamic acid hollow spheres on cellular internalization, viability and blood compatibility. Biomaterials, 2010, 31, 8188-8197.	5.7	149
34	Silk gland sericin protein membranes: Fabrication and characterization for potential biotechnological applications. Journal of Biotechnology, 2009, 144, 321-329.	1.9	112
35	Natural protective glue protein, sericin bioengineered by silkworms: Potential for biomedical and biotechnological applications. Progress in Polymer Science, 2008, 33, 998-1012.	11.8	316