Shanmugasundaram Natesan

List of Publications by Year
in descending order

36	1,693	331259 21	360668 35
papers	citations	h-index	g-index

36	36	36	2456
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Burn wound healing and treatment: review and advancements. Critical Care, 2015, 19, 243.	2.5	603
2	Advancements in Regenerative Strategies Through the Continuum of Burn Care. Frontiers in Pharmacology, 2018, 9, 672.	1.6	73
3	Decellularization and Solubilization of Porcine Liver for Use as a Substrate for Porcine Hepatocyte Culture. Cell Transplantation, 2017, 26, 1840-1854.	1.2	69
4	Development of a Vascularized Skin Construct Using Adipose-Derived Stem Cells from Debrided Burned Skin. Stem Cells International, 2012, 2012, 1-11.	1.2	64
5	Adipose-Derived Stem Cell Delivery into Collagen Gels Using Chitosan Microspheres. Tissue Engineering - Part A, 2010, 16, 1369-1384.	1.6	63
6	A Bilayer Construct Controls Adipose-Derived Stem Cell Differentiation into Endothelial Cells and Pericytes Without Growth Factor Stimulation. Tissue Engineering - Part A, 2011, 17, 941-953.	1.6	59
7	Bilayer Hydrogel With Autologous Stem Cells Derived From Debrided Human Burn Skin for Improved Skin Regeneration. Journal of Burn Care and Research, 2013, 34, 18-30.	0.2	56
8	Debrided Skin as a Source of Autologous Stem Cells for Wound Repair. Stem Cells, 2011, 29, 1219-1230.	1.4	55
9	Platelet rich plasma hydrogels promote in vitro and in vivo angiogenic potential of adipose-derived stem cells. Acta Biomaterialia, 2019, 87, 76-87.	4.1	55
10	Effects of hyaluronic acid conjugation on antiâ€TNFâ€Î± inhibition of inflammation in burns. Journal of Biomedical Materials Research - Part A, 2014, 102, 1527-1536.	2.1	54
11	A PEGylated fibrin-based wound dressing with antimicrobial and angiogenic activity. Acta Biomaterialia, 2011, 7, 2787-2796.	4.1	53
12	Enhanced wound vascularization using a dsASCs seeded FPEG scaffold. Angiogenesis, 2013, 16, 745-757.	3.7	53
13	Development of a Sterile Amniotic Membrane Tissue Graft Using Supercritical Carbon Dioxide. Tissue Engineering - Part C: Methods, 2015, 21, 649-659.	1.1	50
14	Reduction of burn progression with topical delivery of (antitumor necrosis factorâ€Î±)â€hyaluronic acid conjugates. Wound Repair and Regeneration, 2012, 20, 563-572.	1.5	44
15	Delivery of Allogeneic Adipose Stem Cells in Polyethylene Glycol-Fibrin Hydrogels as an Adjunct to Meshed Autografts After Sharp Debridement of Deep Partial Thickness Burns. Stem Cells Translational Medicine, 2018, 7, 360-372.	1.6	42
16	Fibrinâ€based stem cell containing scaffold improves the dynamics of burn wound healing. Wound Repair and Regeneration, 2016, 24, 810-819.	1.5	40
17	A PEGylated platelet free plasma hydrogel based composite scaffold enables stable vascularization and targeted cell delivery for volumetric muscle loss. Acta Biomaterialia, 2018, 65, 150-162.	4.1	38
18	Accelerated Wound Closure of Deep Partial Thickness Burns with Acellular Fish Skin Graft. International Journal of Molecular Sciences, 2021, 22, 1590.	1.8	38

#	Article	IF	Citations
19	Delivery of silver sulfadiazine and adipose derived stem cells using fibrin hydrogel improves infected burn wound regeneration. PLoS ONE, 2019, 14, e0217965.	1.1	30
20	A <scp>PEGylated</scp> fibrin hydrogelâ€based antimicrobial wound dressing controls infection without impeding wound healing. International Wound Journal, 2017, 14, 1248-1257.	1.3	26
21	Impact of Isolated Burns on Major Organs. Shock, 2016, 46, 137-147.	1.0	25
22	In Situ Delivery of Fibrin-Based Hydrogels Prevents Contraction and Reduces Inflammation. Journal of Burn Care and Research, 2017, 39, 1.	0.2	23
23	PEG-Plasma Hydrogels Increase Epithelialization Using a Human Ex Vivo Skin Model. International Journal of Molecular Sciences, 2018, 19, 3156.	1.8	18
24	Tissue Source and Cell Expansion Condition Influence Phenotypic Changes of Adipose-Derived Stem Cells. Stem Cells International, 2017, 2017, 1-15.	1.2	11
25	PEGylated Platelet-Free Blood Plasma-Based Hydrogels for Full-Thickness Wound Regeneration. Advances in Wound Care, 2019, 8, 323-340.	2.6	11
26	Engineering a Bilayered Hydrogel to Control ASC differentiation. Journal of Visualized Experiments, 2012, , e3953.	0.2	6
27	Assessing multimodal optical imaging of perfusion in burn wounds. Burns, 2022, 48, 799-807.	1.1	6
28	Advances in Immunomodulation and Immune Engineering Approaches to Improve Healing of Extremity Wounds. International Journal of Molecular Sciences, 2022, 23, 4074.	1.8	6
29	Peroxisome proliferatorâ€activated receptorâ€Î± agonist and allâ€trans retinoic acid induce epithelial differentiation of subcutaneous adiposeâ€derived stem cells from debrided burn skin. Journal of Cellular Biochemistry, 2019, 120, 9213-9229.	1.2	5
30	Characterization of a Human Platelet Lysate-Loaded Keratin Hydrogel for Wound Healing Applications In Vitro. International Journal of Molecular Sciences, 2022, 23, 4100.	1.8	5
31	Constructing a Collagen Hydrogel for the Delivery of Stem Cell-loaded Chitosan Microspheres. Journal of Visualized Experiments, 2012, , e3624.	0.2	4
32	Enzymatic Debridement of Porcine Burn Wounds via a Novel Protease, SN514. Journal of Burn Care and Research, 2020, 41, 1015-1028.	0.2	3
33	ASCs derived from burn patients are more prone to increased oxidative metabolism and reactive oxygen species upon passaging. Stem Cell Research and Therapy, 2021, 12, 270.	2.4	2
34	Plasmaâ€“Alginate Composite Material Provides Improved Mechanical Support for Stem Cell Growth and Delivery. ACS Applied Bio Materials, 2019, 2, 4271-4282.	2.3	1
35	Mesenchymal Stem Cellâ€“Based Therapies for Repair and Regeneration of Skin Wounds. , 2019, , 173-222.		1
36	Path to â€˜One and Doneâ€™. Journal of Wound Care, 2021, 30, 794-802.	0.5	1