

Louise E Smith

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,138
citations

361045

20
h-index

395343

33
g-index

45
all docs

45
docs citations

45
times ranked

2009
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term adherence of human brain cells in vitro is enhanced by charged amine-based plasma polymer coatings. <i>Stem Cell Reports</i> , 2022, 17, 489-506.	2.3	11
2	Treatment of murine partial thickness scald injuries with multipotent adult progenitor cells decreases inflammation and promotes angiogenesis leading to improved burn injury repair. <i>Wound Repair and Regeneration</i> , 2021, 29, 380-392.	1.5	0
3	Mechanistic Insight in Surface Nanotopography Driven Cellular Migration. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4921-4932.	2.6	2
4	Human multipotent adult progenitor cell-conditioned medium improves wound healing through modulating inflammation and angiogenesis in mice. <i>Stem Cell Research and Therapy</i> , 2020, 11, 299.	2.4	17
5	Human gingival fibroblast secretome accelerates wound healing through anti-inflammatory and pro-angiogenic mechanisms. <i>Npj Regenerative Medicine</i> , 2020, 5, 24.	2.5	38
6	Improved recovery of cryopreserved cell monolayers with a hyaluronic acid surface treatment. <i>Biointerphases</i> , 2020, 15, 061015.	0.6	1
7	Multiparameter toxicity screening on a chip: Effects of UV radiation and titanium dioxide nanoparticles on HaCaT cells. <i>Biomicrofluidics</i> , 2019, 13, 044112.	1.2	3
8	Multipotent adult progenitor cells improve healing of mouse burn wounds. <i>Cytherapy</i> , 2019, 21, e10.	0.3	0
9	Cell sheets in cell therapies. <i>Cytherapy</i> , 2018, 20, 169-180.	0.3	22
10	Development of Advanced Dressings for the Delivery of Progenitor Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3445-3454.	4.0	12
11	The Interplay between Surface Nanotopography and Chemistry Modulates Collagen I and III Deposition by Human Dermal Fibroblasts. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5874-5884.	4.0	24
12	Plasma Polymer and Biomolecule Modification of 3D Scaffolds for Tissue Engineering. <i>Plasma Processes and Polymers</i> , 2016, 13, 678-689.	1.6	20
13	Haptotactic Plasma Polymerized Surfaces for Rapid Tissue Regeneration and Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32675-32687.	4.0	9
14	Developing a Dressing for Topical Delivery of Multipotent Adult Progenitor Cells to Wounds. <i>Cytherapy</i> , 2016, 18, S65.	0.3	0
15	Modelling of cell-tissue interactions in skin. , 2016, , 39-54.		0
16	Chemical and physical processes in the retention of functional groups in plasma polymers studied by plasma phase mass spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4496-4504.	1.3	24
17	Surface optimisation for enhanced cell culture. <i>Cytherapy</i> , 2015, 17, S75.	0.3	0
18	Combination of Low Calcium with Y-27632 Rock Inhibitor Increases the Proliferative Capacity, Expansion Potential and Lifespan of Primary Human Keratinocytes while Retaining Their Capacity to Differentiate into Stratified Epidermis in a 3D Skin Model. <i>PLoS ONE</i> , 2015, 10, e0123651.	1.1	36

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19	Stem Cells for Cutaneous Wound Healing. BioMed Research International, 2015, 2015, 1-11.	0.9	75
20	Plasma Parameter Aspects in the Fabrication of Stable Amine Functionalized Plasma Polymer Films. Plasma Processes and Polymers, 2015, 12, 817-826.	1.6	23
21	Hybrid core/shell microparticles and their use for understanding biological processes. Journal of Colloid and Interface Science, 2015, 457, 9-17.	5.0	18
22	Growth factor binding surfaces for improved cell culture. Cytotherapy, 2015, 17, S67.	0.3	0
23	Gradient technologies for optimising biomaterials for cell screening. Cytotherapy, 2015, 17, S72.	0.3	0
24	Effect of Surface Chemical Functionalities on Collagen Deposition by Primary Human Dermal Fibroblasts. ACS Applied Materials & Interfaces, 2015, 7, 23767-23775.	4.0	31
25	Antibacterial Efficacy and Cytotoxicity of Silver Nanoparticle Based Coatings Facilitated by a Plasma Polymer Interlayer. Plasma Medicine, 2014, 4, 101-115.	0.2	6
26	Substrate independent silver nanoparticle based antibacterial coatings. Biomaterials, 2014, 35, 4601-4609.	5.7	133
27	Development of a surface to enhance the effectiveness of fibroblast growth factor 2 (FGF-2). Biomaterials Science, 2014, 2, 875-882.	2.6	11
28	Small surface nanotopography encourages fibroblast and osteoblast cell adhesion. RSC Advances, 2013, 3, 10309.	1.7	59
29	The influence of substrate stiffness gradients on primary human dermal fibroblasts. Biomaterials, 2013, 34, 5070-5077.	5.7	90
30	A substrate independent approach for generation of surface gradients. Thin Solid Films, 2013, 528, 106-110.	0.8	52
31	A Chemically Defined Carrier for the Delivery of Human Mesenchymal Stem/Stromal Cells to Skin Wounds. Tissue Engineering - Part C: Methods, 2012, 18, 143-155.	1.1	29
32	Transplantation of oral mucosa explants using different biological and synthetic membranes in an attempt to achieve one-stage reconstruction of soft tissue defects. Oral Surgery, 2012, 5, 118-126.	0.1	1
33	Production of Tissue-Engineered Skin and Oral Mucosa for Clinical and Experimental Use. Methods in Molecular Biology, 2011, 695, 129-153.	0.4	39
34	Evaluating the use of optical coherence tomography for the detection of epithelial cancers in vitro. Journal of Biomedical Optics, 2011, 16, 116015.	1.4	12
35	State of the art in non-invasive imaging of cutaneous melanoma. Skin Research and Technology, 2011, 17, 257-269.	0.8	90
36	Speckle texture analysis of optical coherence tomography images. Proceedings of SPIE, 2010, , .	0.8	2

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37	Using swept source optical coherence tomography to monitor wound healing in tissue engineered skin. , 2010, , .		6
38	Quantum Dot Superluminescent Diodes for Optical Coherence Tomography: Skin Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 748-754.	1.9	31
39	Quantum Dot Superluminescent Diodes for Optical Coherence Tomography: Device Engineering. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1015-1022.	1.9	46
40	A comparison of imaging methodologies for 3D tissue engineering. Microscopy Research and Technique, 2010, 73, 1123-1133.	1.2	68
41	Using swept-source optical coherence tomography to monitor the formation of neo-epidermis in tissue-engineered skin. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 652-658.	1.3	27
42	Optical coherence tomography with high power quantum-dot superluminescent diodes. , 2009, , .		0
43	Synthesis and Properties of Functional Poly(vinylpyrrolidinone) Hydrogels for Drug Delivery. ACS Symposium Series, 2008, , 196-203.	0.5	3
44	Ex vivo and in vivo OCT image contrast. Proceedings of SPIE, 2008, , .	0.8	1
45	Examination of the effects of poly(N-vinylpyrrolidinone) hydrogels in direct and indirect contact with cells. Biomaterials, 2006, 27, 2806-2812.	5.7	66