

# 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	Substrate independent silver nanoparticle based antibacterial coatings. <i>Biomaterials</i> , 2014, 35, 4601-4609.	5.7	133
2	State of the art in non-invasive imaging of cutaneous melanoma. <i>Skin Research and Technology</i> , 2011, 17, 257-269.	0.8	90
3	The influence of substrate stiffness gradients on primary human dermal fibroblasts. <i>Biomaterials</i> , 2013, 34, 5070-5077.	5.7	90
4	Stem Cells for Cutaneous Wound Healing. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	75
5	A comparison of imaging methodologies for 3D tissue engineering. <i>Microscopy Research and Technique</i> , 2010, 73, 1123-1133.	1.2	68
6	Examination of the effects of poly(N-vinylpyrrolidone) hydrogels in direct and indirect contact with cells. <i>Biomaterials</i> , 2006, 27, 2806-2812.	5.7	66
7	Small surface nanotopography encourages fibroblast and osteoblast cell adhesion. <i>RSC Advances</i> , 2013, 3, 10309.	1.7	59
8	A substrate independent approach for generation of surface gradients. <i>Thin Solid Films</i> , 2013, 528, 106-110.	0.8	52
9	Quantum Dot Superluminescent Diodes for Optical Coherence Tomography: Device Engineering. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1015-1022.	1.9	46
10	Production of Tissue-Engineered Skin and Oral Mucosa for Clinical and Experimental Use. <i>Methods in Molecular Biology</i> , 2011, 695, 129-153.	0.4	39
11	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
12	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
13	Quantum Dot Superluminescent Diodes for Optical Coherence Tomography: Skin Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 748-754.	1.9	31
14	Effect of Surface Chemical Functionalities on Collagen Deposition by Primary Human Dermal Fibroblasts. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23767-23775.	4.0	31
15	A Chemically Defined Carrier for the Delivery of Human Mesenchymal Stem/Stromal Cells to Skin Wounds. <i>Tissue Engineering - Part C: Methods</i> , 2012, 18, 143-155.	1.1	29
16	Using swept-source optical coherence tomography to monitor the formation of neo-epidermis in tissue-engineered skin. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2010, 4, 652-658.	1.3	27
17	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
18	The Interplay between Surface Nanotopography and Chemistry Modulates Collagen I and III Deposition by Human Dermal Fibroblasts. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5874-5884.	4.0	24

#	ARTICLE	IF	CITATIONS
19	Plasma Parameter Aspects in the Fabrication of Stable Amine Functionalized Plasma Polymer Films. <i>Plasma Processes and Polymers</i> , 2015, 12, 817-826.	1.6	23
20	Cell sheets in cell therapies. <i>Cytotherapy</i> , 2018, 20, 169-180.	0.3	22
21	Plasma Polymer and Biomolecule Modification of 3D Scaffolds for Tissue Engineering. <i>Plasma Processes and Polymers</i> , 2016, 13, 678-689.	1.6	20
22	Hybrid core/shell microparticles and their use for understanding biological processes. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 9-17.	5.0	18
23	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
24	Evaluating the use of optical coherence tomography for the detection of epithelial cancers in vitro. <i>Journal of Biomedical Optics</i> , 2011, 16, 116015.	1.4	12
25	Development of Advanced Dressings for the Delivery of Progenitor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3445-3454.	4.0	12
26	Development of a surface to enhance the effectiveness of fibroblast growth factor 2 (FGF-2). <i>Biomaterials Science</i> , 2014, 2, 875-882.	2.6	11
27	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
28	Haptotactic Plasma Polymerized Surfaces for Rapid Tissue Regeneration and Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32675-32687.	4.0	9
29	Using swept source optical coherence tomography to monitor wound healing in tissue engineered skin. , 2010, , .		6
30	Antibacterial Efficacy and Cytotoxicity of Silver Nanoparticle Based Coatings Facilitated by a Plasma Polymer Interlayer. <i>Plasma Medicine</i> , 2014, 4, 101-115.	0.2	6
31	Synthesis and Properties of Functional Poly(vinylpyrrolidone) Hydrogels for Drug Delivery. <i>ACS Symposium Series</i> , 2008, , 196-203.	0.5	3
32	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
33	Speckle texture analysis of optical coherence tomography images. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
34	Mechanistic Insight in Surface Nanotopography Driven Cellular Migration. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4921-4932.	2.6	2
35	Ex vivo and in vivo OCT image contrast. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
36	Transplantation of oral mucosa explants using different biological and synthetic membranes in an attempt to achieve one-stage reconstruction of soft tissue defects. <i>Oral Surgery</i> , 2012, 5, 118-126.	0.1	1

#	ARTICLE	IF	CITATIONS
37	Improved recovery of cryopreserved cell monolayers with a hyaluronic acid surface treatment. <i>Biointerphases</i> , 2020, 15, 061015.	0.6	1
38	Optical coherence tomography with high power quantum-dot superluminescent diodes. , 2009, , .		0
39	Surface optimisation for enhanced cell culture. <i>Cytotherapy</i> , 2015, 17, S75.	0.3	0
40	Growth factor binding surfaces for improved cell culture. <i>Cytotherapy</i> , 2015, 17, S67.	0.3	0
41	Gradient technologies for optimising biomaterials for cell screening. <i>Cytotherapy</i> , 2015, 17, S72.	0.3	0
42	Developing a Dressing for Topical Delivery of Multipotent Adult Progenitor Cells to Wounds. <i>Cytotherapy</i> , 2016, 18, S65.	0.3	0
43	Modelling of cell-tissue interactions in skin. , 2016, , 39-54.		0
44	Multipotent adult progenitor cells improve healing of mouse burn wounds. <i>Cytotherapy</i> , 2019, 21, e10.	0.3	0
45	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