

Sheila MacNeil

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

2,211
citations

22
h-index

47
g-index

51
ext. papers

2,546
ext. citations

5.8
avg, IF

5.54
L-index

#	Paper	IF	Citations
47	A novel characterisation approach to reveal the mechano-chemical effects of oxidation and dynamic distension on polypropylene surgical mesh.. <i>RSC Advances</i> , 2021 , 11, 34710-34723	3.7	2
46	Delivery of Bioactive Compounds to Improve Skin Cell Responses on Microfabricated Electrospun Microenvironments. <i>Bioengineering</i> , 2021 , 8,	5.3	1
45	Simulation of the process of angiogenesis: Quantification and assessment of vascular patterning in the chicken chorioallantoic membrane. <i>Computers in Biology and Medicine</i> , 2021 , 136, 104647	7	3
44	Decellularised extracellular matrix decorated PCL PolyHIPE scaffolds for enhanced cellular activity, integration and angiogenesis. <i>Biomaterials Science</i> , 2021 , 9, 7297-7310	7.4	2
43	Developing affordable and accessible pro-angiogenic wound dressings; incorporation of 2 deoxy D-ribose (2dDR) into cotton fibres and wax-coated cotton fibres. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 973-988	4.4	4
42	2-deoxy-d-ribose (2dDR) upregulates vascular endothelial growth factor (VEGF) and stimulates angiogenesis. <i>Microvascular Research</i> , 2020 , 131, 104035	3.7	8
41	Corneal Infection Models: Tools to Investigate the Role of Biofilms in Bacterial Keratitis. <i>Cells</i> , 2020 , 9,	7.9	15
40	A Novel Bilayer Polycaprolactone Membrane for Guided Bone Regeneration: Combining Electrospinning and Emulsion Templating. <i>Materials</i> , 2019 , 12,	3.5	35
39	Landmarks in vaginal mesh development: polypropylene mesh for treatment of SUI and POP. <i>Nature Reviews Urology</i> , 2019 , 16, 675-689	5.5	18
38	Using Chick Chorioallantoic Membrane (CAM) Assay To Evaluate the Biocompatibility and Angiogenic Response to Biomaterials. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 3190-3200	5.5	30
37	Exploration of 2-deoxy-D-ribose and 17 β Estradiol as alternatives to exogenous VEGF to promote angiogenesis in tissue-engineered constructs. <i>Regenerative Medicine</i> , 2019 , 14, 179-197	2.5	20
36	An estradiol releasing, proangiogenic hydrogel as a candidate material for use in soft tissue interposition. <i>Neurourology and Urodynamics</i> , 2019 , 38, 1195-1202	2.3	3
35	Recent advances in pelvic floor repair. <i>F1000Research</i> , 2019 , 8,	3.6	12
34	Decellularised baby spinach leaves and their potential use in tissue engineering applications: Studying and promoting neovascularisation. <i>Journal of Biomaterials Applications</i> , 2019 , 34, 546-559	2.9	18
33	Addition of 2-deoxy-d-ribose to clinically used alginate dressings stimulates angiogenesis and accelerates wound healing in diabetic rats. <i>Journal of Biomaterials Applications</i> , 2019 , 34, 463-475	2.9	15
32	Assessment of the Angiogenic Potential of 2-Deoxy-D-Ribose Using a Novel 3D Dynamic Model in Comparison With Established Assays. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 451	5.8	13
31	Improving the biocompatibility of biomaterial constructs and constructs delivering cells for the pelvic floor. <i>Current Opinion in Urology</i> , 2019 , 29, 419-425	2.8	3

30	Tissue engineering for the pelvic floor. <i>Current Opinion in Urology</i> , 2019 , 29, 426-430	2.8	2
29	Designing new synthetic materials for use in the pelvic floor: what is the problem with the existing polypropylene materials?. <i>Current Opinion in Urology</i> , 2019 , 29, 407-413	2.8	6
28	Use of a simple in vitro fatigue test to assess materials used in the surgical treatment of stress urinary incontinence and pelvic organ prolapse. <i>Neurourology and Urodynamics</i> , 2019 , 38, 107-115	2.3	9
27	Demonstration of improved tissue integration and angiogenesis with an elastic, estradiol releasing polyurethane material designed for use in pelvic floor repair. <i>Neurourology and Urodynamics</i> , 2018 , 37, 716-725	2.3	29
26	A simple rocker-induced mechanical stimulus upregulates mineralization by human osteoprogenitor cells in fibrous scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 370-381	4.4	12
25	Antibiotic functionalised polymers reduce bacterial biofilm and bioburden in a simulated infection of the cornea. <i>Biomaterials Science</i> , 2018 , 6, 2101-2109	7.4	12
24	An Improved Methodology to Visualise Tumour Induced Changes in Vasculature Using the Chick Chorionic Allantoic Membrane Assay. <i>In Vivo</i> , 2018 , 32, 461-472	2.3	15
23	Consensus Statement of the European Urology Association and the European Urogynaecological Association on the Use of Implanted Materials for Treating Pelvic Organ Prolapse and Stress Urinary Incontinence. <i>European Urology</i> , 2017 , 72, 424-431	10.2	114
22	Development of a UV crosslinked biodegradable hydrogel containing adipose derived stem cells to promote vascularization for skin wounds and tissue engineering. <i>Biomaterials</i> , 2017 , 129, 188-198	15.6	217
21	Deoxy-sugar releasing biodegradable hydrogels promote angiogenesis and stimulate wound healing. <i>Materials Today Communications</i> , 2017 , 13, 295-305	2.5	12
20	Ex vivo rabbit and human corneas as models for bacterial and fungal keratitis. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 333-342	3.8	33
19	Evaluating Alternative Materials for the Treatment of Stress Urinary Incontinence and Pelvic Organ Prolapse: A Comparison of the In Vivo Response to Meshes Implanted in Rabbits. <i>Journal of Urology</i> , 2016 , 196, 261-9	2.5	30
18	Biodegradable scaffolds designed to mimic fascia-like properties for the treatment of pelvic organ prolapse and stress urinary incontinence. <i>Journal of Biomaterials Applications</i> , 2016 , 30, 1578-88	2.9	22
17	Production of ascorbic acid releasing biomaterials for pelvic floor repair. <i>Acta Biomaterialia</i> , 2016 , 29, 188-197	10.8	27
16	Developing Repair Materials for Stress Urinary Incontinence to Withstand Dynamic Distension. <i>PLoS ONE</i> , 2016 , 11, e0149971	3.7	13
15	Application of Tissue Engineering to Pelvic Organ Prolapse and Stress Urinary Incontinence. <i>LUTS: Lower Urinary Tract Symptoms</i> , 2015 , 7, 63-70	1.9	14
14	Biomaterials for pelvic floor reconstructive surgery: how can we do better?. <i>BioMed Research International</i> , 2015 , 2015, 968087	3	38
13	Faster resonance energy transfer confirms the bacterial-induced conformational transition in highly-branched poly(N-isopropyl acrylamide with vancomycin end groups on binding to Staphylococcus aureus. <i>Soft Matter</i> , 2014 , 10, 5824-35	3.6	13

12	Monitoring fibrous scaffold guidance of three-dimensional collagen organisation using minimally-invasive second harmonic generation. <i>PLoS ONE</i> , 2014 , 9, e89761	3.7	22
11	Acute in vivo response to an alternative implant for urogynecology. <i>BioMed Research International</i> , 2014 , 2014, 853610	3	25
10	Developing a tissue engineered repair material for treatment of stress urinary incontinence and pelvic organ prolapse-which cell source?. <i>Neurourology and Urodynamics</i> , 2014 , 33, 531-7	2.3	53
9	Comparison of candidate scaffolds for tissue engineering for stress urinary incontinence and pelvic organ prolapse repair. <i>BJU International</i> , 2013 , 112, 674-85	5.6	56
8	Development of bilayer and trilayer nanofibrous/microfibrous scaffolds for regenerative medicine. <i>Biomaterials Science</i> , 2013 , 1, 942-951	7.4	36
7	Are biomechanical properties predictive of the success of prostheses used in stress urinary incontinence and pelvic organ prolapse? A systematic review. <i>Neurourology and Urodynamics</i> , 2012 , 31, 13-21	2.3	42
6	Highly branched polymers with polymyxin end groups responsive to <i>Pseudomonas aeruginosa</i> . <i>Biomacromolecules</i> , 2011 , 12, 1-5	6.9	32
5	Hyperbranched poly(NIPAM) polymers modified with antibiotics for the reduction of bacterial burden in infected human tissue engineered skin. <i>Biomaterials</i> , 2011 , 32, 258-67	15.6	58
4	Binding bacteria to highly branched poly(N-isopropyl acrylamide) modified with vancomycin induces the coil-to-globule transition. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1736-7	16.4	50
3	Sub-micron poly(N-isopropylacrylamide) particles as temperature responsive vehicles for the detachment and delivery of human cells. <i>Soft Matter</i> , 2009 , 5, 4928	3.6	27
2	Development of biodegradable electrospun scaffolds for dermal replacement. <i>Biomaterials</i> , 2008 , 29, 3091-104	15.6	191
1	Progress and opportunities for tissue-engineered skin. <i>Nature</i> , 2007 , 445, 874-80	50.4	797