

Sheila MacNeil

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6792349/publications.pdf>

Version: 2024-02-01

51
papers

2,904
citations

236612

25
h-index

197535

49
g-index

51
all docs

51
docs citations

51
times ranked

4109
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress and opportunities for tissue-engineered skin. <i>Nature</i> , 2007, 445, 874-880.	13.7	935
2	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.	5.7	317
3	Development of biodegradable electrospun scaffolds for dermal replacement. <i>Biomaterials</i> , 2008, 29, 3091-3104.	5.7	212
4	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.	0.9	165
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, 258-267.	5.7	65
6	A Novel Bilayer Polycaprolactone Membrane for Guided Bone Regeneration: Combining Electrospinning and Emulsion Templating. <i>Materials</i> , 2019, 12, 2643.	1.3	64
7	Comparison of candidate scaffolds for tissue engineering for stress urinary incontinence and pelvic organ prolapse repair. <i>BJU International</i> , 2013, 112, 674-685.	1.3	61
8	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, 531-537.	0.8	61
9	Using <i>ex Ovo</i> 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.	2.6	60
10	Binding Bacteria to Highly Branched Poly(<i>N</i> -isopropyl acrylamide) Modified with Vancomycin Induces the Coil-to-Globule Transition. <i>Journal of the American Chemical Society</i> , 2010, 132, 1736-1737.	6.6	55
11	Biomaterials for Pelvic Floor Reconstructive Surgery: How Can We Do Better?. <i>BioMed Research International</i> , 2015, 2015, 1-20.	0.9	50
12	Ex vivo rabbit and human corneas as models for bacterial and fungal keratitis. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 333-342.	1.0	48
13	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.	0.8	46
14	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.	1.2	43
15	Production of ascorbic acid releasing biomaterials for pelvic floor repair. <i>Acta Biomaterialia</i> , 2016, 29, 188-197.	4.1	42
16	Landmarks in vaginal mesh development: polypropylene mesh for treatment of SUI and POP. <i>Nature Reviews Urology</i> , 2019, 16, 675-689.	1.9	39
17	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.	0.8	38
18	Development of bilayer and trilayer nanofibrous/microfibrous scaffolds for regenerative medicine. <i>Biomaterials Science</i> , 2013, 1, 942.	2.6	37

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19	Corneal Infection Models: Tools to Investigate the Role of Biofilms in Bacterial Keratitis. <i>Cells</i> , 2020, 9, 2450.	1.8	37
20	Highly Branched Polymers with Polymyxin End Groups Responsive to <i>Pseudomonas aeruginosa</i> . <i>Biomacromolecules</i> , 2011, 12, 1-5.	2.6	35
21	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, 261-269.	0.2	33
22	Monitoring Fibrous Scaffold Guidance of Three-Dimensional Collagen Organisation Using Minimally-Invasive Second Harmonic Generation. <i>PLoS ONE</i> , 2014, 9, e89761.	1.1	30
23	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.	1.2	28
24	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.	0.8	28
25	Assessment of the Angiogenic Potential of 2-Deoxy-D-Ribose Using a Novel in vitro 3D Dynamic Model in Comparison With Established in vitro Assays. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 451.	2.0	28
26	Acute In Vivo Response to an Alternative Implant for Urogynecology. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	27
27	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, 1578-1588.	1.2	25
28	Recent advances in pelvic floor repair. <i>F1000Research</i> , 2019, 8, 778.	0.8	23
29	Application of Tissue Engineering to Pelvic Organ Prolapse and Stress Urinary Incontinence. <i>LUTS: Lower Urinary Tract Symptoms</i> , 2015, 7, 63-70.	0.6	22
30	Deoxy-sugar releasing biodegradable hydrogels promote angiogenesis and stimulate wound healing. <i>Materials Today Communications</i> , 2017, 13, 295-305.	0.9	22
31	Decellularised extracellular matrix decorated PCL PolyHIPE scaffolds for enhanced cellular activity, integration and angiogenesis. <i>Biomaterials Science</i> , 2021, 9, 7297-7310.	2.6	22
32	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.	1.3	21
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.	1.2	20
34	2-deoxy-d-ribose (2dDR) upregulates vascular endothelial growth factor (VEGF) and stimulates angiogenesis. <i>Microvascular Research</i> , 2020, 131, 104035.	1.1	19
35	An Improved In Vivo Methodology to Visualise Tumour Induced Changes in Vasculature Using the Chick Chorionic Allantoic Membrane Assay. <i>In Vivo</i> , 2018, 32, 461-472.	0.6	18
36	Developing Repair Materials for Stress Urinary Incontinence to Withstand Dynamic Distension. <i>PLoS ONE</i> , 2016, 11, e0149971.	1.1	16

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37	Förster resonance energy transfer confirms the bacterial-induced conformational transition in		
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