

Sophie Cox

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9453395/sophie-cox-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

49
papers

959
citations

15
h-index

30
g-index

53
ext. papers

1,296
ext. citations

6.4
avg, IF

4.63
L-index

#	Paper	IF	Citations
49	Controlled Release of Epigenetically-Enhanced Extracellular Vesicles from a GelMA/Nanoclay Composite Hydrogel to Promote Bone Repair.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	3
48	Formulation of an antibacterial topical cream containing bioengineered honey that generates reactive oxygen species.. <i>Materials Science and Engineering C</i> , 2022 , 112664	8.3	
47	Photocurable antimicrobial silk-based hydrogels for corneal repair.. <i>Journal of Biomedical Materials Research - Part A</i> , 2022 ,	5.4	1
46	An ECM-Mimetic Hydrogel to Promote the Therapeutic Efficacy of Osteoblast-Derived Extracellular Vesicles for Bone Regeneration.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 829969	5.8	2
45	Hydrostatic pressure promotes chondrogenic differentiation and microvesicle release from human embryonic and bone marrow stem cells.. <i>Biotechnology Journal</i> , 2021 , e2100401	5.6	2
44	A feasible route for the design and manufacture of customised respiratory protection through digital facial capture. <i>Scientific Reports</i> , 2021 , 11, 21449	4.9	0
43	Development of a Bone-Mimetic 3D Printed Ti6Al4V Scaffold to Enhance Osteoblast-Derived Extracellular Vesicles Therapeutic Efficacy for Bone Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 757220	5.8	7
42	The influence of zirconium content on the microstructure, mechanical properties, and biocompatibility of in-situ alloying Ti-Nb-Ta based Alloys processed by selective laser melting. <i>Materials Science and Engineering C</i> , 2021 , 131, 112486	8.3	2
41	Biofilm viability checker: An open-source tool for automated biofilm viability analysis from confocal microscopy images. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 44	8.2	3
40	Epigenetic reprogramming enhances the therapeutic efficacy of osteoblast-derived extracellular vesicles to promote human bone marrow stem cell osteogenic differentiation. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12118	16.4	12
39	Formulation of an antimicrobial superabsorbent powder that gels in situ to produce reactive oxygen. <i>Materials Science and Engineering C</i> , 2021 , 118, 111479	8.3	4
38	Formulation of a reactive oxygen producing calcium sulphate cement as an anti-bacterial hard tissue scaffold. <i>Scientific Reports</i> , 2021 , 11, 4491	4.9	1
37	Formulation of inherently antimicrobial magnesium oxychloride cement and the effect of supplementation with silver phosphate. <i>Materials Science and Engineering C</i> , 2021 , 126, 112158	8.3	1
36	Repeated exposure of nosocomial pathogens to silver does not select for silver resistance but does impact ciprofloxacin susceptibility. <i>Acta Biomaterialia</i> , 2021 , 134, 760-773	10.8	0
35	Methacrylated Silk Fibroin Hydrogels: pH as a Tool to Control Functionality. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4779-4791	5.5	3
34	Post Processing of 3D Printed Metal Scaffolds: a Preliminary Study of Antimicrobial Efficiency. <i>Procedia Manufacturing</i> , 2020 , 47, 1106-1112	1.5	11
33	A review of co-culture models to study the oral microenvironment and disease. <i>Journal of Oral Microbiology</i> , 2020 , 12, 1773122	6.3	13

32	Reducing MRI susceptibility artefacts in implants using additively manufactured porous Ti-6Al-4V structures. <i>Acta Biomaterialia</i> , 2020 , 107, 338-348	10.8	9
31	Selective Laser Melting of Ti-6Al-4V: The Impact of Post-processing on the Tensile, Fatigue and Biological Properties for Medical Implant Applications. <i>Materials</i> , 2020 , 13,	3.5	30
30	Filling the Gap: A Correlation between Objective and Subjective Measures of Injectability. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901521	10.1	12
29	The Quantification of Injectability by Mechanical Testing. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	2
28	Hexametaphosphate as a potential therapy for the dissolution and prevention of kidney stones. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5215-5224	7.3	6
27	A design approach to facilitate selective attachment of bacteria and mammalian cells to additively manufactured implants. <i>Additive Manufacturing</i> , 2020 , 36, 101528	6.1	4
26	Engineered Extracellular Vesicles: Tailored-Made Nanomaterials for Medical Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	38
25	A call for action to the biomaterial community to tackle antimicrobial resistance. <i>Biomaterials Science</i> , 2020 , 8, 4951-4974	7.4	15
24	Clinical, industrial, and research perspectives on powder bed fusion additively manufactured metal implants. <i>Additive Manufacturing</i> , 2019 , 28, 565-584	6.1	46
23	Antimicrobial emulsions: Formulation of a triggered release reactive oxygen delivery system. <i>Materials Science and Engineering C</i> , 2019 , 103, 109735	8.3	4
22	Osteoblast-Derived Vesicle Protein Content Is Temporally Regulated During Osteogenesis: Implications for Regenerative Therapies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 92	5.8	8
21	Physical Structuring of Injectable Polymeric Systems to Controllably Deliver Nanosized Extracellular Vesicles. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801604	10.1	15
20	Dynamic viscoelastic characterisation of human osteochondral tissue: understanding the effect of the cartilage-bone interface. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 575	2.8	6
19	Critical and diverse roles of phosphates in human bone formation. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 7460-7470	7.3	14
18	The role of subchondral bone, and its histomorphology, on the dynamic viscoelasticity of cartilage, bone and osteochondral cores. <i>Osteoarthritis and Cartilage</i> , 2019 , 27, 535-543	6.2	18
17	The design of additively manufactured lattices to increase the functionality of medical implants. <i>Materials Science and Engineering C</i> , 2019 , 94, 901-908	8.3	47
16	Formulation and viscoelasticity of mineralised hydrogels for use in bone-cartilage interfacial reconstruction. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 80, 33-41	4.1	5
15	Tailoring selective laser melting process for titanium drug-delivering implants with releasing micro-channels. <i>Additive Manufacturing</i> , 2018 , 20, 144-155	6.1	37

14	Interfacial Mineral Fusion and Tubule Entanglement as a Means to Harden a Bone Augmentation Material. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701166	10.1	12
13	Additive Manufacturing of Titanium Alloys for Orthopedic Applications: A Materials Science Viewpoint. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800172	3.5	26
12	The role of extracellular vesicles in biomineralisation: current perspective and application in regenerative medicine. <i>Journal of Tissue Engineering</i> , 2018 , 9, 2041731418810130	7.5	26
11	A cohesive premixed monetite biocement. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1241-1249	3.8	6
10	Suspended Manufacture of Biological Structures. <i>Advanced Materials</i> , 2017 , 29, 1605594	24	57
9	Reactive oxygen: A novel antimicrobial mechanism for targeting biofilm-associated infection. <i>Journal of Global Antimicrobial Resistance</i> , 2017 , 8, 186-191	3.4	22
8	Calcium pre-conditioning substitution enhances viability and glucose sensitivity of pancreatic beta-cells encapsulated using polyelectrolyte multilayer coating method. <i>Scientific Reports</i> , 2017 , 7, 431719	4.9	4
7	Biologically Analogous Calcium Phosphate Tubes from a Chemical Garden. <i>Langmuir</i> , 2017 , 33, 2059-2067	7	17
6	Surface Finish has a Critical Influence on Biofilm Formation and Mammalian Cell Attachment to Additively Manufactured Prosthetics. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1616-1626	5.5	26
5	Encapsulation and Fluidization Maintains the Viability and Glucose Sensitivity of Beta-Cells. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1750-1757	5.5	7
4	Modification of gellan gum with nanocrystalline hydroxyapatite facilitates cell expansion and spontaneous osteogenesis. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1568-76	4.9	12
3	Adding functionality with additive manufacturing: Fabrication of titanium-based antibiotic eluting implants. <i>Materials Science and Engineering C</i> , 2016 , 64, 407-415	8.3	52
2	3D printing of porous hydroxyapatite scaffolds intended for use in bone tissue engineering applications. <i>Materials Science and Engineering C</i> , 2015 , 47, 237-47	8.3	307
1	Determining the Structure of Hexametaphosphate by Titration and ³¹ P-NMR Spectroscopy. <i>Comments on Inorganic Chemistry</i> , 1-13	3.9	