

Christina M Tringides

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

17,745
citations

361045

20
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

22859
citing authors

#	ARTICLE	IF	CITATIONS
1	Alginate: Properties and biomedical applications. <i>Progress in Polymer Science</i> , 2012, 37, 106-126.	11.8	5,658
2	Highly stretchable and tough hydrogels. <i>Nature</i> , 2012, 489, 133-136.	13.7	4,089
3	Alginate hydrogels as synthetic extracellular matrix materials. <i>Biomaterials</i> , 1999, 20, 45-53.	5.7	2,025
4	Hydrogels with tunable stress relaxation regulate stem cell fate and activity. <i>Nature Materials</i> , 2016, 15, 326-334.	13.3	1,650
5	Effects of extracellular matrix viscoelasticity on cellular behaviour. <i>Nature</i> , 2020, 584, 535-546.	13.7	1,045
6	Extracellular matrix stiffness and composition jointly regulate the induction of malignant phenotypes in mammary epithelium. <i>Nature Materials</i> , 2014, 13, 970-978.	13.3	689
7	Substrate stress relaxation regulates cell spreading. <i>Nature Communications</i> , 2015, 6, 6364.	5.8	637
8	Multifunctional fibers for simultaneous optical, electrical and chemical interrogation of neural circuits in vivo. <i>Nature Biotechnology</i> , 2015, 33, 277-284.	9.4	532
9	Biomaterial-assisted targeted modulation of immune cells in cancer treatment. <i>Nature Materials</i> , 2018, 17, 761-772.	13.3	352
10	Biomaterials Functionalized with MSC Secreted Extracellular Vesicles and Soluble Factors for Tissue Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 1909125.	7.8	204
11	Viscoelastic surface electrode arrays to interface with viscoelastic tissues. <i>Nature Nanotechnology</i> , 2021, 16, 1019-1029.	15.6	144
12	Comparison of biomaterial delivery vehicles for improving acute retention of stem cells in the infarcted heart. <i>Biomaterials</i> , 2014, 35, 6850-6858.	5.7	140
13	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15392-15397.	3.3	124
14	Metabolic labeling and targeted modulation of dendritic cells. <i>Nature Materials</i> , 2020, 19, 1244-1252.	13.3	99
15	Injectable, Pore-Forming Hydrogels for In Vivo Enrichment of Immature Dendritic Cells. <i>Advanced Healthcare Materials</i> , 2015, 4, 2677-2687.	3.9	92
16	Multicomponent Injectable Hydrogels for Antigen-Specific Tolerogenic Immune Modulation. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600773.	3.9	79
17	Switchable Release of Entrapped Nanoparticles from Alginate Hydrogels. <i>Advanced Healthcare Materials</i> , 2015, 4, 1634-1639.	3.9	50
18	Microstructured thin-film electrode technology enables proof of concept of scalable, soft auditory brainstem implants. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	47

#	ARTICLE	IF	CITATIONS
19	Engineering reversible elasticity in ductile and brittle thin films supported by a plastic foil. <i>Extreme Mechanics Letters</i> , 2017, 15, 63-69.	2.0	26
20	Mechanical checkpoint regulates monocyte differentiation in fibrotic niches. <i>Nature Materials</i> , 2022, 21, 939-950.	13.3	22
21	Materials for Implantable Surface Electrode Arrays: Current Status and Future Directions. <i>Advanced Materials</i> , 2022, 34, e2107207.	11.1	21
22	Biomimetic versus sintered macroporous calcium phosphate scaffolds enhanced bone regeneration and human mesenchymal stromal cell engraftment in calvarial defects. <i>Acta Biomaterialia</i> , 2021, 135, 689-704.	4.1	13
23	Mechanical Checkpoint Regulates Monocyte Differentiation in Fibrotic Matrix. <i>Blood</i> , 2021, 138, 2539-2539.	0.6	5