

Giselle C Yeo

List of Publications by Year in descending order

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28
papers

1,016
citations

430442

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29
all docs

29
docs citations

29
times ranked

1228
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic Culture Strategies for the Clinical Expansion of Mesenchymal Stromal Cells. ACS Biomaterials Science and Engineering, 2023, 9, 3742-3759.	2.6	5
2	Emerging concepts in bone repair and the premise of soft materials. Current Opinion in Biotechnology, 2022, 74, 220-229.	3.3	19
3	Extracellular Vesicles: Interplay with the Extracellular Matrix and Modulated Cell Responses. International Journal of Molecular Sciences, 2022, 23, 3389.	1.8	34
4	Domains 12 to 16 of tropoelastin promote cell attachment and spreading through interactions with glycosaminoglycan and integrins alphaV and alpha5beta1. FEBS Journal, 2021, 288, 4024-4038.	2.2	10
5	Hydrogel-Solid Hybrid Materials for Biomedical Applications Enabled by Surface-Embedded Radicals. Advanced Functional Materials, 2020, 30, 2004599.	7.8	26
6	Soluble matrix protein is a potent modulator of mesenchymal stem cell performance. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2042-2051.	3.3	45
7	Hierarchical assembly of elastin materials. Current Opinion in Chemical Engineering, 2019, 24, 54-60.	3.8	17
8	A New Vascular Engineering Strategy Using 3D Printed Ice. Trends in Biotechnology, 2019, 37, 451-453.	4.9	4
9	Tropoelastin is a Flexible Molecule that Retains its Canonical Shape. Macromolecular Bioscience, 2019, 19, 1800250.	2.1	19
10	Plasma-Activated Substrate with a Tropoelastin Anchor for the Maintenance and Delivery of Multipotent Adult Progenitor Cells. Macromolecular Bioscience, 2019, 19, 1800233.	2.1	5
11	The elastin matrix in tissue engineering and regeneration. Current Opinion in Biomedical Engineering, 2018, 6, 27-32.	1.8	24
12	Plasma ion implantation enabled bio-functionalization of PEEK improves osteoblastic activity. APL Bioengineering, 2018, 2, 026109.	3.3	31
13	Molecular model of human tropoelastin and implications of associated mutations. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7338-7343.	3.3	35
14	Tropoelastin coated PLLA-PLGA scaffolds promote vascular network formation. Biomaterials, 2017, 122, 72-82.	5.7	51
15	A sterilizable, biocompatible, tropoelastin surface coating immobilized by energetic ion activation. Journal of the Royal Society Interface, 2017, 14, 20160837.	1.5	19
16	A cell adhesive peptide from tropoelastin promotes sequential cell attachment and spreading via distinct receptors. FEBS Journal, 2017, 284, 2216-2230.	2.2	27
17	Targeted Modulation of Tropoelastin Structure and Assembly. ACS Biomaterials Science and Engineering, 2017, 3, 2832-2844.	2.6	16
18	Plasma-Activated Tropoelastin Functionalization of Zirconium for Improved Bone Cell Response. ACS Biomaterials Science and Engineering, 2016, 2, 662-676.	2.6	23

#	ARTICLE	IF	CITATIONS
19	Subtle balance of tropoelastin molecular shape and flexibility regulates dynamics and hierarchical assembly. <i>Science Advances</i> , 2016, 2, e1501145.	4.7	43
20	Blended Polyurethane and Tropoelastin as a Novel Class of Biologically Interactive Elastomer. <i>Tissue Engineering - Part A</i> , 2016, 22, 524-533.	1.6	16
21	Characterization of Endothelial Progenitor Cell Interactions with Human Tropoelastin. <i>PLoS ONE</i> , 2015, 10, e0131101.	1.1	12
22	Fabricated Elastin. <i>Advanced Healthcare Materials</i> , 2015, 4, 2530-2556.	3.9	93
23	Mechanical Properties of Plasma Immersion Ion Implanted PEEK for Bioactivation of Medical Devices. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23029-23040.	4.0	44
24	A Negatively Charged Residue Stabilizes the Tropoelastin N-terminal Region for Elastic Fiber Assembly. <i>Journal of Biological Chemistry</i> , 2014, 289, 34815-34826.	1.6	22
25	Tropoelastin: A versatile, bioactive assembly module. <i>Acta Biomaterialia</i> , 2014, 10, 1532-1541.	4.1	110
26	Tropoelastin bridge region positions the cell-interactive C terminus and contributes to elastic fiber assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2878-2883.	3.3	51
27	Coacervation of tropoelastin. <i>Advances in Colloid and Interface Science</i> , 2011, 167, 94-103.	7.0	197
28	Stability of a Therapeutic Layer of Immobilized Recombinant Human Tropoelastin on a Plasma-Activated Coated Surface. <i>Pharmaceutical Research</i> , 2011, 28, 1415-1421.	1.7	15