

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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476904

29
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all docs

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docs citations

29
times ranked

1228
citing authors

#	ARTICLE	IF	CITATIONS
1	Coacervation of tropoelastin. <i>Advances in Colloid and Interface Science</i> , 2011, 167, 94-103.	7.0	197
2	Tropoelastin: A versatile, bioactive assembly module. <i>Acta Biomaterialia</i> , 2014, 10, 1532-1541.	4.1	110
3	Fabricated Elastin. <i>Advanced Healthcare Materials</i> , 2015, 4, 2530-2556.	3.9	93
4	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
5	Tropoelastin coated PLLA-PLGA scaffolds promote vascular network formation. <i>Biomaterials</i> , 2017, 122, 72-82.	5.7	51
6	Soluble matrix protein is a potent modulator of mesenchymal stem cell performance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2042-2051.	3.3	45
7	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
8	Subtle balance of tropoelastin molecular shape and flexibility regulates dynamics and hierarchical assembly. <i>Science Advances</i> , 2016, 2, e1501145.	4.7	43
9	Molecular model of human tropoelastin and implications of associated mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7338-7343.	3.3	35
10	Extracellular Vesicles: Interplay with the Extracellular Matrix and Modulated Cell Responses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3389.	1.8	34
11	Plasma ion implantation enabled bio-functionalization of PEEK improves osteoblastic activity. <i>APL Bioengineering</i> , 2018, 2, 026109.	3.3	31
12	A cell adhesive peptide from tropoelastin promotes sequential cell attachment and spreading via distinct receptors. <i>FEBS Journal</i> , 2017, 284, 2216-2230.	2.2	27
13	Hydrogel~Solid Hybrid Materials for Biomedical Applications Enabled by Surface~Embedded Radicals. <i>Advanced Functional Materials</i> , 2020, 30, 2004599.	7.8	26
14	The elastin matrix in tissue engineering and regeneration. <i>Current Opinion in Biomedical Engineering</i> , 2018, 6, 27-32.	1.8	24
15	Plasma-Activated Tropoelastin Functionalization of Zirconium for Improved Bone Cell Response. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 662-676.	2.6	23
16	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
17	A sterilizable, biocompatible, tropoelastin surface coating immobilized by energetic ion activation. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160837.	1.5	19
18	Tropoelastin is a Flexible Molecule that Retains its Canonical Shape. <i>Macromolecular Bioscience</i> , 2019, 19, 1800250.	2.1	19

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19	Emerging concepts in bone repair and the premise of soft materials. <i>Current Opinion in Biotechnology</i> , 2022, 74, 220-229.	3.3	19
20	Hierarchical assembly of elastin materials. <i>Current Opinion in Chemical Engineering</i> , 2019, 24, 54-60.	3.8	17
21	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
22	Targeted Modulation of Tropoelastin Structure and Assembly. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2832-2844.	2.6	16
23	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
24	Characterization of Endothelial Progenitor Cell Interactions with Human Tropoelastin. <i>PLoS ONE</i> , 2015, 10, e0131101.	1.1	12
25	Domains 12 to 16 of tropoelastin promote cell attachment and spreading through interactions with glycosaminoglycan and integrins αV and $\alpha 5\beta 1$. <i>FEBS Journal</i> , 2021, 288, 4024-4038.	2.2	10
26	Plasma-Activated Substrate with a Tropoelastin Anchor for the Maintenance and Delivery of Multipotent Adult Progenitor Cells. <i>Macromolecular Bioscience</i> , 2019, 19, 1800233.	2.1	5
27	Biomimetic Culture Strategies for the Clinical Expansion of Mesenchymal Stromal Cells. <i>ACS Biomaterials Science and Engineering</i> , 2023, 9, 3742-3759.	2.6	5
28	A New Vascular Engineering Strategy Using 3D Printed Ice. <i>Trends in Biotechnology</i> , 2019, 37, 451-453.	4.9	4