

Angelo S Mao

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,192
citations

623574

14
h-index

940416

16
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17
all docs

17
docs citations

17
times ranked

4100
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA-responsive elements for eukaryotic translational control. <i>Nature Biotechnology</i> , 2022, 40, 539-545.	9.4	34
2	Actuated 3D microgels for single cell mechanobiology. <i>Lab on A Chip</i> , 2022, 22, 1962-1970.	3.1	7
3	Generation of the Compression-induced Dedifferentiated Adipocytes (CiDAs) Using Hypertonic Medium. <i>Bio-protocol</i> , 2021, 11, e3920.	0.2	3
4	Minimally instrumented SHERLOCK (miSHERLOCK) for CRISPR-based point-of-care diagnosis of SARS-CoV-2 and emerging variants. <i>Science Advances</i> , 2021, 7, .	4.7	189
5	Creating CRISPR-responsive smart materials for diagnostics and programmable cargo release. <i>Nature Protocols</i> , 2020, 15, 3030-3063.	5.5	42
6	Compression-induced dedifferentiation of adipocytes promotes tumor progression. <i>Science Advances</i> , 2020, 6, eaax5611.	4.7	53
7	A biomaterial-based vaccine eliciting durable tumour-specific responses against acute myeloid leukaemia. <i>Nature Biomedical Engineering</i> , 2020, 4, 40-51.	11.6	83
8	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
9	Programmable CRISPR-responsive smart materials. <i>Science</i> , 2019, 365, 780-785.	6.0	248
10	Acetalated Dextran Nanoparticles Loaded into an Injectable Alginate Cryogel for Combined Chemotherapy and Cancer Vaccination. <i>Advanced Functional Materials</i> , 2019, 29, 1903686.	7.8	41
11	An injectable bone marrow-like scaffold enhances T cell immunity after hematopoietic stem cell transplantation. <i>Nature Biotechnology</i> , 2019, 37, 293-302.	9.4	79
12	Microfluidic Templated Multicompartment Microgels for 3D Encapsulation and Pairing of Single Cells. <i>Small</i> , 2018, 14, 1702955.	5.2	118
13	Single cell-laden protease-sensitive microniches for long-term culture in 3D. <i>Lab on A Chip</i> , 2017, 17, 727-737.	3.1	43
14	Effects of substrate stiffness and cell-cell contact on mesenchymal stem cell differentiation. <i>Biomaterials</i> , 2016, 98, 184-191.	5.7	205
15	Microfluidic Generation of Monodisperse, Structurally Homogeneous Alginate Microgels for Cell Encapsulation and 3D Cell Culture. <i>Advanced Healthcare Materials</i> , 2015, 4, 1628-1633.	3.9	272
16	Regenerative medicine: Current therapies and future directions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14452-14459.	3.3	651