John H Slater

List of Publications by Year
in descending order

27	838	623734	580821
papers	citations	14 h-index	25 g-index

28	28	28	1405
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning Hydrogel Adhesivity and Degradability to Model the Influence of Premetastatic Niche Matrix Properties on Breast Cancer Dormancy and Reactivation. Advanced Biology, 2022, 6, e2200012.	2.5	3
2	The Influence of Ligand Density and Degradability on Hydrogel Induced Breast Cancer Dormancy and Reactivation. Advanced Healthcare Materials, 2021, 10, e2002227.	7.6	13
3	The Influence of Matrix-Induced Dormancy on Metastatic Breast Cancer Chemoresistance. ACS Applied Bio Materials, 2020, 3, 5832-5844.	4.6	11
4	Biofabrication Strategies and Engineered In Vitro Systems for Vascular Mechanobiology. Advanced Healthcare Materials, 2020, 9, e1901255.	7.6	35
5	Datasets describing hydrogel properties and cellular metrics for modeling of tumor dormancy. Data in Brief, 2019, 25, 104128.	1.0	5
6	Fabrication and Implementation of a Reference-Free Traction Force Microscopy Platform. Journal of Visualized Experiments, 2019, , .	0.3	0
7	Accurate flow in augmented networks (AFAN): an approach to generating three-dimensional biomimetic microfluidic networks with controlled flow. Analytical Methods, 2019, 11, 8-16.	2.7	8
8	Tunable hydrogels for controlling phenotypic cancer cell states to model breast cancer dormancy and reactivation. Biomaterials, 2019, 215, 119177.	11.4	50
9	Brain Capillary Networks Across Species: A few Simple Organizational Requirements Are Sufficient to Reproduce Both Structure and Function. Frontiers in Physiology, 2019, 10, 233.	2.8	70
10	Reference-Free Traction Force Microscopy Platform Fabricated via Two-Photon Laser Scanning Lithography Enables Facile Measurement of Cell-Generated Forces. ACS Applied Materials & Interfaces, 2019, 11, 18233-18241.	8.0	22
11	Fabrication, characterization, and implementation of engineered hydrogels for controlling breast cancer cell phenotype and dormancy. MethodsX, 2019, 6, 2744-2766.	1.6	6
12	Engineered In Vitro Models of Tumor Dormancy and Reactivation. Journal of Biological Engineering, 2018, 12, 37.	4.7	51
13	Image-guided, Laser-based Fabrication of Vascular-derived Microfluidic Networks. Journal of Visualized Experiments, 2017, , .	0.3	8
14	Fundamentals of Laserâ€Based Hydrogel Degradation and Applications in Cell and Tissue Engineering. Advanced Healthcare Materials, 2017, 6, 1700681.	7.6	61
15	Fabrication of 3D Biomimetic Microfluidic Networks in Hydrogels. Advanced Healthcare Materials, 2016, 5, 2153-2160.	7.6	101
16	Biomimetic Microfluidic Networks: Fabrication of 3D Biomimetic Microfluidic Networks in Hydrogels (Adv. Healthcare Mater. 17/2016). Advanced Healthcare Materials, 2016, 5, 2152-2152.	7.6	1
17	Biomimetic Surface Patterning Promotes Mesenchymal Stem Cell Differentiation. ACS Applied Materials & Interfaces, 2016, 8, 21883-21892.	8.0	34
18	Biomimetic Surfaces for Cell Engineering. Springer Series in Biomaterials Science and Engineering, 2016, , 543-569.	1.0	1

#	Article	IF	Citations
19	Progeny Clustering: A Method to Identify Biological Phenotypes. Scientific Reports, 2015, 5, 12894.	3.3	36
20	Recapitulation and Modulation of the Cellular Architecture of a User-Chosen Cell of Interest Using Cell-Derived, Biomimetic Patterning. ACS Nano, 2015, 9, 6128-6138.	14.6	20
21	Modulation of Endothelial Cell Migration via Manipulation of Adhesion Site Growth Using Nanopatterned Surfaces. ACS Applied Materials & Interfaces, 2015, 7, 4390-4400.	8.0	25
22	Fabrication of Multifaceted, Micropatterned Surfaces and Image-Guided Patterning Using Laser Scanning Lithography. Methods in Cell Biology, 2014, 119, 193-217.	1.1	11
23	Threeâ€Dimensional Biomimetic Patterning in Hydrogels to Guide Cellular Organization. Advanced Materials, 2012, 24, 2344-2348.	21.0	169
24	Patterning: Three-Dimensional Biomimetic Patterning in Hydrogels to Guide Cellular Organization (Adv. Mater. 17/2012). Advanced Materials, 2012, 24, 2343-2343.	21.0	0
25	Microcontact printing for co-patterning cells and viruses for spatially controlled substrate-mediated gene delivery. Soft Matter, 2011, 7, 4993.	2.7	10
26	Fabrication of Multifaceted Micropatterned Surfaces with Laser Scanning Lithography. Advanced Functional Materials, 2011, 21, 2876-2888.	14.9	37
27	Nanopatterning of fibronectin and the influence of integrin clustering on endothelial cell spreading and proliferation. Journal of Biomedical Materials Research - Part A, 2008, 87A, 176-195.	4.0	47