

Mirren Charnley

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,585
citations

516561

16
h-index

434063

31
g-index

37
all docs

37
docs citations

37
times ranked

3166
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing T cells form an immunological synapse for passage through the \hat{I}^2 -selection checkpoint. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	18
2	Photothermal release and recovery of mesenchymal stem cells from substrates functionalized with gold nanorods. <i>Acta Biomaterialia</i> , 2021, 129, 110-121.	4.1	2
3	A new role for Notch in the control of polarity and asymmetric cell division of developing T cells. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	17
4	Imaging with Nanometer Resolution Using Optically Active Defects in Silicon Carbide. <i>Physical Review Applied</i> , 2020, 14, .	1.5	15
5	Nanoscale magnetic imaging enabled by nitrogen vacancy centres in nanodiamonds labelled by iron oxide nanoparticles. <i>Nanoscale</i> , 2020, 12, 8847-8857.	2.8	18
6	Context-Specific Mechanisms of Cell Polarity Regulation. <i>Journal of Molecular Biology</i> , 2018, 430, 3457-3471.	2.0	21
7	Preparation of Amyloid Fibril Networks. <i>Bio-protocol</i> , 2018, 8, e2733.	0.2	2
8	Superresolved Magnetic Imaging of Cells with Nanodiamonds. , 2018, , .		0
9	Characterization of Amyloid Fibril Networks by Atomic Force Microscopy. <i>Bio-protocol</i> , 2018, 8, e2732.	0.2	2
10	Imaging Asymmetric T Cell Division. <i>Methods in Molecular Biology</i> , 2017, 1584, 383-398.	0.4	6
11	Chitosan-coated amyloid fibrils increase adipogenesis of mesenchymal stem cells. <i>Materials Science and Engineering C</i> , 2017, 79, 363-371.	3.8	16
12	<i>i>p</i></i> H-dependent lipid vesicle interactions with plasma polymerized thin films. <i>Biointerphases</i> , 2017, 12, 02C416.	0.6	5
13	Quantifying Young's moduli of protein fibrils and particles with bimodal force spectroscopy. <i>Biointerphases</i> , 2017, 12, 041001.	0.6	14
14	Biomimetic Topography and Chemistry Control Cell Attachment to Amyloid Fibrils. <i>Biomacromolecules</i> , 2015, 16, 1556-1565.	2.6	31
15	Osteogenic differentiation of human mesenchymal stem cells in the absence of osteogenic supplements: A surface-roughness gradient study. <i>Acta Biomaterialia</i> , 2015, 28, 64-75.	4.1	124
16	Asymmetric cell division during T cell development controls downstream fate. <i>Journal of Cell Biology</i> , 2015, 210, 933-950.	2.3	33
17	Regulation of Human Mesenchymal Stem Cell Osteogenesis by Specific Surface Density of Fibronectin: a Gradient Study. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2367-2375.	4.0	37
18	Miniaturized pre-clinical cancer models as research and diagnostic tools. <i>Advanced Drug Delivery Reviews</i> , 2014, 69-70, 52-66.	6.6	39

#	ARTICLE	IF	CITATIONS
19	Engineered Lysozyme Amyloid Fibril Networks Support Cellular Growth and Spreading. <i>Biomacromolecules</i> , 2014, 15, 599-608.	2.6	97
20	Differential regulation of osteogenic differentiation of stem cells on surface roughness gradients. <i>Biomaterials</i> , 2014, 35, 9023-9032.	5.7	226
21	Cell shape-dependent early responses of fibroblasts to cyclic strain. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3415-3425.	1.9	8
22	Effect of Cell Shape and Dimensionality on Spindle Orientation and Mitotic Timing. <i>PLoS ONE</i> , 2013, 8, e66918.	1.1	16
23	The study of polarisation in single cells using model cell membranes. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 31-38.	0.6	19
24	Controlled Breast Cancer Microarrays for the Deconvolution of Cellular Multilayering and Density Effects upon Drug Responses. <i>PLoS ONE</i> , 2012, 7, e40141.	1.1	25
25	Engineered 3D environments to elucidate the effect of environmental parameters on drug response in cancer. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 31-38.	0.6	59
26	Substrate Adhesion Regulates Sealing Zone Architecture and Dynamics in Cultured Osteoclasts. <i>PLoS ONE</i> , 2011, 6, e28583.	1.1	41
27	Designed polymer structures with antifouling and antimicrobial properties. <i>Reactive and Functional Polymers</i> , 2011, 71, 329-334.	2.0	118
28	Development of an Ibuprofen-releasing biodegradable PLA/PGA electrospun scaffold for tissue regeneration. <i>Biotechnology and Bioengineering</i> , 2010, 105, 396-408.	1.7	84
29	Generation of Bioactive Materials with Rapid Self-Assembling Resorcinarene Peptides. <i>Advanced Materials</i> , 2009, 21, 2909-2915.	11.1	10
30	Integration column: microwell arrays for mammalian cell culture. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 31-38.	0.6	125
31	Anti-microbial action of melanocortin peptides and identification of a novel X-Pro-d/l-Val sequence in Gram-positive and Gram-negative bacteria. <i>Peptides</i> , 2008, 29, 1004-1009.	1.2	21
32	Time-resolved and two-photon emission imaging microscopy of live cells with inert platinum complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16071-16076.	3.3	333