

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	Time-resolved and two-photon emission imaging microscopy of live cells with inert platinum complexes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16071-16076.	3.3	333
2	Differential regulation of osteogenic differentiation of stem cells on surface roughness gradients. Biomaterials, 2014, 35, 9023-9032.	5.7	226
3	Integration column: microwell arrays for mammalian cell culture. Integrative Biology (United Kingdom), 2011, 3, 31-38.	0.6	125
4	Osteogenic differentiation of human mesenchymal stem cells in the absence of osteogenic supplements: A surface-roughness gradient study. Acta Biomaterialia, 2015, 28, 64-75.	4.1	124
5	Designed polymer structures with antifouling and antimicrobial properties. Reactive and Functional Polymers, 2011, 71, 329-334.	2.0	118
6	Engineered Lysozyme Amyloid Fibril Networks Support Cellular Growth and Spreading. Biomacromolecules, 2014, 15, 599-608.	2.6	97
7	Development of an Ibuprofen-releasing biodegradable PLA/PGA electrospun scaffold for tissue regeneration. Biotechnology and Bioengineering, 2010, 105, 396-408.	1.7	84
8	Engineered 3D environments to elucidate the effect of environmental parameters on drug response in cancer. Integrative Biology (United Kingdom), 2011, 3, 31-38.	0.6	59
9	Substrate Adhesion Regulates Sealing Zone Architecture and Dynamics in Cultured Osteoclasts. PLoS ONE, 2011, 6, e28583.	1.1	41
10	Miniaturized pre-clinical cancer models as research and diagnostic tools. Advanced Drug Delivery Reviews, 2014, 69-70, 52-66.	6.6	39
11	Regulation of Human Mesenchymal Stem Cell Osteogenesis by Specific Surface Density of Fibronectin: a Gradient Study. ACS Applied Materials & Interfaces, 2015, 7, 2367-2375.	4.0	37
12	Asymmetric cell division during T cell development controls downstream fate. Journal of Cell Biology, 2015, 210, 933-950.	2.3	33
13	Biomimetic Topography and Chemistry Control Cell Attachment to Amyloid Fibrils. Biomacromolecules, 2015, 16, 1556-1565.	2.6	31
14	Controlled Breast Cancer Microarrays for the Deconvolution of Cellular Multilayering and Density Effects upon Drug Responses. PLoS ONE, 2012, 7, e40141.	1.1	25
15	Anti-microbial action of melanocortin peptides and identification of a novel X-Pro-d/l-Val sequence in Gram-positive and Gram-negative bacteria. Peptides, 2008, 29, 1004-1009.	1.2	21
16	Context-Specific Mechanisms of Cell Polarity Regulation. Journal of Molecular Biology, 2018, 430, 3457-3471.	2.0	21
17	The study of polarisation in single cells using model cell membranes. Integrative Biology (United Kingdom), 2011, 3, 31-38.	0.6	19
18	Nanoscale magnetic imaging enabled by nitrogen vacancy centres in nanodiamonds labelled by iron-oxide nanoparticles. Nanoscale, 2020, 12, 8847-8857.	2.8	18

#	ARTICLE	IF	CITATIONS
19	Developing T cells form an immunological synapse for passage through the \hat{I}^2 -selection checkpoint. Journal of Cell Biology, 2021, 220, .	2.3	18
20	A new role for Notch in the control of polarity and asymmetric cell division of developing T cells. Journal of Cell Science, 2020, 133, .	1.2	17
21	Chitosan-coated amyloid fibrils increase adipogenesis of mesenchymal stem cells. Materials Science and Engineering C, 2017, 79, 363-371.	3.8	16
22	Effect of Cell Shape and Dimensionality on Spindle Orientation and Mitotic Timing. PLoS ONE, 2013, 8, e66918.	1.1	16
23	Imaging with Nanometer Resolution Using Optically Active Defects in Silicon Carbide. Physical Review Applied, 2020, 14, .	1.5	15
24	Quantifying Young's moduli of protein fibrils and particles with bimodal force spectroscopy. Biointerphases, 2017, 12, 041001.	0.6	14
25	Generation of Bioactive Materials with Rapid Self-Assembling Resorcinarene- ϵ -Peptides. Advanced Materials, 2009, 21, 2909-2915.	11.1	10
26	Cell shape-dependent early responses of fibroblasts to cyclic strain. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3415-3425.	1.9	8
27	Imaging Asymmetric T Cell Division. Methods in Molecular Biology, 2017, 1584, 383-398.	0.4	6
28	<i>p</i> -H-dependent lipid vesicle interactions with plasma polymerized thin films. Biointerphases, 2017, 12, 02C416.	0.6	5
29	Photothermal release and recovery of mesenchymal stem cells from substrates functionalized with gold nanorods. Acta Biomaterialia, 2021, 129, 110-121.	4.1	2
30	Preparation of Amyloid Fibril Networks. Bio-protocol, 2018, 8, e2733.	0.2	2
31	Characterization of Amyloid Fibril Networks by Atomic Force Microscopy. Bio-protocol, 2018, 8, e2732.	0.2	2
32	Superresolved Magnetic Imaging of Cells with Nanodiamonds. , 2018, , .		0