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List of Publications by Year
in descending order

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49 papers	2,871 citations	201674 27 h-index	233421 45 g-index
54 all docs	54 docs citations	54 times ranked	4232 citing authors

#	Article	IF	Citations
1	PLA/Hydroxyapatite scaffolds exhibit in vitro immunological inertness and promote robust osteogenic differentiation of human mesenchymal stem cells without osteogenic stimuli. Scientific Reports, 2022, 12, 2333.	3.3	67
2	Persister state-directed transitioning and vulnerability in melanoma. Nature Communications, 2022, 13, .	12.8	20
3	Functionalized Cellulose Nanocrystals for Cellular Labeling and Bioimaging. Biomacromolecules, 2021, 22, 454-466.	5.4	16
4	LSP1â€myosin1e bimolecular complex regulates focal adhesion dynamics and cell migration. FASEB Journal, 2021, 35, e21268.	0.5	14
5	Nintedanib targets KIT D816V neoplastic cells derived from induced pluripotent stem cells of systemic mastocytosis. Blood, 2021, 137, 2070-2084.	1.4	21
6	Pathomechanisms of ALS8: altered autophagy and defective RNA binding protein (RBP) homeostasis due to the VAPB P56S mutation. Cell Death and Disease, 2021, 12, 466.	6.3	13
7	A novel in vitro assay for peripheral nerve-related cell migration that preserves both extracellular matrix-derived molecular cues and nanofiber-derived topography. Journal of Neuroscience Methods, 2021, 361, 109289.	2.5	4
8	Guiding cell adhesion and motility by modulating cross-linking and topographic properties of microgel arrays. PLoS ONE, 2021, 16, e0257495.	2.5	5
9	CurauÃ¡-derived carbon dots: Fluorescent probes for effective Fe(III) ion detection, cellular labeling and bioimaging. Materials Science and Engineering C, 2021, 129, 112409.	7.3	22
10	Aggregates of RNA Binding Proteins and ER Chaperones Linked to Exosomes in Granulovacuolar Degeneration of the Alzheimerâ€™s Disease Brain. Journal of Alzheimer's Disease, 2020, 75, 139-156.	2.6	22
11	Why the impact of mechanical stimuli on stem cells remains a challenge. Cellular and Molecular Life Sciences, 2018, 75, 3297-3312.	5.4	35
12	Gamma secretase dependent release of the CD44 cytoplasmic tail upregulates IFI16 in cd44-/- tumor cells, MEFs and macrophages. PLoS ONE, 2018, 13, e0207358.	2.5	8
13	Solution blow spinning fibres: New immunologically inert substrates for the analysis of cell adhesion and motility. Acta Biomaterialia, 2017, 51, 161-174.	8.3	27
14	ITIH5 mediates epigenetic reprogramming of breast cancer cells. Molecular Cancer, 2017, 16, 44.	19.2	29
15	The ALS-linked E102Q mutation in Sigma receptor-1 leads to ER stress-mediated defects in protein homeostasis and dysregulation of RNA-binding proteins. Cell Death and Differentiation, 2017, 24, 1655-1671.	11.2	77
16	Surface Topography Guides Morphology and Spatial Patterning of Induced Pluripotent Stem Cell Colonies. Stem Cell Reports, 2017, 9, 654-666.	4.8	120
17	Surfaceâ€Grafted Nanogel Arrays Direct Cell Adhesion and Motility. Advanced Materials Interfaces, 2016, 3, 1600455.	3.7	14
18	Cell Motility: Surfaceâ€Grafted Nanogel Arrays Direct Cell Adhesion and Motility (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	3.7	1

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19	GAR22Î² regulates cell migration, sperm motility, and axoneme structure. Molecular Biology of the Cell, 2016, 27, 277-294.	2.1	15
20	Surface topography enhances differentiation of mesenchymal stem cells towards osteogenic and adipogenic lineages. Biomaterials, 2015, 61, 316-326.	11.4	336
21	Crucial role for the LSP1â€“myosin1e bimolecular complex in the regulation of FcÎ³ receptorâ€“driven phagocytosis. Molecular Biology of the Cell, 2015, 26, 1652-1664.	2.1	28
22	Loss of function of the ALS protein SigR1 leads to ER pathology associated with defective autophagy and lipid raft disturbances. Cell Death and Disease, 2014, 5, e1290-e1290.	6.3	82
23	Dendritic Cellâ€“Biomaterial Interactions: Implications for the Onset and Development of the Foreign Body Response. , 2013, , 151-173.		0
24	Primary Cultures of Glomerular Parietal Epithelial Cells or Podocytes with Proven Origin. PLoS ONE, 2012, 7, e34907.	2.5	55
25	Automated segmentation and tracking for large-scale analysis of focal adhesion dynamics. Journal of Microscopy, 2011, 241, 37-53.	1.8	23
26	Requirements for leukocyte transmigration via the transmembrane chemokine CX3CL1. Cellular and Molecular Life Sciences, 2010, 67, 4233-4248.	5.4	44
27	The role of multiple toll-like receptor signalling cascades on interactions between biomedical polymers and dendritic cells. Biomaterials, 2010, 31, 5759-5771.	11.4	72
28	Fluorescence microscopic imaging and image analysis of the cytoskeleton. , 2010, , .		5
29	A Disintegrin and Metalloproteinase 17 (ADAM17) Mediates Inflammation-induced Shedding of Syndecan-1 and -4 by Lung Epithelial Cells. Journal of Biological Chemistry, 2010, 285, 555-564.	3.4	137
30	Analysis of Length and Orientation of Microtubules in Wide-Field Fluorescence Microscopy. Lecture Notes in Computer Science, 2010, , 182-191.	1.3	6
31	Segmentation, tracking, and analysis of focal adhesion dynamics in cellular microscopy imaging. , 2009, , .		2
32	Properties of an Ezrin Mutant Defective in F-actin Binding. Journal of Molecular Biology, 2009, 385, 1015-1031.	4.2	29
33	Uptake of magnetic nanoparticles into cells for cell tracking. Journal of Magnetism and Magnetic Materials, 2007, 311, 234-237.	2.3	43
34	Use of Brain Cytosolic Extracts for Studying Actin-Based Motility of Listeria monocytogenes. , 2006, , 393-397.		0
35	Listeria monocytogenes exploits ERM protein functions to efficiently spread from cell to cell. EMBO Journal, 2005, 24, 1287-1300.	7.8	80
36	ENA/VASP proteins: multifunctional regulators of actin cytoskeleton dynamics. Frontiers in Bioscience - Landmark, 2004, 9, 1294.	3.0	88

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37	Interplay between TCR signalling and actin cytoskeleton dynamics. Trends in Immunology, 2004, 25, 257-265.	6.8	48
38	A crucial role for profilinâ€“actin in the intracellular motility of Listeria monocytogenes. EMBO Reports, 2003, 4, 523-529.	4.5	58
39	Contribution of Ena/VASP Proteins to Intracellular Motility ofListeriaRequires Phosphorylation and Proline-rich Core but Not F-Actin Binding or Multimerization. Molecular Biology of the Cell, 2002, 13, 2383-2396.	2.1	97
40	Changes in actin dynamics at the T-cell/APC interface: implications for T-cell anergy?. Immunological Reviews, 2002, 189, 98-110.	6.0	19
41	Scar/WAVE is localised at the tips of protruding lamellipodia in living cells. FEBS Letters, 2001, 492, 215-220.	2.8	86
42	ActA from Listeria monocytogenes Can Interact with Up to Four Ena/VASP Homology 1 Domains Simultaneously. Journal of Biological Chemistry, 2001, 276, 40096-40103.	3.4	32
43	Annexin 2 has an essential role in actin-based macropinocytic rocketing. Current Biology, 2001, 11, 1136-1141.	3.9	94
44	Evidence for a molecular complex consisting of Fyb/SLAP, SLP-76, Nck, VASP and WASP that links the actin cytoskeleton to Fcî³ receptor signalling during phagocytosis. Journal of Cell Science, 2001, 114, 4307-4318.	2.0	177
45	Fyn-Binding Protein (Fyb)/Slp-76â€“Associated Protein (Slap), Ena/Vasodilator-Stimulated Phosphoprotein (Vasp) Proteins and the Arp2/3 Complex Link T Cell Receptor (Tcr) Signaling to the Actin Cytoskeleton. Journal of Cell Biology, 2000, 149, 181-194.	5.2	283
46	The Arp2/3 complex is essential for the actin-based motility of Listeria monocytogenes. Current Biology, 1999, 9, 759-762.	3.9	164
47	The suitability and application of a GFP-actin fusion protein for long-term imaging of the organization and dynamics of the cytoskeleton in mammalian cells. European Journal of Cell Biology, 1998, 77, 81-90.	3.6	88
48	The Isolated Comet Tail Pseudopodium of Listeria monocytogenes: A Tail of Two Actin Filament Populations, Long and Axial and Short and Random. Journal of Cell Biology, 1997, 137, 155-167.	5.2	103
49	Trichomonas vaginalishaemolysis: pH regulates a contact-independent mechanism based on pore-forming proteins. Microbial Pathogenesis, 1996, 20, 109-118.	2.9	59