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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	Surface topography enhances differentiation of mesenchymal stem cells towards osteogenic and adipogenic lineages. Biomaterials, 2015, 61, 316-326.	11.4	336
2	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
3	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
4	The Arp2/3 complex is essential for the actin-based motility of Listeria monocytogenes. Current Biology, 1999, 9, 759-762.	3.9	164
5	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
6	Surface Topography Guides Morphology and Spatial Patterning of Induced Pluripotent Stem Cell Colonies. Stem Cell Reports, 2017, 9, 654-666.	4.8	120
7	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
8	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
9	Annexin 2 has an essential role in actin-based macropinocytic rocketing. Current Biology, 2001, 11, 1136-1141.	3.9	94
10	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
11	ENA/VASP proteins: multifunctional regulators of actin cytoskeleton dynamics. Frontiers in Bioscience - Landmark, 2004, 9, 1294.	3.0	88
12	Scar/WAVE is localised at the tips of protruding lamellipodia in living cells. FEBS Letters, 2001, 492, 215-220.	2.8	86
13	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
14	Listeria monocytogenes exploits ERM protein functions to efficiently spread from cell to cell. EMBO Journal, 2005, 24, 1287-1300.	7.8	80
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	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
17	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
18	Trichomonas vaginalishaemolysis: pH regulates a contact-independent mechanism based on pore-forming proteins. Microbial Pathogenesis, 1996, 20, 109-118.	2.9	59

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19	A crucial role for profilinâ€“actin in the intracellular motility of Listeria monocytogenes. EMBO Reports, 2003, 4, 523-529.	4.5	58
20	Primary Cultures of Glomerular Parietal Epithelial Cells or Podocytes with Proven Origin. PLoS ONE, 2012, 7, e34907.	2.5	55
21	Interplay between TCR signalling and actin cytoskeleton dynamics. Trends in Immunology, 2004, 25, 257-265.	6.8	48
22	Requirements for leukocyte transmigration via the transmembrane chemokine CX3CL1. Cellular and Molecular Life Sciences, 2010, 67, 4233-4248.	5.4	44
23	Uptake of magnetic nanoparticles into cells for cell tracking. Journal of Magnetism and Magnetic Materials, 2007, 311, 234-237.	2.3	43
24	Why the impact of mechanical stimuli on stem cells remains a challenge. Cellular and Molecular Life Sciences, 2018, 75, 3297-3312.	5.4	35
25	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
26	Properties of an Ezrin Mutant Defective in F-actin Binding. Journal of Molecular Biology, 2009, 385, 1015-1031.	4.2	29
27	ITIH5 mediates epigenetic reprogramming of breast cancer cells. Molecular Cancer, 2017, 16, 44.	19.2	29
28	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
29	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
30	Automated segmentation and tracking for large-scale analysis of focal adhesion dynamics. Journal of Microscopy, 2011, 241, 37-53.	1.8	23
31	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
32	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
33	Nintedanib targets KIT D816V neoplastic cells derived from induced pluripotent stem cells of systemic mastocytosis. Blood, 2021, 137, 2070-2084.	1.4	21
34	Persister state-directed transitioning and vulnerability in melanoma. Nature Communications, 2022, 13, .	12.8	20
35	Changes in actin dynamics at the T-cell/APC interface: implications for T-cell anergy?. Immunological Reviews, 2002, 189, 98-110.	6.0	19
36	Functionalized Cellulose Nanocrystals for Cellular Labeling and Bioimaging. Biomacromolecules, 2021, 22, 454-466.	5.4	16

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37	GAR22Î² regulates cell migration, sperm motility, and axoneme structure. Molecular Biology of the Cell, 2016, 27, 277-294.	2.1	15
38	Surfaceâ€Grafted Nanogel Arrays Direct Cell Adhesion and Motility. Advanced Materials Interfaces, 2016, 3, 1600455.	3.7	14
39	LSP1â€myosin1e bimolecular complex regulates focal adhesion dynamics and cell migration. FASEB Journal, 2021, 35, e21268.	0.5	14
40	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
41	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
42	Analysis of Length and Orientation of Microtubules in Wide-Field Fluorescence Microscopy. Lecture Notes in Computer Science, 2010, , 182-191.	1.3	6
43	Fluorescence microscopic imaging and image analysis of the cytoskeleton. , 2010, , .		5
44	Guiding cell adhesion and motility by modulating cross-linking and topographic properties of microgel arrays. PLoS ONE, 2021, 16, e0257495.	2.5	5
45	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
46	Segmentation, tracking, and analysis of focal adhesion dynamics in cellular microscopy imaging. , 2009, , .		2
47	Cell Motility: Surfaceâ€Grafted Nanogel Arrays Direct Cell Adhesion and Motility (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.7	1
48	Use of Brain Cytosolic Extracts for Studying Actin-Based Motility of Listeria monocytogenes. , 2006, , 393-397.		0
49	Dendritic Cellâ€“Biomaterial Interactions: Implications for the Onset and Development of the Foreign Body Response. , 2013, , 151-173.		0