

Jonathan D Humphries

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

4,497
citations

30
h-index

57
g-index

57
ext. papers

5,402
ext. citations

7.7
avg, IF

5.5
L-index

#	Paper	IF	Citations
54	Integrin ligands at a glance. <i>Journal of Cell Science</i> , 2006 , 119, 3901-3	5.3	1138
53	Vinculin controls focal adhesion formation by direct interactions with talin and actin. <i>Journal of Cell Biology</i> , 2007 , 179, 1043-57	7.3	640
52	Definition of a consensus integrin adhesome and its dynamics during adhesion complex assembly and disassembly. <i>Nature Cell Biology</i> , 2015 , 17, 1577-1587	23.4	300
51	Proteomic analysis of integrin-associated complexes identifies RCC2 as a dual regulator of Rac1 and Arf6. <i>Science Signaling</i> , 2009 , 2, ra51	8.8	178
50	Signal transduction via integrin adhesion complexes. <i>Current Opinion in Cell Biology</i> , 2019 , 56, 14-21	9	149
49	Cell adhesion to fibrillin-1 molecules and microfibrils is mediated by alpha 5 beta 1 and alpha v beta 3 integrins. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34605-16	5.4	145
48	Anti-integrin monoclonal antibodies. <i>Journal of Cell Science</i> , 2009 , 122, 4009-11	5.3	129
47	Fibrillin microfibrils are reduced in skin exhibiting striae distensae. <i>British Journal of Dermatology</i> , 1998 , 138, 931-7	4	129
46	The integrin adhesome network at a glance. <i>Journal of Cell Science</i> , 2016 , 129, 4159-4163	5.3	123
45	Global analysis reveals the complexity of the human glomerular extracellular matrix. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 939-51	12.7	119
44	Defining the extracellular matrix using proteomics. <i>International Journal of Experimental Pathology</i> , 2013 , 94, 75-92	2.8	105
43	A syndecan-4 hair trigger initiates wound healing through caveolin- and RhoG-regulated integrin endocytosis. <i>Developmental Cell</i> , 2011 , 21, 681-93	10.2	103
42	Defining the phospho-adhesome through the phosphoproteomic analysis of integrin signalling. <i>Nature Communications</i> , 2015 , 6, 6265	17.4	86
41	Quantification of integrin receptor agonism by fluorescence lifetime imaging. <i>Journal of Cell Science</i> , 2008 , 121, 265-71	5.3	78
40	Glomerular cell cross-talk influences composition and assembly of extracellular matrix. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 953-66	12.7	71
39	Emerging properties of adhesion complexes: what are they and what do they do?. <i>Trends in Cell Biology</i> , 2015 , 25, 388-97	18.3	66
38	Cell adhesion is regulated by CDK1 during the cell cycle. <i>Journal of Cell Biology</i> , 2018 , 217, 3203-3218	7.3	66

37	Modulation of FAK and Src adhesion signaling occurs independently of adhesion complex composition. <i>Journal of Cell Biology</i> , 2016 , 212, 349-64	7.3	61
36	Mechanosensitivity of integrin adhesion complexes: role of the consensus adhesome. <i>Experimental Cell Research</i> , 2016 , 343, 7-13	4.2	60
35	Proteomic analysis of extracellular matrix from the hepatic stellate cell line LX-2 identifies CYR61 and Wnt-5a as novel constituents of fibrotic liver. <i>Journal of Proteome Research</i> , 2012 , 11, 4052-64	5.6	58
34	An unraveling tale of how integrins are activated from within. <i>Trends in Pharmacological Sciences</i> , 2003 , 24, 192-7	13.2	57
33	Rac1 is deactivated at integrin activation sites through an IQGAP1-filamin-A-RacGAP1 pathway. <i>Journal of Cell Science</i> , 2013 , 126, 4121-35	5.3	51
32	A proteomic approach reveals integrin activation state-dependent control of microtubule cortical targeting. <i>Nature Communications</i> , 2015 , 6, 6135	17.4	50
31	Molecular basis of ligand recognition by integrin alpha5beta 1. II. Specificity of arg-gly-Asp binding is determined by Trp157 OF THE alpha subunit. <i>Journal of Biological Chemistry</i> , 2000 , 275, 20337-45	5.4	50
30	Proteomic analysis of $\alpha 5$ integrin adhesion complexes reveals β subunit-dependent protein recruitment. <i>Proteomics</i> , 2012 , 12, 2107-14	4.8	46
29	Comparative proteomic analysis of supportive and unresponsive extracellular matrix substrates for human embryonic stem cell maintenance. <i>Journal of Biological Chemistry</i> , 2013 , 288, 18716-31	5.4	43
28	Proteomic analysis of integrin adhesion complexes. <i>Science Signaling</i> , 2011 , 4, pt2	8.8	36
27	Isolation of integrin-based adhesion complexes. <i>Current Protocols in Cell Biology</i> , 2015 , 66, 9.8.1-9.8.15	2.3	32
26	Genetic Background is a Key Determinant of Glomerular Extracellular Matrix Composition and Organization. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 3021-34	12.7	31
25	Dual functionality of the anti-beta1 integrin antibody, 12G10, exemplifies agonistic signalling from the ligand binding pocket of integrin adhesion receptors. <i>Journal of Biological Chemistry</i> , 2005 , 280, 10234-43	5.4	30
24	Clathrin-containing adhesion complexes. <i>Journal of Cell Biology</i> , 2019 , 218, 2086-2095	7.3	26
23	Topological features of integrin adhesion complexes revealed by multiplexed proximity biotinylation. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	24
22	Proteomic analysis of integrin-associated complexes from mesenchymal stem cells. <i>Proteomics - Clinical Applications</i> , 2016 , 10, 51-7	3.1	24
21	Basement membrane ligands initiate distinct signalling networks to direct cell shape. <i>Matrix Biology</i> , 2020 , 90, 61-78	11.4	23
20	Microtubule-dependent modulation of adhesion complex composition. <i>PLoS ONE</i> , 2014 , 9, e115213	3.7	23

19	All-trans retinoic acid compromises desmosome expression in human epidermis. <i>British Journal of Dermatology</i> , 1998 , 139, 577-84	4	23
18	Integrin Crosstalk Contributes to the Complexity of Signalling and Unpredictable Cancer Cell Fates. <i>Cancers</i> , 2020 , 12,	6.6	20
17	A microenvironment-inspired synthetic three-dimensional model for pancreatic ductal adenocarcinoma organoids. <i>Nature Materials</i> , 2021 ,	27	17
16	CD14 is a ligand for the integrin alpha4beta1. <i>FEBS Letters</i> , 2007 , 581, 757-63	3.8	15
15	A small molecule alpha 4 beta 1 antagonist prevents development of murine Lyme arthritis without affecting protective immunity. <i>Journal of Immunology</i> , 2005 , 175, 4724-34	5.3	14
14	KANK2 Links α 5 β 1 Focal Adhesions to Microtubules and Regulates Sensitivity to Microtubule Poisons and Cell Migration. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 125	5.7	10
13	Development of an alternative light source to lasers for photodynamic therapy: 2. Comparative in vivo tumour response characteristics. <i>Lasers in Medical Science</i> , 1995 , 10, 121-126	3.1	10
12	Characterization of the Phospho-Adhesome by Mass Spectrometry-Based Proteomics. <i>Methods in Molecular Biology</i> , 2017 , 1636, 235-251	1.4	8
11	Talin mechanosensitivity is modulated by a direct interaction with cyclin-dependent kinase-1. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100837	5.4	8
10	Alternative cellular roles for proteins identified using proteomics. <i>Journal of Proteomics</i> , 2012 , 75, 4184-5	5.9	5
9	The alternatively spliced type III connecting segment of fibronectin is a zinc-binding module. <i>Matrix Biology</i> , 2007 , 26, 485-93	11.4	4
8	A Syndecan-4 Hair Trigger Initiates Wound Healing through Caveolin- and RhoG-Regulated Integrin Endocytosis. <i>Developmental Cell</i> , 2012 , 23, 1081-1082	10.2	3
7	Eps8 is a convergence point integrating EGFR and integrin trafficking and crosstalk		3
6	KANK family proteins in cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2021 , 131, 105903	5.6	2
5	Global proteomic analysis of insulin receptor interactors in glomerular podocytes. <i>Wellcome Open Research</i> , 2020 , 5, 202	4.8	1
4	Improved LC-MS chromatographic alignment increases the accuracy of label-free quantitative proteomics: Comparison of spectral counting versus ion intensity-based proteomic quantification strategies		1
3	Definition of the fibroblast adhesome using multiplexed proximity biotinylation		1
2	A SNAI2-PEAK1-INHBA stromal axis drives progression and lapatinib resistance in HER2-positive breast cancer by supporting subpopulations of tumor cells positive for antiapoptotic and stress signaling markers. <i>Oncogene</i> , 2021 , 40, 5224-5235	9.2	1

- 1 The Tongue Squamous Carcinoma Cell Line Cal27 Primarily Employs Integrin $\beta 4$ -Containing Type II Hemidesmosomes for Adhesion Which Contribute to Anticancer Drug Sensitivity.. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 786758 5.7 1