Jonathan D Humphries

List of Publications by Year
in descending order

52 papers	5,914 citations	126907 33 h-index	175258 52 g-index
57 all docs	57 docs citations	57 times ranked	8303 citing authors

#	Article	IF	Citations
1	Integrin ligands at a glance. Journal of Cell Science, 2006, 119, 3901-3903.	2.0	1,393
2	Vinculin controls focal adhesion formation by direct interactions with talin and actin. Journal of Cell Biology, 2007, 179, 1043-1057.	5.2	778
3	Definition of a consensus integrin adhesome and its dynamics during adhesion complex assembly andÂdisassembly. Nature Cell Biology, 2015, 17, 1577-1587.	10.3	442
4	Signal transduction via integrin adhesion complexes. Current Opinion in Cell Biology, 2019, 56, 14-21.	5.4	228
5	Proteomic Analysis of Integrin-Associated Complexes Identifies RCC2 as a Dual Regulator of Rac1 and Arf6. Science Signaling, 2009, 2, ra51.	3.6	220
6	Cell Adhesion to Fibrillin-1 Molecules and Microfibrils Is Mediated by Î±5Î²1 and Î±vÎ²3 Integrins. Journal of Biological Chemistry, 2003, 278, 34605-34616.	3.4	168
7	The integrin adhesome network at a glance. Journal of Cell Science, 2016, 129, 4159-4163.	2.0	168
8	Global Analysis Reveals the Complexity of the Human Glomerular Extracellular Matrix. Journal of the American Society of Nephrology: JASN, 2014, 25, 939-951.	6.1	158
9	Fibrillin microfibrils are reduced in skin exhibiting striae distensae. British Journal of Dermatology, 1998, 138, 931-937.	1.5	153
10	Anti-integrin monoclonal antibodies. Journal of Cell Science, 2009, 122, 4009-4011.	2.0	153
11	Defining the phospho-adhesome through the phosphoproteomic analysis of integrin signalling. Nature Communications, 2015, 6, 6265.	12.8	150
12	Defining the extracellular matrix using proteomics. International Journal of Experimental Pathology, 2013, 94, 75-92.	1.3	137
13	A Syndecan-4 Hair Trigger Initiates Wound Healing through Caveolin- and RhoG-Regulated Integrin Endocytosis. Developmental Cell, 2011, 21, 681-693.	7.0	115
14	Cell adhesion is regulated by CDK1 during the cell cycle. Journal of Cell Biology, 2018, 217, 3203-3218.	5.2	114
15	Emerging properties of adhesion complexes: what are they and what do they do?. Trends in Cell Biology, 2015, 25, 388-397.	7.9	101
16	Quantification of integrin receptor agonism by fluorescence lifetime imaging. Journal of Cell Science, 2008, 121, 265-271.	2.0	90
17	Glomerular Cell Cross-Talk Influences Composition and Assembly of Extracellular Matrix. Journal of the American Society of Nephrology: JASN, 2014, 25, 953-966.	6.1	88
18	Modulation of FAK and Src adhesion signaling occurs independently of adhesion complex composition. Journal of Cell Biology, 2016, 212, 349-364.	5.2	85

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19	A microenvironment-inspired synthetic three-dimensional model for pancreatic ductal adenocarcinoma organoids. Nature Materials, 2022, 21, 110-119.	27.5	79
20	Mechanosensitivity of integrin adhesion complexes: role of the consensus adhesome. Experimental Cell Research, 2016, 343, 7-13.	2.6	76
21	A proteomic approach reveals integrin activation state-dependent control of microtubule cortical targeting. Nature Communications, 2015, 6, 6135.	12.8	71
22	Rac1 is deactivated at integrin activation sites via an IQGAP1/filamin-A/RacGAP1 pathway. Journal of Cell Science, 2013, 126, 4121-35.	2.0	68
23	Proteomic analysis of extracellular matrix from the hepatic stellate cell line LX-2 identifies CYR61 and Wnt-5a as novel constituents of fibrotic liver. Journal of Proteome Research, 2012, 11, 4052-4064.	3.7	66
24	Molecular Basis of Ligand Recognition by Integrin Î±5Î²1. Journal of Biological Chemistry, 2000, 275, 20337-20345.	3.4	57
25	An unraveling tale of how integrins are activated from within. Trends in Pharmacological Sciences, 2003, 24, 192-197.	8.7	57
26	Proteomic analysis of Î±4Î²1 integrin adhesion complexes reveals Î±â€subunitâ€dependent protein recruitment. Proteomics, 2012, 12, 2107-2114.	2.2	52
27	Comparative Proteomic Analysis of Supportive and Unsupportive Extracellular Matrix Substrates for Human Embryonic Stem Cell Maintenance. Journal of Biological Chemistry, 2013, 288, 18716-18731.	3.4	50
28	Isolation of Integrinâ€Based Adhesion Complexes. Current Protocols in Cell Biology, 2015, 66, 9.8.1-9.8.15.	2.3	48
29	Clathrin-containing adhesion complexes. Journal of Cell Biology, 2019, 218, 2086-2095.	5.2	48
30	Topological features of integrin adhesion complexes revealed by multiplexed proximity biotinylation. Journal of Cell Biology, 2020, 219, .	5.2	48
31	Proteomic Analysis of Integrin Adhesion ComplexesA presentation from the 6th British Society for Proteome Research (BSPR)â€“European Bioinformatics Institute (EBI) Meeting â€œMultiscale Proteomics: From Cells to Organismsâ€•at the Wellcome Trust Conference Centre, Cambridge, UK, 14 to 16 July 2009. The Presentation also complements the Science Signaling Research Article by Humphries et al. published 8 September 2009.. Science Signaling, 2011, 4, pt2.	3.6	45
32	Genetic Background is a Key Determinant of Glomerular Extracellular Matrix Composition and Organization. Journal of the American Society of Nephrology: JASN, 2015, 26, 3021-3034.	6.1	39
33	Integrin Crosstalk Contributes to the Complexity of Signalling and Unpredictable Cancer Cell Fates. Cancers, 2020, 12, 1910.	3.7	38
34	Basement membrane ligands initiate distinct signalling networks to direct cell shape. Matrix Biology, 2020, 90, 61-78.	3.6	38
35	Microtubule-Dependent Modulation of Adhesion Complex Composition. PLoS ONE, 2014, 9, e115213.	2.5	34
36	Dual Functionality of the Anti-Î²1 Integrin Antibody, 12G10, Exemplifies Agonistic Signalling from the Ligand Binding Pocket of Integrin Adhesion Receptors. Journal of Biological Chemistry, 2005, 280, 10234-10243.	3.4	32

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37	Proteomic analysis of integrinâ€associated complexes from mesenchymal stem cells. Proteomics - Clinical Applications, 2016, 10, 51-57.	1.6	31
38	Talin mechanosensitivity is modulated by a direct interaction with cyclin-dependent kinase-1. Journal of Biological Chemistry, 2021, 297, 100837.	3.4	30
39	All-trans retinoic acid compromises desmosome expression in human epidermis. British Journal of Dermatology, 1998, 139, 577-584.	1.5	26
40	KANK2 Links Î±VÎ²5 Focal Adhesions to Microtubules and Regulates Sensitivity to Microtubule Poisons and Cell Migration. Frontiers in Cell and Developmental Biology, 2020, 8, 125.	3.7	22
41	Development of an alternative light source to lasers for photodynamic therapy: 2. Comparative in vivo tumour response characteristics. Lasers in Medical Science, 1995, 10, 121-126.	2.1	17
42	A Small Molecule Î±4Î²1 Antagonist Prevents Development of Murine Lyme Arthritis without Affecting Protective Immunity. Journal of Immunology, 2005, 175, 4724-4734.	0.8	16
43	CD14 is a ligand for the integrin Î±4Î²1. FEBS Letters, 2007, 581, 757-763.	2.8	16
44	KANK family proteins in cancer. International Journal of Biochemistry and Cell Biology, 2021, 131, 105903.	2.8	13
45	Characterization of the Phospho-Adhesome by Mass Spectrometry-Based Proteomics. Methods in Molecular Biology, 2017, 1636, 235-251.	0.9	13
46	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. Oncogene, 2021, 40, 5224-5235.	5.9	11
47	The Tongue Squamous Carcinoma Cell Line Cal27 Primarily Employs Integrin Î±6Î²4-Containing Type II Hemidesmosomes for Adhesion Which Contribute to Anticancer Drug Sensitivity. Frontiers in Cell and Developmental Biology, 2021, 9, 786758.	3.7	6
48	The alternatively spliced type III connecting segment of fibronectin is a zinc-binding module. Matrix Biology, 2007, 26, 485-493.	3.6	5
49	Alternative cellular roles for proteins identified using proteomics. Journal of Proteomics, 2012, 75, 4184-4185.	2.4	5
50	Pancreatic ductal adenocarcinoma cells employ integrin Î±6Î²4 to form hemidesmosomes and regulate cell proliferation. Matrix Biology, 2022, 110, 16-39.	3.6	5
51	A Syndecan-4 Hair Trigger Initiates Wound Healing through Caveolin- and RhoG-Regulated Integrin Endocytosis. Developmental Cell, 2012, 23, 1081-1082.	7.0	3
52	Global proteomic analysis of insulin receptor interactors in glomerular podocytes. Wellcome Open Research, 2020, 5, 202.	1.8	2