

Josephine C. Adams

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

7,313
citations

66315

42
h-index

71651

76
g-index

83
all docs

83
docs citations

83
times ranked

8104
citing authors

#	ARTICLE	IF	CITATIONS
1	The kelch repeat superfamily of proteins: propellers of cell function. Trends in Cell Biology, 2000, 10, 17-24.	3.6	570
2	Changes in keratinocyte adhesion during terminal differentiation: Reduction in fibronectin binding precedes $\alpha 5 \beta 1$ integrin loss from the cell surface. Cell, 1990, 63, 425-435.	13.5	438
3	Directional control of lamellipodia extension by constraining cell shape and orienting cell tractional forces. FASEB Journal, 2002, 16, 1195-1204.	0.2	431
4	The thrombospondins. International Journal of Biochemistry and Cell Biology, 2004, 36, 961-968.	1.2	391
5	Thrombospondins: Multifunctional Regulators of Cell Interactions. Annual Review of Cell and Developmental Biology, 2001, 17, 25-51.	4.0	364
6	The Thrombospondins. Cold Spring Harbor Perspectives in Biology, 2011, 3, a009712-a009712.	2.3	355
7	Roles of fascin in cell adhesion and motility. Current Opinion in Cell Biology, 2004, 16, 590-596.	2.6	326
8	The Evolution of Extracellular Matrix. Molecular Biology of the Cell, 2010, 21, 4300-4305.	0.9	296
9	Fascins, and their roles in cell structure and function. BioEssays, 2002, 24, 350-361.	1.2	293
10	Roles of fascin in human carcinoma motility and signaling: Prospects for a novel biomarker?. International Journal of Biochemistry and Cell Biology, 2005, 37, 1787-1804.	1.2	253
11	The RickA protein of Rickettsia conorii activates the Arp2/3 complex. Nature, 2004, 427, 457-461.	13.7	245
12	The roles of fascins in health and disease. Journal of Pathology, 2011, 224, 289-300.	2.1	163
13	Structure of a thrombospondin C-terminal fragment reveals a novel calcium core in the type 3 repeats. EMBO Journal, 2004, 23, 1223-1233.	3.5	153
14	Molecular phylogeny of the kelch-repeat superfamily reveals an expansion of BTB/kelch proteins in animals. BMC Bioinformatics, 2003, 4, 42.	1.2	142
15	Association of fascin-1 with mortality, disease progression and metastasis in carcinomas: a systematic review and meta-analysis. BMC Medicine, 2013, 11, 52.	2.3	139
16	Identification and characterization of thrombospondin-4, a new member of the thrombospondin gene family.. Journal of Cell Biology, 1993, 120, 1059-1067.	2.3	136
17	Interaction of fascin and protein kinase C α : a novel intersection in cell adhesion and motility. EMBO Journal, 2003, 22, 5390-5402.	3.5	126
18	Stimulation of Fascin Spikes by Thrombospondin-1 Is Mediated by the Gtpases Rac and Cdc42. Journal of Cell Biology, 2000, 150, 807-822.	2.3	118

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19	Dual Actin-bundling and Protein Kinase C-binding Activities of Fascin Regulate Carcinoma Cell Migration Downstream of Rac and Contribute to Metastasis. <i>Molecular Biology of the Cell</i> , 2007, 18, 4591-4602.	0.9	117
20	A Role for Syndecan-1 in Coupling Fascin Spike Formation by Thrombospondin-1. <i>Journal of Cell Biology</i> , 2001, 152, 1169-1182.	2.3	116
21	Prognostic significance of fascin expression in advanced colorectal cancer: an immunohistochemical study of colorectal adenomas and adenocarcinomas. <i>BMC Cancer</i> , 2006, 6, 241.	1.1	111
22	Thrombospondin-1. <i>International Journal of Biochemistry and Cell Biology</i> , 1997, 29, 861-865.	1.2	105
23	Phylogenetic analysis of the tenascin gene family: evidence of origin early in the chordate lineage. <i>BMC Evolutionary Biology</i> , 2006, 6, 60.	3.2	92
24	The Evolution of Thrombospondins and Their Ligand-Binding Activities. <i>Molecular Biology and Evolution</i> , 2010, 27, 2187-2197.	3.5	88
25	Adhesion-modulating/matricellular ECM protein families: A structural, functional and evolutionary appraisal. <i>Matrix Biology</i> , 2012, 31, 155-161.	1.5	85
26	Muskelin, a novel intracellular mediator of cell adhesive and cytoskeletal responses to thrombospondin-1. <i>EMBO Journal</i> , 1998, 17, 4964-4974.	3.5	76
27	Fascin Protrusions in Cell Interactions. <i>Trends in Cardiovascular Medicine</i> , 2004, 14, 221-226.	2.3	73
28	Expression of fascin-1, the gene encoding the actin-bundling protein fascin-1, during mouse embryogenesis. <i>Gene Expression Patterns</i> , 2004, 4, 637-643.	0.3	73
29	Thrombospondin-1 promotes matrix homeostasis by interacting with collagen and lysyl oxidase precursors and collagen cross-linking sites. <i>Science Signaling</i> , 2018, 11, .	1.6	70
30	Rac regulates the interaction of fascin with protein kinase C in cell migration. <i>Journal of Cell Science</i> , 2008, 121, 2805-2813.	1.2	67
31	Comparative genomics of the syndecans defines an ancestral genomic context associated with matrilins in vertebrates. <i>BMC Genomics</i> , 2006, 7, 83.	1.2	64
32	Functions of the conserved thrombospondin carboxy-terminal cassette in cellâ€œextracellular matrix interactions and signaling. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1102-1114.	1.2	63
33	Characterisation of Drosophila Thrombospondin Defines an Early Origin of Pentameric Thrombospondins. <i>Journal of Molecular Biology</i> , 2003, 328, 479-494.	2.0	60
34	Association of loss of epithelial syndecan-1 with stage and local metastasis of colorectal adenocarcinomas: An immunohistochemical study of clinically annotated tumors. <i>BMC Cancer</i> , 2008, 8, 185.	1.1	60
35	Functional role of β -actinin, PI 3-kinase and MEK1/2 in insulin-like growth factor I receptor kinase regulated motility of human breast carcinoma cells. <i>Journal of Cell Science</i> , 2002, 115, 4149-4165.	1.2	57
36	Novel role of the muskelinâ€œRanBP9 complex as a nucleocytoplasmic mediator of cell morphology regulation. <i>Journal of Cell Biology</i> , 2008, 182, 727-739.	2.3	57

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37	Evidence Against a Major Role for Integrins in Calcium-Dependent Intercellular Adhesion of Epidermal Keratinocytes. <i>Cell Adhesion and Communication</i> , 1993, 1, 55-66.	1.7	56
38	Thrombospondin-4 is expressed by early osteogenic tissues in the chick embryo. <i>Developmental Dynamics</i> , 1995, 203, 477-490.	0.8	56
39	Molecular Phylogeny of a RING E3 Ubiquitin Ligase, Conserved in Eukaryotic Cells and Dominated by Homologous Components, the Muskelein/RanBPM/CTLH Complex. <i>PLoS ONE</i> , 2013, 8, e75217.	1.1	56
40	The evolution of tenascins and fibronectin. <i>Cell Adhesion and Migration</i> , 2015, 9, 22-33.	1.1	53
41	Coronary artery disease and the thrombospondin single nucleotide polymorphisms. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1013-1030.	1.2	46
42	Functional Role of Syndecan-1 Cytoplasmic V Region in Lamellipodial Spreading, Actin Bundling, and Cell Migration. <i>Molecular Biology of the Cell</i> , 2005, 16, 3678-3691.	0.9	45
43	Extracellular matrix retention of thrombospondin 1 is controlled by its conserved C-terminal region. <i>Journal of Cell Science</i> , 2008, 121, 784-795.	1.2	42
44	Fascin-1 Promoter Activity Is Regulated by CREB and the Aryl Hydrocarbon Receptor in Human Carcinoma Cells. <i>PLoS ONE</i> , 2009, 4, e5130.	1.1	42
45	Induction of fascin spikes in breast cancer cells by activation of the insulin-like growth factor-I receptor. <i>International Journal of Biochemistry and Cell Biology</i> , 2002, 34, 685-698.	1.2	41
46	A novel Rho-dependent pathway that drives interaction of fascin-1 with p-Lin-11/Isl-1/Mec-3 kinase (LIMK) 1/2 to promote fascin-1/actin binding and filopodia stability. <i>BMC Biology</i> , 2012, 10, 72.	1.7	40
47	The evolution of the dystroglycan complex, a major mediator of muscle integrity. <i>Biology Open</i> , 2015, 4, 1163-1179.	0.6	36
48	Hydra Mesoglea Proteome Identifies Thrombospondin as a Conserved Component Active in Head Organizer Restriction. <i>Scientific Reports</i> , 2018, 8, 11753.	1.6	30
49	Phylogenomic analysis of vertebrate thrombospondins reveals fish-specific paralogues, ancestral gene relationships and a tetrapod innovation. <i>BMC Evolutionary Biology</i> , 2006, 6, 33.	3.2	29
50	Membrane-associated collagens with interrupted triple-helices (MACITs): evolution from a bilaterian common ancestor and functional conservation in <i>C. elegans</i> . <i>BMC Evolutionary Biology</i> , 2015, 15, 281.	3.2	29
51	The predicted secretomes of <i>Monosiga brevicollis</i> and <i>Capsaspora owczarzaki</i> , close unicellular relatives of metazoans, reveal new insights into the evolution of the metazoan extracellular matrix. <i>Matrix Biology</i> , 2014, 37, 60-68.	1.5	27
52	Intermolecular interactions of thrombospondins drive their accumulation in extracellular matrix. <i>Molecular Biology of the Cell</i> , 2015, 26, 2640-2654.	0.9	27
53	A Rapid, Scalable Method for the Isolation, Functional Study, and Analysis of Cell-derived Extracellular Matrix. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	26
54	Adhesion Networks of Cnidarians. <i>International Review of Cell and Molecular Biology</i> , 2014, 308, 323-377.	1.6	25

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55	Fascin-1 as a biomarker and prospective therapeutic target in colorectal cancer. <i>Expert Review of Molecular Diagnostics</i> , 2015, 15, 41-48.	1.5	25
56	Insider trading: Extracellular matrix proteins and their non-€canonical intracellular roles. <i>BioEssays</i> , 2016, 38, 77-88.	1.2	24
57	Matricellular Proteins: Functional Insights From Non-mammalian Animal Models. <i>Current Topics in Developmental Biology</i> , 2018, 130, 39-105.	1.0	24
58	Molecular analysis of muskelin identifies a conserved discoidin-like domain that contributes to protein self-association. <i>Biochemical Journal</i> , 2004, 381, 547-559.	1.7	18
59	Neuronal expression of muskelin in the rodent central nervous system. <i>BMC Neuroscience</i> , 2007, 8, 28.	0.8	18
60	Characterization of a <i>Drosophila melanogaster</i> orthologue of muskelin. <i>Gene</i> , 2002, 297, 69-78.	1.0	15
61	Prediction and analysis of higher-order coiled-coils: Insights from proteins of the extracellular matrix, tenascins and thrombospondins. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2392-2401.	1.2	14
62	Cell adhesion “spreading frontiers, intricate insights. <i>Trends in Cell Biology</i> , 1997, 7, 107-110.	3.6	12
63	Regulation of post-translational modifications of muskelin by protein kinase C. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 366-378.	1.2	11
64	A thrombospondin in the anthozoan <i>Nematostella vectensis</i> is associated with the nervous system and upregulated during regeneration. <i>Biology Open</i> , 2013, 2, 217-226.	0.6	11
65	Modelling the early evolution of extracellular matrix from modern Ctenophores and Sponges. <i>Essays in Biochemistry</i> , 2019, 63, 389-405.	2.1	11
66	Impairment of cell adhesion and migration by inhibition of protein disulphide isomerases in three breast cancer cell lines. <i>Bioscience Reports</i> , 2020, 40, .	1.1	10
67	Modulation of the extracellular matrix patterning of thrombospondins by actin dynamics and thrombospondin oligomer state. <i>Bioscience Reports</i> , 2015, 35, .	1.1	9
68	In the balance: how do thrombospondins contribute to the cellular pathophysiology of cardiovascular disease?. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C826-C845.	2.1	8
69	Studies of recombinant TWA1 reveal constitutive dimerization. <i>Bioscience Reports</i> , 2017, 37, .	1.1	7
70	Researching cells: much history, many frontiers. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C1-C1.	2.1	3
71	Association of SNPs in LCP1 and CTIF with hearing in 11-year old children: Findings from the Avon Longitudinal Study of Parents and Children (ALSPAC) birth cohort and the G-EAR consortium. <i>BMC Medical Genomics</i> , 2015, 8, 48.	0.7	3
72	Gasotransmitters: expanding the kinetic universe of cell signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C1-C2.	2.1	3

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73	Cell-cell and cell-matrix interactions. <i>Molecular Biology of the Cell</i> , 2012, 23, 965-965.	0.9	2
74	PDIA3/ERp57 promotes a matrix-rich secretome that stimulates fibroblast adhesion through CCN2. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C624-C644.	2.1	2
75	Onward and upward with transparent research reporting. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C355-C356.	2.1	1
76	Special issue on "Modulatory adhesion molecules in tissue homeostasis". <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 960.	1.2	0
77	Molecular and cellular evolution: A celebration of the 200th anniversary of the birth of Charles Darwin. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 250.	1.2	0
78	An <i>MBoC</i> Favorite: Fibronectin/integrin interaction induces tyrosine phosphorylation of a 120-kDa protein. <i>Molecular Biology of the Cell</i> , 2012, 23, 2821-2821.	0.9	0
79	<i>AJP-Cell</i> Theme on "Cell Signaling: Proteins, Pathways and Mechanisms". <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C197-C197.	2.1	0
80	Cell and Molecular Processes in Cancer Metastasis: an <i>AJP-Cell Physiology</i> set of Themed Reviews. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C443-C443.	2.1	0
81	Caveat emptor: for researchers, a rose will not smell sweet unless we know its composition. <i>Bioscience Reports</i> , 2017, 37, .	1.1	0