Josephine C. Adams

List of Publications by Year
in descending order

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	PDIA3/ERp57 promotes a matrix-rich secretome that stimulates fibroblast adhesion through CCN2. American Journal of Physiology - Cell Physiology, 2022, 322, C624-C644.	2.1	2
2	In the balance: how do thrombospondins contribute to the cellular pathophysiology of cardiovascular disease?. American Journal of Physiology - Cell Physiology, 2021, 321, C826-C845.	2.1	8
3	Impairment of cell adhesion and migration by inhibition of protein disulphide isomerases in three breast cancer cell lines. Bioscience Reports, 2020, 40, .	1.1	10
4	Modelling the early evolution of extracellular matrix from modern Ctenophores and Sponges. Essays in Biochemistry, 2019, 63, 389-405.	2.1	11
5	Thrombospondin-1 promotes matrix homeostasis by interacting with collagen and lysyl oxidase precursors and collagen cross-linking sites. Science Signaling, 2018, 11, .	1.6	70
6	Matricellular Proteins: Functional Insights From Non-mammalian Animal Models. Current Topics in Developmental Biology, 2018, 130, 39-105.	1.0	24
7	Hydra Mesoglea Proteome Identifies Thrombospondin as a Conserved Component Active in Head Organizer Restriction. Scientific Reports, 2018, 8, 11753.	1.6	30
8	Gaso-transmitters: expanding the kinetic universe of cell signaling. American Journal of Physiology - Cell Physiology, 2017, 312, C1-C2.	2.1	3
9	Caveat emptor: for researchers, a rose will not smell sweet unless we know its composition. Bioscience Reports, 2017, 37, .	1.1	0
10	Studies of recombinant TWA1 reveal constitutive dimerization. Bioscience Reports, 2017, 37, .	1.1	7
11	A Rapid, Scalable Method for the Isolation, Functional Study, and Analysis of Cell-derived Extracellular Matrix. Journal of Visualized Experiments, 2017, , .	0.2	26
12	Onward and upward with transparent research reporting. American Journal of Physiology - Cell Physiology, 2017, 312, C355-C356.	2.1	1
13	Insider trading: Extracellular matrix proteins and their nonâ€canonical intracellular roles. BioEssays, 2016, 38, 77-88.	1.2	24
14	Modulation of the extracellular matrix patterning of thrombospondins by actin dynamics and thrombospondin oligomer state. Bioscience Reports, 2015, 35, .	1.1	9
15	The evolution of the dystroglycan complex, a major mediator of muscle integrity. Biology Open, 2015, 4, 1163-1179.	0.6	36
16	Membrane-associated collagens with interrupted triple-helices (MACITs): evolution from a bilaterian common ancestor and functional conservation in C. elegans. BMC Evolutionary Biology, 2015, 15, 281.	3.2	29
17	Association of SNPs in LCP1 and CTIF with hearing in 11Âyear old children: Findings from the Avon Longitudinal Study of Parents and Children (ALSPAC) birth cohort and the G-EAR consortium. BMC Medical Genomics, 2015, 8, 48.	0.7	3
18	Fascin-1 as a biomarker and prospective therapeutic target in colorectal cancer. Expert Review of Molecular Diagnostics, 2015, 15, 41-48.	1.5	25

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19	Intermolecular interactions of thrombospondins drive their accumulation in extracellular matrix. Molecular Biology of the Cell, 2015, 26, 2640-2654.	0.9	27
20	AJP-Cell Theme on â€œCell Signaling: Proteins, Pathways and Mechanismsâ€• American Journal of Physiology - Cell Physiology, 2015, 308, C197-C197.	2.1	0
21	Cell and Molecular Processes in Cancer Metastasis: an AJP-Cell Physiology set of Themed Reviews. American Journal of Physiology - Cell Physiology, 2015, 309, C443-C443.	2.1	0
22	The evolution of tenascins and fibronectin. Cell Adhesion and Migration, 2015, 9, 22-33.	1.1	53
23	Adhesion Networks of Cnidarians. International Review of Cell and Molecular Biology, 2014, 308, 323-377.	1.6	25
24	Researching cells: much history, many frontiers. American Journal of Physiology - Cell Physiology, 2014, 307, C1-C1.	2.1	3
25	The predicted secretomes of Monosiga brevicollis and Capsaspora owczarzaki, close unicellular relatives of metazoans, reveal new insights into the evolution of the metazoan extracellular matrix. Matrix Biology, 2014, 37, 60-68.	1.5	27
26	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
27	Prediction and analysis of higher-order coiled-coils: Insights from proteins of the extracellular matrix, tenascins and thrombospondins. International Journal of Biochemistry and Cell Biology, 2013, 45, 2392-2401.	1.2	14
28	A thrombospondin in the anthozoan Nematostella vectensis is associated with the nervous system and upregulated during regeneration. Biology Open, 2013, 2, 217-226.	0.6	11
29	Molecular Phylogeny of a RING E3 Ubiquitin Ligase, Conserved in Eukaryotic Cells and Dominated by Homologous Components, the Muskelin/RanBPM/CTLH Complex. PLoS ONE, 2013, 8, e75217.	1.1	56
30	Cellâ€“cell and cellâ€“matrix interactions. Molecular Biology of the Cell, 2012, 23, 965-965.	0.9	2
31	An MBoC Favorite: Fibronectin/integrin interaction induces tyrosine phosphorylation of a 120-kDa protein. Molecular Biology of the Cell, 2012, 23, 2821-2821.	0.9	0
32	Adhesion-modulating/matricellular ECM protein families: A structural, functional and evolutionary appraisal. Matrix Biology, 2012, 31, 155-161.	1.5	85
33	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. BMC Biology, 2012, 10, 72.	1.7	40
34	The Thrombospondins. Cold Spring Harbor Perspectives in Biology, 2011, 3, a009712-a009712.	2.3	355
35	The roles of fascins in health and disease. Journal of Pathology, 2011, 224, 289-300.	2.1	163
36	The Evolution of Thrombospondins and Their Ligand-Binding Activities. Molecular Biology and Evolution, 2010, 27, 2187-2197.	3.5	88

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37	The Evolution of Extracellular Matrix. Molecular Biology of the Cell, 2010, 21, 4300-4305.	0.9	296
38	Fascin-1 Promoter Activity Is Regulated by CREB and the Aryl Hydrocarbon Receptor in Human Carcinoma Cells. PLoS ONE, 2009, 4, e5130.	1.1	42
39	Molecular and cellular evolution: A celebration of the 200th anniversary of the birth of Charles Darwin. International Journal of Biochemistry and Cell Biology, 2009, 41, 250.	1.2	0
40	Association of loss of epithelial syndecan-1 with stage and local metastasis of colorectal adenocarcinomas: An immunohistochemical study of clinically annotated tumors. BMC Cancer, 2008, 8, 185.	1.1	60
41	Rac regulates the interaction of fascin with protein kinase C in cell migration. Journal of Cell Science, 2008, 121, 2805-2813.	1.2	67
42	Novel role of the muskelinâ€“RanBP9 complex as a nucleocytoplasmic mediator of cell morphology regulation. Journal of Cell Biology, 2008, 182, 727-739.	2.3	57
43	Extracellular matrix retention of thrombospondin 1 is controlled by its conserved C-terminal region. Journal of Cell Science, 2008, 121, 784-795.	1.2	42
44	Dual Actin-bundling and Protein Kinase C-binding Activities of Fascin Regulate Carcinoma Cell Migration Downstream of Rac and Contribute to Metastasis. Molecular Biology of the Cell, 2007, 18, 4591-4602.	0.9	117
45	Regulation of post-translational modifications of muskelin by protein kinase C. International Journal of Biochemistry and Cell Biology, 2007, 39, 366-378.	1.2	11
46	Neuronal expression of muskelin in the rodent central nervous system. BMC Neuroscience, 2007, 8, 28.	0.8	18
47	Prognostic significance of fascin expression in advanced colorectal cancer: an immunohistochemical study of colorectal adenomas and adenocarcinomas. BMC Cancer, 2006, 6, 241.	1.1	111
48	Phylogenomic analysis of vertebrate thrombospondins reveals fish-specific paralogues, ancestral gene relationships and a tetrapod innovation. BMC Evolutionary Biology, 2006, 6, 33.	3.2	29
49	Phylogenetic analysis of the tenascin gene family: evidence of origin early in the chordate lineage. BMC Evolutionary Biology, 2006, 6, 60.	3.2	92
50	Comparative genomics of the syndecans defines an ancestral genomic context associated with matrilins in vertebrates. BMC Genomics, 2006, 7, 83.	1.2	64
51	Functional Role of Syndecan-1 Cytoplasmic V Region in Lamellipodial Spreading, Actin Bundling, and Cell Migration. Molecular Biology of the Cell, 2005, 16, 3678-3691.	0.9	45
52	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
53	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
54	The RickA protein of Rickettsia conorii activates the Arp2/3 complex. Nature, 2004, 427, 457-461.	13.7	245

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55	Fascin Protrusions in Cell Interactions. Trends in Cardiovascular Medicine, 2004, 14, 221-226.	2.3	73
56	Expression of fascin-1, the gene encoding the actin-bundling protein fascin-1, during mouse embryogenesis. Gene Expression Patterns, 2004, 4, 637-643.	0.3	73
57	Roles of fascin in cell adhesion and motility. Current Opinion in Cell Biology, 2004, 16, 590-596.	2.6	326
58	The thrombospondins. International Journal of Biochemistry and Cell Biology, 2004, 36, 961-968.	1.2	391
59	Coronary artery disease and the thrombospondin single nucleotide polymorphisms. International Journal of Biochemistry and Cell Biology, 2004, 36, 1013-1030.	1.2	46
60	Functions of the conserved thrombospondin carboxy-terminal cassette in cellâ€“extracellular matrix interactions and signaling. International Journal of Biochemistry and Cell Biology, 2004, 36, 1102-1114.	1.2	63
61	Special issue on â€œModulatory adhesion molecules in tissue homeostasisâ€• International Journal of Biochemistry and Cell Biology, 2004, 36, 960.	1.2	0
62	Molecular analysis of muskelin identifies a conserved discoidin-like domain that contributes to protein self-association. Biochemical Journal, 2004, 381, 547-559.	1.7	18
63	Interaction of fascin and protein kinase CÂ: a novel intersection in cell adhesion and motility. EMBO Journal, 2003, 22, 5390-5402.	3.5	126
64	Molecular phylogeny of the kelch-repeat superfamily reveals an expansion of BTB/kelch proteins in animals. BMC Bioinformatics, 2003, 4, 42.	1.2	142
65	Characterisation of Drosophila Thrombospondin Defines an Early Origin of Pentameric Thrombospondins. Journal of Molecular Biology, 2003, 328, 479-494.	2.0	60
66	Functional role of Î±-actinin, PI 3-kinase and MEK1/2 in insulin-like growth factor I receptor kinase regulated motility of human breast carcinoma cells. Journal of Cell Science, 2002, 115, 4149-4165.	1.2	57
67	Directional control of lamellipodia extension by constraining cell shape and orienting cell tractional forces. FASEB Journal, 2002, 16, 1195-1204.	0.2	431
68	Induction of fascin spikes in breast cancer cells by activation of the insulin-like growth factor-I receptor. International Journal of Biochemistry and Cell Biology, 2002, 34, 685-698.	1.2	41
69	Characterization of a Drosophila melanogaster orthologue of muskelin. Gene, 2002, 297, 69-78.	1.0	15
70	Fascins, and their roles in cell structure and function. BioEssays, 2002, 24, 350-361.	1.2	293
71	Thrombospondins: Multifunctional Regulators of Cell Interactions. Annual Review of Cell and Developmental Biology, 2001, 17, 25-51.	4.0	364
72	A Role for Syndecan-1 in Coupling Fascin Spike Formation by Thrombospondin-1. Journal of Cell Biology, 2001, 152, 1169-1182.	2.3	116

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73	The kelch repeat superfamily of proteins: propellers of cell function. Trends in Cell Biology, 2000, 10, 17-24.	3.6	570
74	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
75	Muskelin, a novel intracellular mediator of cell adhesive and cytoskeletal responses to thrombospondin-1. EMBO Journal, 1998, 17, 4964-4974.	3.5	76
76	Thrombospondin-1. International Journal of Biochemistry and Cell Biology, 1997, 29, 861-865.	1.2	105
77	Cell adhesion â€" spreading frontiers, intricate insights. Trends in Cell Biology, 1997, 7, 107-110.	3.6	12
78	Thrombospondin-4 is expressed by early osteogenic tissues in the chick embryo. Developmental Dynamics, 1995, 203, 477-490.	0.8	56
79	Evidence Against a Major Role for Integrins in Calcium-Dependent Intercellular Adhesion of Epidermal Keratinocytes. Cell Adhesion and Communication, 1993, 1, 55-66.	1.7	56
80	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
81	Changes in keratinocyte adhesion during terminal differentiation: Reduction in fibronectin binding precedes Î±5Î²1 integrin loss from the cell surface. Cell, 1990, 63, 425-435.	13.5	438