

Johanna Ivaska

List of Publications by Year in Descending Order

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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.

130
papers

9,722
citations

55
h-index

97
g-index

153
ext. papers

11,609
ext. citations

10.9
avg, IF

6.66
L-index

#	Paper	IF	Citations
130	Pressure Drives Rapid Burst-Like Coordinated Cellular Motion from 3D Cancer Aggregates.. <i>Advanced Science</i> , 2022 , e2104808	13.6	2
129	MASTL is enriched in cancerous and pluripotent stem cells and influences OCT1/OCT4 levels. <i>IScience</i> , 2022 , 25, 104459	6.1	0
128	Cargo-specific recruitment in clathrin- and dynamin-independent endocytosis. <i>Nature Cell Biology</i> , 2021 , 23, 1073-1084	23.4	10
127	SHANK3 conformation regulates direct actin binding and crosstalk with Rap1 signaling. <i>Current Biology</i> , 2021 , 31, 4956-4970.e9	6.3	1
126	Food for thought: How cell adhesion coordinates nutrient sensing. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	2
125	Integrin adhesion complexes. <i>Current Biology</i> , 2021 , 31, R536-R542	6.3	9
124	Talin rod domain-containing protein 1 (TLNRD1) is a novel actin-bundling protein which promotes filopodia formation. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	3
123	Myosin-X and talin modulate integrin activity at filopodia tips. <i>Cell Reports</i> , 2021 , 36, 109716	10.6	4
122	A feed-forward loop between SorLA and HER3 determines heregulin response and neratinib resistance. <i>Oncogene</i> , 2021 , 40, 1300-1317	9.2	7
121	Fluctuation-Based Super-Resolution Traction Force Microscopy. <i>Nano Letters</i> , 2020 , 20, 2230-2245	11.5	28
120	Kinase-Independent Functions of MASTL in Cancer: A New Perspective on MASTL Targeting. <i>Cells</i> , 2020 , 9,	7.9	1
119	Integrin Binding Dynamics Modulate Ligand-Specific Mechanosensing in Mammary Gland Fibroblasts. <i>IScience</i> , 2020 , 23, 100907	6.1	8
118	Mechano-responsiveness of fibrillar adhesions on stiffness-gradient gels. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	15
117	MASTL promotes cell contractility and motility through kinase-independent signaling. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	6
116	A Negative Feedback Loop Regulates Integrin Inactivation and Promotes Neutrophil Recruitment to Inflammatory Sites. <i>Journal of Immunology</i> , 2019 , 203, 1579-1588	5.3	5
115	Integrins as biomechanical sensors of the microenvironment. <i>Nature Reviews Molecular Cell Biology</i> , 2019 , 20, 457-473	48.7	367
114	SORLA regulates endosomal trafficking and oncogenic fitness of HER2. <i>Nature Communications</i> , 2019 , 10, 2340	17.4	28

113	GGA2 and RAB13 promote activity-dependent β -integrin recycling. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	15
112	Ga-DOTA-E[c(RGDfK)] PET Imaging of SHARPIN-Regulated Integrin Activity in Mice. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1380-1387	8.9	8
111	Filopodia Quantification Using FiloQuant. <i>Methods in Molecular Biology</i> , 2019 , 2040, 359-373	1.4	3
110	Superresolution architecture of cornerstone focal adhesions in human pluripotent stem cells. <i>Nature Communications</i> , 2019 , 10, 4756	17.4	18
109	Transcytosis route mediates rapid delivery of intact antibodies to draining lymph nodes. <i>Journal of Clinical Investigation</i> , 2019 , 129, 3086-3102	15.9	31
108	Integrin signaling and mechanotransduction in regulation of somatic stem cells. <i>Experimental Cell Research</i> , 2019 , 378, 217-225	4.2	17
107	Integrin trafficking in cells and tissues. <i>Nature Cell Biology</i> , 2019 , 21, 122-132	23.4	130
106	Filopodome Mapping Identifies p130Cas as a Mechanosensitive Regulator of Filopodia Stability. <i>Current Biology</i> , 2019 , 29, 202-216.e7	6.3	53
105	Mitosis-Resistant Adhesions Provide Molecular Memory to Dividing Cells. <i>Developmental Cell</i> , 2018 , 45, 5-7	10.2	3
104	ProLIF - quantitative integrin protein-protein interactions and synergistic membrane effects on proteoliposomes. <i>Journal of Cell Science</i> , 2018 , 132,	5.3	6
103	Every step of the way: integrins in cancer progression and metastasis. <i>Nature Reviews Cancer</i> , 2018 , 18, 533-548	31.3	514
102	Integrin activity in neuronal connectivity. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	44
101	Loss of ADAM9 expression impairs β integrin endocytosis, focal adhesion formation and cancer cell migration. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	16
100	Zebrafish Embryo Xenograft and Metastasis Assay. <i>Bio-protocol</i> , 2018 , 8, e3027	0.9	8
99	Lymphatic endothelium stimulates melanoma metastasis and invasion via MMP14-dependent Notch3 and β -integrin activation. <i>ELife</i> , 2018 , 7,	8.9	21
98	Targeting β -integrin inhibits vascular leakage in endotoxemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6467-E6476	11.5	50
97	Vascular Morphogenesis: An Integrin and Fibronectin Highway. <i>Current Biology</i> , 2017 , 27, R158-R161	6.3	12
96	SHANK proteins limit integrin activation by directly interacting with Rap1 and R-Ras. <i>Nature Cell Biology</i> , 2017 , 19, 292-305	23.4	82

95	AMPK negatively regulates tensin-dependent integrin activity. <i>Journal of Cell Biology</i> , 2017 , 216, 1107-1121	13	71
94	SHARPIN regulates collagen architecture and ductal outgrowth in the developing mouse mammary gland. <i>EMBO Journal</i> , 2017 , 36, 165-182	13	31
93	Epithelial vimentin plays a functional role in mammary gland development. <i>Development (Cambridge)</i> , 2017 , 144, 4103-4113	6.6	33
92	FiloQuant reveals increased filopodia density during breast cancer progression. <i>Journal of Cell Biology</i> , 2017 , 216, 3387-3403	7.3	72
91	Cell-derived matrices for studying cell proliferation and directional migration in a complex 3D microenvironment. <i>Nature Protocols</i> , 2017 , 12, 2376-2390	18.8	55
90	A Strong Contractile Actin Fence and Large Adhesions Direct Human Pluripotent Colony Morphology and Adhesion. <i>Stem Cell Reports</i> , 2017 , 9, 67-76	8	38
89	Tensins: Bridging AMP-Activated Protein Kinase with Integrin Activation. <i>Trends in Cell Biology</i> , 2017 , 27, 703-711	18.3	18
88	Using xCELLigence RTCA Instrument to Measure Cell Adhesion. <i>Bio-protocol</i> , 2017 , 7,	0.9	24
87	Beta 1-integrin-c-Met cooperation reveals an inside-in survival signalling on autophagy-related endomembranes. <i>Nature Communications</i> , 2016 , 7, 11942	17.4	59
86	Normal stroma suppresses cancer cell proliferation via mechanosensitive regulation of JMJD1a-mediated transcription. <i>Nature Communications</i> , 2016 , 7, 12237	17.4	71
85	Regulation of Cell Migration and β 1 Integrin Trafficking by the Endosomal Adaptor GGA3. <i>Traffic</i> , 2016 , 17, 670-88	5.7	26
84	Selective integrin endocytosis is driven by interactions between the integrin β chain and AP2. <i>Nature Structural and Molecular Biology</i> , 2016 , 23, 172-9	17.6	44
83	Endosomes: Emerging Platforms for Integrin-Mediated FAK Signalling. <i>Trends in Cell Biology</i> , 2016 , 26, 391-398	18.3	48
82	L-type calcium channels regulate filopodia stability and cancer cell invasion downstream of integrin signalling. <i>Nature Communications</i> , 2016 , 7, 13297	17.4	89
81	Vimentin coordinates fibroblast proliferation and keratinocyte differentiation in wound healing via TGF- β 1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4320-7	11.5	179
80	The complexity of integrins in cancer and new scopes for therapeutic targeting. <i>British Journal of Cancer</i> , 2016 , 115, 1017-1023	8.7	112
79	Fetal liver endothelium regulates the seeding of tissue-resident macrophages. <i>Nature</i> , 2016 , 538, 392-396	16.4	53
78	Integrin traffic - the update. <i>Journal of Cell Science</i> , 2015 , 128, 839-52	5.3	203

77	Formin-like 2 Promotes β -Integrin Trafficking and Invasive Motility Downstream of PKC δ <i>Developmental Cell</i> , 2015 , 34, 475-83	10.2	35
76	Blocking integrin inactivation as an anti-angiogenic therapy. <i>EMBO Journal</i> , 2015 , 34, 1293-5	13	4
75	Vimentin-ERK Signaling Uncouples Slug Gene Regulatory Function. <i>Cancer Research</i> , 2015 , 75, 2349-62	10.1	84
74	Integrin bondage: filamin takes control. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 355-7	17.6	4
73	Integrin endosomal signalling suppresses anoikis. <i>Nature Cell Biology</i> , 2015 , 17, 1412-21	23.4	140
72	Filopodia in cell adhesion, 3D migration and cancer cell invasion. <i>Current Opinion in Cell Biology</i> , 2015 , 36, 23-31	9	298
71	Mutually Exclusive Roles of SHARPIN in Integrin Inactivation and NF- κ B Signaling. <i>PLoS ONE</i> , 2015 , 10, e0143423	3.7	18
70	Johanna Ivaska: Finding opposing forces in integrins. <i>Journal of Cell Biology</i> , 2015 , 208, 652-3	7.3	
69	OSBP-related protein 3 (ORP3) coupling with VAMP-associated protein A regulates R-Ras activity. <i>Experimental Cell Research</i> , 2015 , 331, 278-91	4.2	57
68	Endothelial destabilization by angiopoietin-2 via integrin β activation. <i>Nature Communications</i> , 2015 , 6, 5962	17.4	158
67	Distinct c-Met activation mechanisms induce cell rounding or invasion through pathways involving integrins, RhoA and HIP1. <i>Journal of Cell Science</i> , 2014 , 127, 1938-52	5.3	26
66	Tensin-4-dependent MET stabilization is essential for survival and proliferation in carcinoma cells. <i>Developmental Cell</i> , 2014 , 29, 421-36	10.2	38
65	An RNAi screen identifies KIF15 as a novel regulator of the endocytic trafficking of integrin. <i>Journal of Cell Science</i> , 2014 , 127, 2433-47	5.3	22
64	Mutant p53-associated myosin-X upregulation promotes breast cancer invasion and metastasis. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1069-82	15.9	111
63	Identification of sharnin as a molecule regulating leukocyte transmigration from siRNA screens (LB281). <i>FASEB Journal</i> , 2014 , 28, LB281	0.9	
62	Molecular mechanism of T-cell protein tyrosine phosphatase (TCPTP) activation by mitoxantrone. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1988-97	4	9
61	SHARPIN regulates uropod detachment in migrating lymphocytes. <i>Cell Reports</i> , 2013 , 5, 619-28	10.6	44
60	Aneuploidy facilitates oncogenic transformation via specific genetic alterations, including Twist2 upregulation. <i>Carcinogenesis</i> , 2013 , 34, 2000-9	4.6	4

59	Integrin inactivators: balancing cellular functions in vitro and in vivo. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 430-42	48.7	161
58	Identification of protein interactions involved in cellular signaling. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 1752-63	7.6	60
57	Integrin-specific control of focal adhesion kinase and RhoA regulates membrane protrusion and invasion. <i>PLoS ONE</i> , 2013 , 8, e74659	3.7	35
56	A ZO-1/ β -integrin complex regulates cytokinesis downstream of PKC δ in NCI-H460 cells plated on fibronectin. <i>PLoS ONE</i> , 2013 , 8, e70696	3.7	10
55	Distinct recycling of active and inactive β integrins. <i>Traffic</i> , 2012 , 13, 610-25	5.7	168
54	Calpains promote α β integrin turnover in nonrecycling integrin pathway. <i>Molecular Biology of the Cell</i> , 2012 , 23, 448-63	3.5	20
53	Negative regulators of integrin activity. <i>Journal of Cell Science</i> , 2012 , 125, 3271-80	5.3	30
52	Distinct roles of AKT isoforms in regulating β -integrin activity, migration, and invasion in prostate cancer. <i>Molecular Biology of the Cell</i> , 2012 , 23, 3357-69	3.5	62
51	A functional genetic screen reveals new regulators of β -integrin activity. <i>Journal of Cell Science</i> , 2012 , 125, 649-61	5.3	35
50	The R-Ras/RIN2/Rab5 complex controls endothelial cell adhesion and morphogenesis via active integrin endocytosis and Rac signaling. <i>Cell Research</i> , 2012 , 22, 1479-501	24.7	84
49	Syndecan-1 and -4 differentially regulate oncogenic K-ras dependent cell invasion into collagen through α β integrin and MT1-MMP. <i>Matrix Biology</i> , 2011 , 30, 207-17	11.4	39
48	Cooperation between integrins and growth factor receptors in signaling and endocytosis. <i>Annual Review of Cell and Developmental Biology</i> , 2011 , 27, 291-320	12.6	195
47	SHARPIN is an endogenous inhibitor of β -integrin activation. <i>Nature Cell Biology</i> , 2011 , 13, 1315-24	23.4	159
46	High-throughput methods in identification of protein tyrosine phosphatase inhibitors and activators. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011 , 11, 141-50	2.2	10
45	Vimentin: Central hub in EMT induction?. <i>Small GTPases</i> , 2011 , 2, 51-53	2.7	117
44	Filopodia and adhesion in cancer cell motility. <i>Cell Adhesion and Migration</i> , 2011 , 5, 421-30	3.2	173
43	Competitive binding of Rab21 and p120RasGAP to integrins regulates receptor traffic and migration. <i>Journal of Cell Biology</i> , 2011 , 194, 291-306	7.3	73
42	PtdIns(3,4,5)PI δ is a regulator of myosin-X localization and filopodia formation. <i>Journal of Cell Science</i> , 2010 , 123, 3525-34	5.3	62

41	A phase II trial of bevacizumab with dacarbazine and daily low-dose interferon-alpha2a as first line treatment in metastatic melanoma. <i>Melanoma Research</i> , 2010 , 20, 318-25	3.3	47
40	Interplay between cell adhesion and growth factor receptors: from the plasma membrane to the endosomes. <i>Cell and Tissue Research</i> , 2010 , 339, 111-20	4.2	56
39	Inhibition of receptor tyrosine kinase signalling by small molecule agonist of T-cell protein tyrosine phosphatase. <i>BMC Cancer</i> , 2010 , 10, 7	4.8	28
38	Mammary-derived growth inhibitor alters traffic of EGFR and induces a novel form of cetuximab resistance. <i>Clinical Cancer Research</i> , 2009 , 15, 6570-81	12.9	30
37	PKCepsilon regulation of an alpha5 integrin-ZO-1 complex controls lamellae formation in migrating cancer cells. <i>Science Signaling</i> , 2009 , 2, ra32	8.8	61
36	CIP2A is associated with human breast cancer aggressivity. <i>Clinical Cancer Research</i> , 2009 , 15, 5092-100	12.9	190
35	SCAI acts as a suppressor of cancer cell invasion through the transcriptional control of beta1-integrin. <i>Nature Cell Biology</i> , 2009 , 11, 557-68	23.4	97
34	Integrins and mutant p53 on the road to metastasis. <i>Cell</i> , 2009 , 139, 1220-2	56.2	19
33	Syndecan-1 supports integrin alpha2beta1-mediated adhesion to collagen. <i>Experimental Cell Research</i> , 2008 , 314, 3369-81	4.2	56
32	Cross-talk between integrins alpha1beta1 and alpha2beta1 in renal epithelial cells. <i>Experimental Cell Research</i> , 2008 , 314, 3593-604	4.2	27
31	Integrin trafficking regulated by Rab21 is necessary for cytokinesis. <i>Developmental Cell</i> , 2008 , 15, 371-385	5.2	153
30	The protein tyrosine phosphatase TCPTP controls VEGFR2 signalling. <i>Journal of Cell Science</i> , 2008 , 121, 3570-80	5.3	60
29	The R-Ras interaction partner ORP3 regulates cell adhesion. <i>Journal of Cell Science</i> , 2008 , 121, 695-705	5.3	73
28	Novel functions of vimentin in cell adhesion, migration, and signaling. <i>Experimental Cell Research</i> , 2007 , 313, 2050-62	4.2	532
27	Serum angiogenin levels predict treatment response in patients with stage IV melanoma. <i>Clinical and Experimental Metastasis</i> , 2007 , 24, 567-74	4.7	17
26	CIP2A inhibits PP2A in human malignancies. <i>Cell</i> , 2007 , 130, 51-62	56.2	591
25	Integrin traffic. <i>Journal of Cell Science</i> , 2006 , 119, 3723-31	5.3	180
24	Small GTPase Rab21 regulates cell adhesion and controls endosomal traffic of beta1-integrins. <i>Journal of Cell Biology</i> , 2006 , 173, 767-80	7.3	253

23	Negative regulation of EGFR signalling through integrin-alpha1beta1-mediated activation of protein tyrosine phosphatase TCPTP. <i>Nature Cell Biology</i> , 2005 , 7, 78-85	23.4	166
22	PKCepsilon-mediated phosphorylation of vimentin controls integrin recycling and motility. <i>EMBO Journal</i> , 2005 , 24, 3834-45	13	213
21	Differential expression of collagen- and laminin-binding integrins mediates ureteric bud and inner medullary collecting duct cell tubulogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 287, F602-11	4.3	59
20	Integrin-mediated cell adhesion to type I collagen fibrils. <i>Journal of Biological Chemistry</i> , 2004 , 279, 31956-63	5.4	260
19	Clustering induces a lateral redistribution of alpha 2 beta 1 integrin from membrane rafts to caveolae and subsequent protein kinase C-dependent internalization. <i>Molecular Biology of the Cell</i> , 2004 , 15, 625-36	3.5	156
18	PKCepsilon is a permissive link in integrin-dependent IFN-gamma signalling that facilitates JAK phosphorylation of STAT1. <i>Nature Cell Biology</i> , 2003 , 5, 363-9	23.4	63
17	PKC epsilon controls the traffic of beta1 integrins in motile cells. <i>EMBO Journal</i> , 2002 , 21, 3608-19	13	125
16	Internalization of echovirus 1 in caveolae. <i>Journal of Virology</i> , 2002 , 76, 1856-65	6.6	193
15	Integrin alpha 2 beta 1 promotes activation of protein phosphatase 2A and dephosphorylation of Akt and glycogen synthase kinase 3 beta. <i>Molecular and Cellular Biology</i> , 2002 , 22, 1352-9	4.8	150
14	Integrin alpha(2)I domain recognizes type I and type IV collagens by different mechanisms. <i>Journal of Biological Chemistry</i> , 2000 , 275, 3348-54	5.4	57
13	Distinct recognition of collagen subtypes by alpha(1)beta(1) and alpha(2)beta(1) integrins. Alpha(1)beta(1) mediates cell adhesion to type XIII collagen. <i>Journal of Biological Chemistry</i> , 2000 , 275, 8255-61	5.4	135
12	Integrin alpha2beta1 mediates isoform-specific activation of p38 and upregulation of collagen gene transcription by a mechanism involving the alpha2 cytoplasmic tail. <i>Journal of Cell Biology</i> , 1999 , 147, 401-16	7.3	190
11	A peptide inhibiting the collagen binding function of integrin alpha2I domain. <i>Journal of Biological Chemistry</i> , 1999 , 274, 3513-21	5.4	75
10	"RKKH" peptides from the snake venom metalloproteinase of Bothrops jararaca bind near the metal ion-dependent adhesion site of the human integrin alpha(2) I-domain. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31493-505	5.4	30
9	Myosin-X and talin modulate integrin activity at filopodia tips		2
8	FiloQuant reveals increased filopodia density during DCIS progression		2
7	Vimentin plays a functional role in mammary gland regeneration		2
6	Talin Rod Domain Containing Protein 1 (TLNRD1) is a novel actin-bundling protein which promotes filopodia formation		3

5	Cargo-specific recruitment in clathrin and dynamin-independent endocytosis	3
4	GGA2 and RAB13 promote activity-dependent β -integrin recycling	1
3	Superresolution architecture of pluripotency guarding adhesions	2
2	Integrin binding dynamics modulate ligand-specific mechanosensing in mammary gland fibroblasts	3
1	PP2A inhibitor PME-1 suppresses anoikis, and is associated with therapy relapse of PTEN-deficient prostate cancers	2