

Margaret C Frame

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.

130
papers

10,682
citations

53
h-index

102
g-index

144
ext. papers

11,947
ext. citations

10.2
avg, IF

6.23
L-index

#	Paper	IF	Citations
130	The role of focal-adhesion kinase in cancer - a new therapeutic opportunity. <i>Nature Reviews Cancer</i> , 2005 , 5, 505-15	31.3	806
129	E-cadherin-integrin crosstalk in cancer invasion and metastasis. <i>Journal of Cell Science</i> , 2013 , 126, 393-404	31.3	443
128	Mutant p53 drives metastasis and overcomes growth arrest/senescence in pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 246-51	11.5	428
127	Visceral and subcutaneous fat have different origins and evidence supports a mesothelial source. <i>Nature Cell Biology</i> , 2014 , 16, 367-75	23.4	334
126	Newest findings on the oldest oncogene; how activated src does it. <i>Journal of Cell Science</i> , 2004 , 117, 989-98	5.3	320
125	Src-induced de-regulation of E-cadherin in colon cancer cells requires integrin signalling. <i>Nature Cell Biology</i> , 2002 , 4, 632-8	23.4	320
124	Src in cancer: deregulation and consequences for cell behaviour. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2002 , 1602, 114-30	11.2	296
123	Focal adhesion and actin dynamics: a place where kinases and proteases meet to promote invasion. <i>Trends in Cell Biology</i> , 2004 , 14, 241-9	18.3	290
122	The calpain system and cancer. <i>Nature Reviews Cancer</i> , 2011 , 11, 364-74	31.3	270
121	v-Src hold over actin and cell adhesions. <i>Nature Reviews Molecular Cell Biology</i> , 2002 , 3, 233-45	48.7	270
120	The FERM domain: organizing the structure and function of FAK. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 802-14	48.7	254
119	Src and FAK signalling controls adhesion fate and the epithelial-to-mesenchymal transition. <i>Current Opinion in Cell Biology</i> , 2005 , 17, 542-7	9	232
118	RhoB and actin polymerization coordinate Src activation with endosome-mediated delivery to the membrane. <i>Developmental Cell</i> , 2004 , 7, 855-69	10.2	217
117	Nuclear FAK controls chemokine transcription, Tregs, and evasion of anti-tumor immunity. <i>Cell</i> , 2015 , 163, 160-73	56.2	211
116	Focal adhesion kinase controls actin assembly via a FERM-mediated interaction with the Arp2/3 complex. <i>Nature Cell Biology</i> , 2007 , 9, 1046-56	23.4	207
115	Increased dosage and amplification of the focal adhesion kinase gene in human cancer cells. <i>Oncogene</i> , 1999 , 18, 5646-53	9.2	188
114	Identification of Src-specific phosphorylation site on focal adhesion kinase: dissection of the role of Src SH2 and catalytic functions and their consequences for tumor cell behavior. <i>Cancer Research</i> , 2005 , 65, 1335-42	10.1	179

113	Specific deletion of focal adhesion kinase suppresses tumor formation and blocks malignant progression. <i>Genes and Development</i> , 2004 , 18, 2998-3003	12.6	174
112	Mammary epithelial-specific disruption of the focal adhesion kinase blocks mammary tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20302-7	11.5	170
111	A novel role for FAK as a protease-targeting adaptor protein: regulation by p42 ERK and Src. <i>Current Biology</i> , 2003 , 13, 1442-50	6.3	167
110	A complex between FAK, RACK1, and PDE4D5 controls spreading initiation and cancer cell polarity. <i>Current Biology</i> , 2010 , 20, 1086-92	6.3	162
109	Coordination of cell polarization and migration by the Rho family GTPases requires Src tyrosine kinase activity. <i>Current Biology</i> , 2001 , 11, 1836-46	6.3	156
108	Focal adhesion kinase is required for intestinal regeneration and tumorigenesis downstream of Wnt/c-Myc signaling. <i>Developmental Cell</i> , 2010 , 19, 259-69	10.2	149
107	Src and focal adhesion kinase as therapeutic targets in cancer. <i>Current Opinion in Pharmacology</i> , 2008 , 8, 427-32	5.1	149
106	Paradox-breaking RAF inhibitors that also target SRC are effective in drug-resistant BRAF mutant melanoma. <i>Cancer Cell</i> , 2015 , 27, 85-96	24.3	147
105	The catalytic activity of the Src family kinases is required to disrupt cadherin-dependent cell-cell contacts. <i>Molecular Biology of the Cell</i> , 2000 , 11, 51-64	3.5	141
104	Autophagic targeting of Src promotes cancer cell survival following reduced FAK signalling. <i>Nature Cell Biology</i> , 2011 , 14, 51-60	23.4	137
103	Cellular functions of the ADF/cofilin family at a glance. <i>Journal of Cell Science</i> , 2016 , 129, 3211-8	5.3	123
102	Spatial regulation of RhoA activity during pancreatic cancer cell invasion driven by mutant p53. <i>Cancer Research</i> , 2011 , 71, 747-57	10.1	118
101	Realizing the promise of reverse phase protein arrays for clinical, translational, and basic research: a workshop report: the RPPA (Reverse Phase Protein Array) society. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 1625-43	7.6	117
100	LKB1 haploinsufficiency cooperates with Kras to promote pancreatic cancer through suppression of p21-dependent growth arrest. <i>Gastroenterology</i> , 2010 , 139, 586-97, 597.e1-6	13.3	116
99	Cleavage of focal adhesion kinase by different proteases during SRC-regulated transformation and apoptosis. Distinct roles for calpain and caspases. <i>Journal of Biological Chemistry</i> , 2001 , 276, 4270-5	5.4	113
98	Dasatinib inhibits the development of metastases in a mouse model of pancreatic ductal adenocarcinoma. <i>Gastroenterology</i> , 2010 , 139, 292-303	13.3	110
97	Critical role for lipid raft-associated Src kinases in activation of PI3K-Akt signalling. <i>Cellular Signalling</i> , 2007 , 19, 1081-92	4.9	110
96	Quantitative in vivo imaging of the effects of inhibiting integrin signaling via Src and FAK on cancer cell movement: effects on E-cadherin dynamics. <i>Cancer Research</i> , 2010 , 70, 9413-22	10.1	103

95	Identification of potential biomarkers for measuring inhibition of Src kinase activity in colon cancer cells following treatment with dasatinib. <i>Molecular Cancer Therapeutics</i> , 2006 , 5, 3014-22	6.1	102
94	Src SH3/2 domain-mediated peripheral accumulation of Src and phospho-myosin is linked to deregulation of E-cadherin and the epithelial-mesenchymal transition. <i>Molecular Biology of the Cell</i> , 2004 , 15, 2794-803	3.5	97
93	Intravital FLIM-FRET imaging reveals dasatinib-induced spatial control of src in pancreatic cancer. <i>Cancer Research</i> , 2013 , 73, 4674-86	10.1	96
92	The SH3 domain directs acto-myosin-dependent targeting of v-Src to focal adhesions via phosphatidylinositol 3-kinase. <i>Molecular and Cellular Biology</i> , 2000 , 20, 6518-36	4.8	93
91	Endosomal trafficking of Src tyrosine kinase. <i>Trends in Cell Biology</i> , 2008 , 18, 322-9	18.3	88
90	Src kinase modulates the activation, transport and signalling dynamics of fibroblast growth factor receptors. <i>EMBO Reports</i> , 2007 , 8, 1162-9	6.5	83
89	The membrane targeting and spatial activation of Src, Yes and Fyn is influenced by palmitoylation and distinct RhoB/RhoD endosome requirements. <i>Journal of Cell Science</i> , 2007 , 120, 2555-64	5.3	82
88	FGF/heparin differentially regulates Schwann cell and olfactory ensheathing cell interactions with astrocytes: a role in astrocytosis. <i>Journal of Neuroscience</i> , 2007 , 27, 7154-67	6.6	81
87	Advances in Rho-dependent actin regulation and oncogenic transformation. <i>Current Opinion in Genetics and Development</i> , 2002 , 12, 36-43	4.9	80
86	The IpaC carboxyterminal effector domain mediates Src-dependent actin polymerization during Shigella invasion of epithelial cells. <i>PLoS Pathogens</i> , 2009 , 5, e1000271	7.6	79
85	N-cadherin differentially determines Schwann cell and olfactory ensheathing cell adhesion and migration responses upon contact with astrocytes. <i>Molecular and Cellular Neurosciences</i> , 2005 , 28, 253-63	4.8	77
84	Epigenetic downregulation of human disabled homolog 2 switches TGF-beta from a tumor suppressor to a tumor promoter. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2842-57	15.9	74
83	Real-time study of E-cadherin and membrane dynamics in living animals: implications for disease modeling and drug development. <i>Cancer Research</i> , 2009 , 69, 2714-9	10.1	63
82	Visualization of Src activity at different compartments of the plasma membrane by FRET imaging. <i>Chemistry and Biology</i> , 2009 , 16, 48-57		61
81	Src/FAK-mediated regulation of E-cadherin as a mechanism for controlling collective cell movement: insights from in vivo imaging. <i>Cell Adhesion and Migration</i> , 2011 , 5, 360-5	3.2	60
80	Chemoresistant KM12C colon cancer cells are addicted to low cyclic AMP levels in a phosphodiesterase 4-regulated compartment via effects on phosphoinositide 3-kinase. <i>Cancer Research</i> , 2007 , 67, 5248-57	10.1	58
79	Loss of Scar/WAVE complex promotes N-WASP- and FAK-dependent invasion. <i>Current Biology</i> , 2013 , 23, 107-17	6.3	55
78	Live cell in vitro and in vivo imaging applications: accelerating drug discovery. <i>Pharmaceutics</i> , 2011 , 3, 141-70	6.4	53

77	ADF and Cofilin1 Control Actin Stress Fibers, Nuclear Integrity, and Cell Survival. <i>Cell Reports</i> , 2015 , 13, 1949-64	10.6	51
76	c-Src drives intestinal regeneration and transformation. <i>EMBO Journal</i> , 2014 , 33, 1474-91	13	49
75	Imaging drug uptake by bioorthogonal stimulated Raman scattering microscopy. <i>Chemical Science</i> , 2017 , 8, 5606-5615	9.4	47
74	Focal adhesion kinase as a potential target in oncology. <i>Expert Opinion on Pharmacotherapy</i> , 2003 , 4, 227-34	4	47
73	Recruitment of phosphoinositide 3-kinase defines a positive contribution of tyrosine kinase signaling to E-cadherin function. <i>Journal of Biological Chemistry</i> , 2005 , 280, 3043-50	5.4	47
72	IL-33 and ST2 mediate FAK-dependent antitumor immune evasion through transcriptional networks. <i>Science Signaling</i> , 2017 , 10,	8.8	45
71	Src-dependent autophagic degradation of Ret in FAK-signalling-defective cancer cells. <i>EMBO Reports</i> , 2012 , 13, 733-40	6.5	44
70	The role of focal adhesion kinase catalytic activity on the proliferation and migration of squamous cell carcinoma cells. <i>International Journal of Cancer</i> , 2012 , 131, 287-97	7.5	43
69	The MacBlue binary transgene (csf1r-gal4VP16/UAS-ECFP) provides a novel marker for visualisation of subsets of monocytes, macrophages and dendritic cells and responsiveness to CSF1 administration. <i>PLoS ONE</i> , 2014 , 9, e105429	3.7	43
68	CD24 interacts with and promotes the activity of c-src within lipid rafts in breast cancer cells, thereby increasing integrin-dependent adhesion. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 435-48	10.3	39
67	The SRC-induced mesenchymal state in late-stage colon cancer cells. <i>Cells Tissues Organs</i> , 2005 , 179, 73-80	2.1	38
66	Two-color photoactivatable probe for selective tracking of proteins and cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 11607-16	5.4	36
65	Mislocalization of the E3 ligase, Etransducin repeat-containing protein 1 (ETrCP1), in glioblastoma uncouples negative feedback between the pleckstrin homology domain leucine-rich repeat protein phosphatase 1 (PHLPP1) and Akt. <i>Journal of Biological Chemistry</i> , 2011 , 286, 19777-88	5.4	36
64	AP-1 differentially expressed proteins Krp1 and fibronectin cooperatively enhance Rho-ROCK-independent mesenchymal invasion by altering the function, localization, and activity of nondifferentially expressed proteins. <i>Molecular and Cellular Biology</i> , 2006 , 26, 1480-95	4.8	36
63	Glioblastomas acquire myeloid-affiliated transcriptional programs via epigenetic immunoediting to elicit immune evasion. <i>Cell</i> , 2021 , 184, 2454-2470.e26	56.2	35
62	Targeting FAK in anticancer combination therapies. <i>Nature Reviews Cancer</i> , 2021 , 21, 313-324	31.3	32
61	Targeting DNA Damage Response and Replication Stress in Pancreatic Cancer. <i>Gastroenterology</i> , 2021 , 160, 362-377.e13	13.3	32
60	Nuclear FAK and Runx1 Cooperate to Regulate IGFBP3, Cell-Cycle Progression, and Tumor Growth. <i>Cancer Research</i> , 2017 , 77, 5301-5312	10.1	31

59	A direct interaction between fascin and microtubules contributes to adhesion dynamics and cell migration. <i>Journal of Cell Science</i> , 2015 , 128, 4601-14	5.3	30
58	Src-dependent phosphorylation of Scar1 promotes its association with the Arp2/3 complex. <i>Cytoskeleton</i> , 2006 , 63, 6-13		30
57	Rapid Discovery and Structure-Activity Relationships of Pyrazolopyrimidines That Potently Suppress Breast Cancer Cell Growth via SRC Kinase Inhibition with Exceptional Selectivity over ABL Kinase. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 4697-710	8.3	30
56	In vivo imaging of the tumor and its associated microenvironment using combined CARS / 2-photon microscopy. <i>Intravital</i> , 2015 , 4, e1055430		28
55	Kindlin-1 regulates mitotic spindle formation by interacting with integrins and Plk-1. <i>Nature Communications</i> , 2013 , 4, 2056	17.4	28
54	Signaling of the direction-sensing FAK/RACK1/PDE4D5 complex to the small GTPase Rap1. <i>Small GTPases</i> , 2011 , 2, 54-61	2.7	27
53	FAK deletion promotes p53-mediated induction of p21, DNA-damage responses and radio-resistance in advanced squamous cancer cells. <i>PLoS ONE</i> , 2011 , 6, e27806	3.7	26
52	Adhesion protein networks reveal functions proximal and distal to cell-matrix contacts. <i>Current Opinion in Cell Biology</i> , 2016 , 39, 93-100	9	26
51	A novel Src kinase inhibitor reduces tumour formation in a skin carcinogenesis model. <i>Carcinogenesis</i> , 2009 , 30, 249-57	4.6	25
50	Ambra1 spatially regulates Src activity and Src/FAK-mediated cancer cell invasion via trafficking networks. <i>ELife</i> , 2017 , 6,	8.9	24
49	NCAM is at the heart of reciprocal regulation of E-cadherin- and integrin-mediated adhesions via signaling modulation. <i>Developmental Cell</i> , 2008 , 15, 494-6	10.2	24
48	High-Precision Photothermal Ablation Using Biocompatible Palladium Nanoparticles and Laser Scanning Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3341-3348	9.5	23
47	Mer-mediated eosinophil efferocytosis regulates resolution of allergic airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 1884-1893.e6	11.5	22
46	Identification of novel pathways linking epithelial-to-mesenchymal transition with resistance to HER2-targeted therapy. <i>Oncotarget</i> , 2016 , 7, 11539-52	3.3	22
45	Focal adhesion kinase contributes to proliferative potential of ErbB2 mammary tumour cells but is dispensable for ErbB2 mammary tumour induction in vivo. <i>Breast Cancer Research</i> , 2012 , 14, R36	8.3	21
44	Diversity of matriptase expression level and function in breast cancer. <i>PLoS ONE</i> , 2012 , 7, e34182	3.7	21
43	mDia1 targets v-Src to the cell periphery and facilitates cell transformation, tumorigenesis, and invasion. <i>Molecular and Cellular Biology</i> , 2010 , 30, 4604-15	4.8	21
42	E-cadherin at the cell periphery is a determinant of keratinocyte differentiation in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 269, 369-76	3.4	21

41	Focal adhesion kinase is not required for Src-induced formation of invadopodia in KM12C colon cancer cells and can interfere with their assembly. <i>European Journal of Cell Biology</i> , 2008 , 87, 569-79	6.1	20
40	Use of photoactivation and photobleaching to monitor the dynamic regulation of E-cadherin at the plasma membrane. <i>Cell Adhesion and Migration</i> , 2010 , 4, 491-501	3.2	19
39	p70S6K is regulated by focal adhesion kinase and is required for Src-selective autophagy. <i>Cellular Signalling</i> , 2015 , 27, 1816-23	4.9	18
38	Eps8 controls Src- and FAK-dependent phenotypes in squamous carcinoma cells. <i>Journal of Cell Science</i> , 2014 , 127, 5303-16	5.3	18
37	The multi-FERM-domain-containing protein FrmA is required for turnover of paxillin-adhesion sites during cell migration of Dictyostelium. <i>Journal of Cell Science</i> , 2008 , 121, 1159-64	5.3	18
36	FAK-inhibition opens the door to checkpoint immunotherapy in Pancreatic Cancer 2017 , 5, 17		17
35	Structure-Based Design, Synthesis, and Characterization of the First Irreversible Inhibitor of Focal Adhesion Kinase. <i>ACS Chemical Biology</i> , 2018 , 13, 2067-2073	4.9	17
34	An active Src kinase-beta-actin association is linked to actin dynamics at the periphery of colon cancer cells. <i>Experimental Cell Research</i> , 2007 , 313, 3175-88	4.2	17
33	Structural basis of Focal Adhesion Kinase activation on lipid membranes. <i>EMBO Journal</i> , 2020 , 39, e104743	4.3	17
32	Kindlin1 regulates microtubule function to ensure normal mitosis. <i>Journal of Molecular Cell Biology</i> , 2016 , 8, 338-48	6.3	16
31	Combining imaging and pathway profiling: an alternative approach to cancer drug discovery. <i>Drug Discovery Today</i> , 2012 , 17, 203-14	8.8	16
30	T-cell co-stimulation in combination with targeting FAK drives enhanced anti-tumor immunity. <i>ELife</i> , 2020 , 9,	8.9	16
29	FAK to the rescue: activated stroma promotes a "safe haven" for BRAF-mutant melanoma cells by inducing FAK signaling. <i>Cancer Cell</i> , 2015 , 27, 429-31	24.3	15
28	FAK and talin: who is taking whom to the integrin engagement party?. <i>Journal of Cell Biology</i> , 2012 , 196, 185-7	7.3	15
27	A tal(in) of cell spreading. <i>Nature Cell Biology</i> , 2008 , 10, 1017-9	23.4	14
26	FAK goes nuclear to control antitumor immunity-a new target in cancer immuno-therapy. <i>Oncolmmunology</i> , 2016 , 5, e1119356	7.2	12
25	Quantitative real-time imaging of molecular dynamics during cancer cell invasion and metastasis in vivo. <i>Cell Adhesion and Migration</i> , 2009 , 3, 351-4	3.2	12
24	FAK acts as a suppressor of RTK-MAP kinase signalling in Drosophila melanogaster epithelia and human cancer cells. <i>PLoS Genetics</i> , 2014 , 10, e1004262	6	11

23	Exposure to the antimicrobial peptide LL-37 produces dendritic cells optimized for immunotherapy. <i>Oncolimmunology</i> , 2019 , 8, 1608106	7.2	10
22	Mutational activation of BRAF confers sensitivity to transforming growth factor beta inhibitors in human cancer cells. <i>Oncotarget</i> , 2016 , 7, 81995-82012	3.3	10
21	Reverse Phase Protein Arrays and Drug Discovery. <i>Methods in Molecular Biology</i> , 2017 , 1647, 153-169	1.4	9
20	Global histone modification fingerprinting in human cells using epigenetic reverse phase protein array. <i>Cell Death Discovery</i> , 2017 , 3, 16077	6.9	8
19	A Synergistic Anticancer FAK and HDAC Inhibitor Combination Discovered by a Novel Chemical-Genetic High-Content Phenotypic Screen. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 637-649	6.1	7
18	Trafficking of Adhesion and Growth Factor Receptors and Their Effector Kinases. <i>Annual Review of Cell and Developmental Biology</i> , 2018 , 34, 29-58	12.6	7
17	Novel roles of PRK1 and PRK2 in cilia and cancer biology. <i>Scientific Reports</i> , 2020 , 10, 3902	4.9	6
16	Rapid Polymer Conjugation Strategies for the Generation of pH-Responsive, Cancer Targeting, Polymeric Nanoparticles. <i>Biomacromolecules</i> , 2018 , 19, 2721-2730	6.9	6
15	Oncogenic BRAF, unrestrained by TGFβ receptor signalling, drives right-sided colonic tumorigenesis. <i>Nature Communications</i> , 2021 , 12, 3464	17.4	5
14	Translation Microscopy (TRAM) for super-resolution imaging. <i>Scientific Reports</i> , 2016 , 6, 19993	4.9	4
13	Modelling distinct modes of tumour invasion and metastasis. <i>Drug Discovery Today: Disease Models</i> , 2011 , 8, 103-112	1.3	4
12	A Conformation Selective Mode of Inhibiting SRC Improves Drug Efficacy and Tolerability. <i>Cancer Research</i> , 2021 , 81, 5438-5450	10.1	4
11	Development of a fluorescence-based cellular apoptosis reporter. <i>Methods and Applications in Fluorescence</i> , 2018 , 7, 015001	3.1	3
10	The autophagy protein Ambra1 regulates gene expression by supporting novel transcriptional complexes. <i>Journal of Biological Chemistry</i> , 2020 , 295, 12045-12057	5.4	3
9	V-SRC informs integrin signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 548	48.7	3
8	Multiphoton Microscopy for Visualizing Lipids in Tissue. <i>Methods in Molecular Biology</i> , 2016 , 1467, 105-118	18.4	3
7	Integrative analysis of multi-platform reverse-phase protein array data for the pharmacodynamic assessment of response to targeted therapies. <i>Scientific Reports</i> , 2020 , 10, 21985	4.9	3
6	FAK regulates IL-33 expression by controlling FAK chromatin accessibility at c-Jun motifs. <i>Scientific Reports</i> , 2021 , 11, 229	4.9	3

5	A Synergistic Anti-Cancer FAK and HDAC Inhibitor Combination Discovered by a Novel Chemical-Genetic High-Content Phenotypic Screen		2
4	Src-dependent autophagic degradation of Ret in FAK-signalling-defective cancer cells. <i>EMBO Reports</i> , 2012 , 13, 867-867	6.5	1
3	The ROCKs on which tumour cells thrive. <i>ELife</i> , 2016 , 5, e14511	8.9	1
2	Integrative analysis of multi-platform reverse-phase protein array data for the pharmacodynamic assessment of response to targeted therapies		1
1	A fluorogenic probe for granzyme B enables in-biopsy evaluation and screening of response to anticancer immunotherapies.. <i>Nature Communications</i> , 2022 , 13, 2366	17.4	0