Margaret C Frame

List of Publications by Year in Descending Order

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	A fluorogenic probe for granzyme B enables in-biopsy evaluation and screening of response to anticancer immunotherapies.. *Nature Communications*, **2022**, 13, 2366	17.4	0
129	Targeting FAK in anticancer combination therapies. *Nature Reviews Cancer*, **2021**, 21, 313-324	31.3	32
128	Glioblastomas acquire myeloid-affiliated transcriptional programs via epigenetic immunoediting to elicit immune evasion. *Cell*, **2021**, 184, 2454-2470.e26	56.2	35
127	Oncogenic BRAF, unrestrained by TGFβ receptor signalling, drives right-sided colonic tumorigenesis. *Nature Communications*, **2021**, 12, 3464	17.4	5
126	Targeting DNA Damage Response and Replication Stress in Pancreatic Cancer. *Gastroenterology*, **2021**, 160, 362-377.e13	13.3	32
125	A Conformation Selective Mode of Inhibiting SRC Improves Drug Efficacy and Tolerability. *Cancer Research*, **2021**, 81, 5438-5450	10.1	4
124	FAK regulates IL-33 expression by controlling chromatin accessibility at c-Jun motifs. *Scientific Reports*, **2021**, 11, 229	4.9	3
123	Novel roles of PRK1 and PRK2 in cilia and cancer biology. *Scientific Reports*, **2020**, 10, 3902	4.9	6
122	The autophagy protein Ambra1 regulates gene expression by supporting novel transcriptional complexes. *Journal of Biological Chemistry*, **2020**, 295, 12045-12057	5.4	3
121	A Synergistic Anticancer FAK and HDAC Inhibitor Combination Discovered by a Novel Chemical-Genetic High-Content Phenotypic Screen. *Molecular Cancer Therapeutics*, **2020**, 19, 637-649	6.1	7
120	Structural basis of Focal Adhesion Kinase activation on lipid membranes. *EMBO Journal*, **2020**, 39, e104743	9	17
119	Integrative analysis of multi-platform reverse-phase protein array data for the pharmacodynamic assessment of response to targeted therapies. *Scientific Reports*, **2020**, 10, 21985	4.9	3
118	T-cell co-stimulation in combination with targeting FAK drives enhanced anti-tumor immunity. *ELife* , **2020**, 9,	8.9	16
117	Exposure to the antimicrobial peptide LL-37 produces dendritic cells optimized for immunotherapy. *OncoImmunology*, **2019**, 8, 1608106	7.2	10
116	Development of a fluorescence-based cellular apoptosis reporter. *Methods and Applications in Fluorescence*, **2018**, 7, 015001	3.1	3
115	Rapid Polymer Conjugation Strategies for the Generation of pH-Responsive, Cancer Targeting, Polymeric Nanoparticles. *Biomacromolecules*, **2018**, 19, 2721-2730	6.9	6
114	Mer-mediated eosinophil efferocytosis regulates resolution of allergic airway inflammation. *Journal of Allergy and Clinical Immunology*, **2018**, 142, 1884-1893.e6	11.5	22

113	High-Precision Photothermal Ablation Using Biocompatible Palladium Nanoparticles and Laser Scanning Microscopy. *ACS Applied Materials & Interfaces*, **2018**, 10, 3341-3348	9.5	23
112	Trafficking of Adhesion and Growth Factor Receptors and Their Effector Kinases. *Annual Review of Cell and Developmental Biology*, **2018**, 34, 29-58	12.6	7
111	Structure-Based Design, Synthesis, and Characterization of the First Irreversible Inhibitor of Focal Adhesion Kinase. *ACS Chemical Biology*, **2018**, 13, 2067-2073	4.9	17
110	FAK-inhibition opens the door to checkpoint immunotherapy in Pancreatic Cancer **2017**, 5, 17		17
109	Imaging drug uptake by bioorthogonal stimulated Raman scattering microscopy. *Chemical Science*, **2017**, 8, 5606-5615	9.4	47
108	Global histone modification fingerprinting in human cells using epigenetic reverse phase protein array. *Cell Death Discovery*, **2017**, 3, 16077	6.9	8
107	Reverse Phase Protein Arrays and Drug Discovery. *Methods in Molecular Biology*, **2017**, 1647, 153-169	1.4	9
106	Nuclear FAK and Runx1 Cooperate to Regulate IGFBP3, Cell-Cycle Progression, and Tumor Growth. *Cancer Research*, **2017**, 77, 5301-5312	10.1	31
105	IL-33 and ST2 mediate FAK-dependent antitumor immune evasion through transcriptional networks. *Science Signaling*, **2017**, 10,	8.8	45
104	Ambra1 spatially regulates Src activity and Src/FAK-mediated cancer cell invasion via trafficking networks. *ELife*, **2017**, 6,	8.9	24
103	Translation Microscopy (TRAM) for super-resolution imaging. *Scientific Reports*, **2016**, 6, 19993	4.9	4
102	FAK goes nuclear to control antitumor immunity-a new target in cancer immuno-therapy. *OncoImmunology*, **2016**, 5, e1119356	7.2	12
101	Kindlin1 regulates microtubule function to ensure normal mitosis. *Journal of Molecular Cell Biology*, **2016**, 8, 338-48	6.3	16
100	Mutational activation of BRAF confers sensitivity to transforming growth factor beta inhibitors in human cancer cells. *Oncotarget*, **2016**, 7, 81995-82012	3.3	10
99	The ROCKs on which tumour cells thrive. *ELife*, **2016**, 5, e14511	8.9	1
98	Multiphoton Microscopy for Visualizing Lipids in Tissue. *Methods in Molecular Biology*, **2016**, 1467, 105-18	1.4	3
97	Identification of novel pathways linking epithelial-to-mesenchymal transition with resistance to HER2-targeted therapy. *Oncotarget*, **2016**, 7, 11539-52	3.3	22
96	Adhesion protein networks reveal functions proximal and distal to cell-matrix contacts. *Current Opinion in Cell Biology*, **2016**, 39, 93-100	9	26

95	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. *Journal of Medicinal Chemistry*, **2016**, 59, 4697-710	8.3	30
94	Cellular functions of the ADF/cofilin family at a glance. *Journal of Cell Science*, **2016**, 129, 3211-8	5.3	123
93	FAK to the rescue: activated stroma promotes a "safe haven" for BRAF-mutant melanoma cells by inducing FAK signaling. *Cancer Cell*, **2015**, 27, 429-31	24.3	15
92	Nuclear FAK controls chemokine transcription, Tregs, and evasion of anti-tumor immunity. *Cell*, **2015**, 163, 160-73	56.2	211
91	p70S6K is regulated by focal adhesion kinase and is required for Src-selective autophagy. *Cellular Signalling*, **2015**, 27, 1816-23	4.9	18
90	A direct interaction between fascin and microtubules contributes to adhesion dynamics and cell migration. *Journal of Cell Science*, **2015**, 128, 4601-14	5.3	30
89	ADF and Cofilin1 Control Actin Stress Fibers, Nuclear Integrity, and Cell Survival. *Cell Reports*, **2015**, 13, 1949-64	10.6	51
88	In vivo imaging of the tumor and its associated microenvironment using combined CARS / 2-photon microscopy. *Intravital*, **2015**, 4, e1055430		28
87	Paradox-breaking RAF inhibitors that also target SRC are effective in drug-resistant BRAF mutant melanoma. *Cancer Cell*, **2015**, 27, 85-96	24.3	147
86	Visceral and subcutaneous fat have different origins and evidence supports a mesothelial source. *Nature Cell Biology*, **2014**, 16, 367-75	23.4	334
85	c-Src drives intestinal regeneration and transformation. *EMBO Journal*, **2014**, 33, 1474-91	13	49
84	FAK acts as a suppressor of RTK-MAP kinase signalling in Drosophila melanogaster epithelia and human cancer cells. *PLoS Genetics*, **2014**, 10, e1004262	6	11
83	Eps8 controls Src- and FAK-dependent phenotypes in squamous carcinoma cells. *Journal of Cell Science*, **2014**, 127, 5303-16	5.3	18
82	Realizing the promise of reverse phase protein arrays for clinical, translational, and basic research: a workshop report: the RPPA (Reverse Phase Protein Array) society. *Molecular and Cellular Proteomics*, **2014**, 13, 1625-43	7.6	117
81	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. *PLoS ONE*, **2014**, 9, e105429	3.7	43
80	V-SRC informs integrin signalling. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 548	48.7	3
79	Loss of Scar/WAVE complex promotes N-WASP- and FAK-dependent invasion. *Current Biology*, **2013**, 23, 107-17	6.3	55
78	E-cadherin-integrin crosstalk in cancer invasion and metastasis. *Journal of Cell Science*, **2013**, 126, 393-401	5.3	443

77	Kindlin-1 regulates mitotic spindle formation by interacting with integrins and Plk-1. *Nature Communications*, **2013**, 4, 2056	17.4	28
76	Intravital FLIM-FRET imaging reveals dasatinib-induced spatial control of src in pancreatic cancer. *Cancer Research*, **2013**, 73, 4674-86	10.1	96
75	Combining imaging and pathway profiling: an alternative approach to cancer drug discovery. *Drug Discovery Today*, **2012**, 17, 203-14	8.8	16
74	CD24 interacts with and promotes the activity of c-src within lipid rafts in breast cancer cells, thereby increasing integrin-dependent adhesion. *Cellular and Molecular Life Sciences*, **2012**, 69, 435-48	10.3	39
73	Focal adhesion kinase contributes to proliferative potential of ErbB2 mammary tumour cells but is dispensable for ErbB2 mammary tumour induction in vivo. *Breast Cancer Research*, **2012**, 14, R36	8.3	21
72	Diversity of matriptase expression level and function in breast cancer. *PLoS ONE*, **2012**, 7, e34182	3.7	21
71	Src-dependent autophagic degradation of Ret in FAK-signalling-defective cancer cells. *EMBO Reports*, **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. *International Journal of Cancer*, **2012**, 131, 287-97	7.5	43
69	FAK and talin: who is taking whom to the integrin engagement party?. *Journal of Cell Biology*, **2012**, 196, 185-7	7.3	15
68	Src-dependent autophagic degradation of Ret in FAK-signalling-defective cancer cells. *EMBO Reports*, **2012**, 13, 867-867	6.5	1
67	Autophagic targeting of Src promotes cancer cell survival following reduced FAK signalling. *Nature Cell Biology*, **2011**, 14, 51-60	23.4	137
66	Modelling distinct modes of tumour invasion and metastasis. *Drug Discovery Today: Disease Models*, **2011**, 8, 103-112	1.3	4
65	Live cell in vitro and in vivo imaging applications: accelerating drug discovery. *Pharmaceutics*, **2011**, 3, 141-70	6.4	53
64	The calpain system and cancer. *Nature Reviews Cancer*, **2011**, 11, 364-74	31.3	270
63	Signaling of the direction-sensing FAK/RACK1/PDE4D5 complex to the small GTPase Rap1. *Small GTPases*, **2011**, 2, 54-61	2.7	27
62	Src/FAK-mediated regulation of E-cadherin as a mechanism for controlling collective cell movement: insights from in vivo imaging. *Cell Adhesion and Migration*, **2011**, 5, 360-5	3.2	60
61	Mislocalization of the E3 ligase, ⊟transducin repeat-containing protein 1 (⊟TrCP1), in glioblastoma uncouples negative feedback between the pleckstrin homology domain leucine-rich repeat protein phosphatase 1 (PHLPP1) and Akt. *Journal of Biological Chemistry*, **2011**, 286, 19777-88	5.4	36
60	Spatial regulation of RhoA activity during pancreatic cancer cell invasion driven by mutant p53. *Cancer Research*, **2011**, 71, 747-57	10.1	118

59	FAK deletion promotes p53-mediated induction of p21, DNA-damage responses and radio-resistance in advanced squamous cancer cells. *PLoS ONE*, **2011**, 6, e27806	3.7	26
58	The FERM domain: organizing the structure and function of FAK. *Nature Reviews Molecular Cell Biology*, **2010**, 11, 802-14	48.7	254
57	Two-color photoactivatable probe for selective tracking of proteins and cells. *Journal of Biological Chemistry*, **2010**, 285, 11607-16	5.4	36
56	Quantitative in vivo imaging of the effects of inhibiting integrin signaling via Src and FAK on cancer cell movement: effects on E-cadherin dynamics. *Cancer Research*, **2010**, 70, 9413-22	10.1	103
55	Epigenetic downregulation of human disabled homolog 2 switches TGF-beta from a tumor suppressor to a tumor promoter. *Journal of Clinical Investigation*, **2010**, 120, 2842-57	15.9	74
54	Mutant p53 drives metastasis and overcomes growth arrest/senescence in pancreatic cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 246-51	11.5	428
53	mDia1 targets v-Src to the cell periphery and facilitates cell transformation, tumorigenesis, and invasion. *Molecular and Cellular Biology*, **2010**, 30, 4604-15	4.8	21
52	Use of photoactivation and photobleaching to monitor the dynamic regulation of E-cadherin at the plasma membrane. *Cell Adhesion and Migration*, **2010**, 4, 491-501	3.2	19
51	Dasatinib inhibits the development of metastases in a mouse model of pancreatic ductal adenocarcinoma. *Gastroenterology*, **2010**, 139, 292-303	13.3	110
50	LKB1 haploinsufficiency cooperates with Kras to promote pancreatic cancer through suppression of p21-dependent growth arrest. *Gastroenterology*, **2010**, 139, 586-97, 597.e1-6	13.3	116
49	Focal adhesion kinase is required for intestinal regeneration and tumorigenesis downstream of Wnt/c-Myc signaling. *Developmental Cell*, **2010**, 19, 259-69	10.2	149
48	A complex between FAK, RACK1, and PDE4D5 controls spreading initiation and cancer cell polarity. *Current Biology*, **2010**, 20, 1086-92	6.3	162
47	Quantitative real-time imaging of molecular dynamics during cancer cell invasion and metastasis in vivo. *Cell Adhesion and Migration*, **2009**, 3, 351-4	3.2	12
46	Real-time study of E-cadherin and membrane dynamics in living animals: implications for disease modeling and drug development. *Cancer Research*, **2009**, 69, 2714-9	10.1	63
45	A novel Src kinase inhibitor reduces tumour formation in a skin carcinogenesis model. *Carcinogenesis*, **2009**, 30, 249-57	4.6	25
44	The IpaC carboxyterminal effector domain mediates Src-dependent actin polymerization during Shigella invasion of epithelial cells. *PLoS Pathogens*, **2009**, 5, e1000271	7.6	79
43	Visualization of Src activity at different compartments of the plasma membrane by FRET imaging. *Chemistry and Biology*, **2009**, 16, 48-57		61
42	A tal(in) of cell spreading. *Nature Cell Biology*, **2008**, 10, 1017-9	23.4	14

41	Focal adhesion kinase is not required for Src-induced formation of invadopodia in KM12C colon cancer cells and can interfere with their assembly. *European Journal of Cell Biology*, **2008**, 87, 569-79	6.1	20
40	Endosomal trafficking of Src tyrosine kinase. *Trends in Cell Biology*, **2008**, 18, 322-9	18.3	88
39	Src and focal adhesion kinase as therapeutic targets in cancer. *Current Opinion in Pharmacology*, **2008**, 8, 427-32	5.1	149
38	NCAM is at the heart of reciprocal regulation of E-cadherin- and integrin-mediated adhesions via signaling modulation. *Developmental Cell*, **2008**, 15, 494-6	10.2	24
37	The multi-FERM-domain-containing protein FrmA is required for turnover of paxillin-adhesion sites during cell migration of Dictyostelium. *Journal of Cell Science*, **2008**, 121, 1159-64	5.3	18
36	Focal adhesion kinase controls actin assembly via a FERM-mediated interaction with the Arp2/3 complex. *Nature Cell Biology*, **2007**, 9, 1046-56	23.4	207
35	Src kinase modulates the activation, transport and signalling dynamics of fibroblast growth factor receptors. *EMBO Reports*, **2007**, 8, 1162-9	6.5	83
34	Critical role for lipid raft-associated Src kinases in activation of PI3K-Akt signalling. *Cellular Signalling*, **2007**, 19, 1081-92	4.9	110
33	An active Src kinase-beta-actin association is linked to actin dynamics at the periphery of colon cancer cells. *Experimental Cell Research*, **2007**, 313, 3175-88	4.2	17
32	FGF/heparin differentially regulates Schwann cell and olfactory ensheathing cell interactions with astrocytes: a role in astrocytosis. *Journal of Neuroscience*, **2007**, 27, 7154-67	6.6	81
31	The membrane targeting and spatial activation of Src, Yes and Fyn is influenced by palmitoylation and distinct RhoB/RhoD endosome requirements. *Journal of Cell Science*, **2007**, 120, 2555-64	5.3	82
30	Mammary epithelial-specific disruption of the focal adhesion kinase blocks mammary tumor progression. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20302-7	11.5	170
29	Chemoresistant KM12C colon cancer cells are addicted to low cyclic AMP levels in a phosphodiesterase 4-regulated compartment via effects on phosphoinositide 3-kinase. *Cancer Research*, **2007**, 67, 5248-57	10.1	58
28	Src-dependent phosphorylation of Scar1 promotes its association with the Arp2/3 complex. *Cytoskeleton*, **2006**, 63, 6-13		30
27	Identification of potential biomarkers for measuring inhibition of Src kinase activity in colon cancer cells following treatment with dasatinib. *Molecular Cancer Therapeutics*, **2006**, 5, 3014-22	6.1	102
26	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. *Molecular and Cellular Biology*, **2006**, 26, 1480-95	4.8	36
25	N-cadherin differentially determines Schwann cell and olfactory ensheathing cell adhesion and migration responses upon contact with astrocytes. *Molecular and Cellular Neurosciences*, **2005**, 28, 253-63	4.8	77
24	The role of focal-adhesion kinase in cancer - a new therapeutic opportunity. *Nature Reviews Cancer*, **2005**, 5, 505-15	31.3	806

23	Src and FAK signalling controls adhesion fate and the epithelial-to-mesenchymal transition. *Current Opinion in Cell Biology*, **2005**, 17, 542-7	9	232
22	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. *Cancer Research*, **2005**, 65, 1335-42	10.1	179
21	The SRC-induced mesenchymal state in late-stage colon cancer cells. *Cells Tissues Organs*, **2005**, 179, 73-80	2.1	38
20	Recruitment of phosphoinositide 3-kinase defines a positive contribution of tyrosine kinase signaling to E-cadherin function. *Journal of Biological Chemistry*, **2005**, 280, 3043-50	5.4	47
19	Newest findings on the oldest oncogene; how activated src does it. *Journal of Cell Science*, **2004**, 117, 989-98	5.3	320
18	Specific deletion of focal adhesion kinase suppresses tumor formation and blocks malignant progression. *Genes and Development*, **2004**, 18, 2998-3003	12.6	174
17	Src SH3/2 domain-mediated peripheral accumulation of Src and phospho-myosin is linked to deregulation of E-cadherin and the epithelial-mesenchymal transition. *Molecular Biology of the Cell*, **2004**, 15, 2794-803	3.5	97
16	Focal adhesion and actin dynamics: a place where kinases and proteases meet to promote invasion. *Trends in Cell Biology*, **2004**, 14, 241-9	18.3	290
15	RhoB and actin polymerization coordinate Src activation with endosome-mediated delivery to the membrane. *Developmental Cell*, **2004**, 7, 855-69	10.2	217
14	A novel role for FAK as a protease-targeting adaptor protein: regulation by p42 ERK and Src. *Current Biology*, **2003**, 13, 1442-50	6.3	167
13	Focal adhesion kinase as a potential target in oncology. *Expert Opinion on Pharmacotherapy*, **2003**, 4, 227-34	4	47
12	Src in cancer: deregulation and consequences for cell behaviour. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2002**, 1602, 114-30	11.2	296
11	Src-induced de-regulation of E-cadherin in colon cancer cells requires integrin signalling. *Nature Cell Biology*, **2002**, 4, 632-8	23.4	320
10	v-Src's hold over actin and cell adhesions. *Nature Reviews Molecular Cell Biology*, **2002**, 3, 233-45	48.7	270
9	Advances in Rho-dependent actin regulation and oncogenic transformation. *Current Opinion in Genetics and Development*, **2002**, 12, 36-43	4.9	80
8	Coordination of cell polarization and migration by the Rho family GTPases requires Src tyrosine kinase activity. *Current Biology*, **2001**, 11, 1836-46	6.3	156
7	Cleavage of focal adhesion kinase by different proteases during SRC-regulated transformation and apoptosis. Distinct roles for calpain and caspases. *Journal of Biological Chemistry*, **2001**, 276, 4270-5	5.4	113
6	The catalytic activity of the Src family kinases is required to disrupt cadherin-dependent cell-cell contacts. *Molecular Biology of the Cell*, **2000**, 11, 51-64	3.5	141

5	The SH3 domain directs acto-myosin-dependent targeting of v-Src to focal adhesions via phosphatidylinositol 3-kinase. *Molecular and Cellular Biology*, **2000**, 20, 6518-36	4.8	93
4	E-cadherin at the cell periphery is a determinant of keratinocyte differentiation in vitro. *Biochemical and Biophysical Research Communications*, **2000**, 269, 369-76	3.4	21
3	Increased dosage and amplification of the focal adhesion kinase gene in human cancer cells. *Oncogene*, **1999**, 18, 5646-53	9.2	188
2	Integrative analysis of multi-platform reverse-phase protein array data for the pharmacodynamic assessment of response to targeted therapies		1
1	A Synergistic Anti-Cancer FAK and HDAC Inhibitor Combination Discovered by a Novel Chemical-Genetic High-Content Phenotypic Screen		2