

Joseph Schlessinger

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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.

202
papers

45,946
citations

95
h-index

214
g-index

214
ext. papers

49,191
ext. citations

19.4
avg, IF

7.66
L-index

#	Paper	IF	Citations
202	Signal transduction by receptors with tyrosine kinase activity. <i>Cell</i> , 1990 , 61, 203-12	56.2	5064
201	Cell signaling by receptor tyrosine kinases. <i>Cell</i> , 2000 , 103, 211-25	56.2	3429
200	Cell signaling by receptor tyrosine kinases. <i>Cell</i> , 2010 , 141, 1117-34	56.2	2994
199	Cellular signaling by fibroblast growth factor receptors. <i>Cytokine and Growth Factor Reviews</i> , 2005 , 16, 139-49	17.9	1447
198	Clinical efficacy of a RAF inhibitor needs broad target blockade in BRAF-mutant melanoma. <i>Nature</i> , 2010 , 467, 596-9	50.4	1379
197	Amplification, enhanced expression and possible rearrangement of EGF receptor gene in primary human brain tumours of glial origin. <i>Nature</i> , 1985 , 313, 144-7	50.4	1367
196	Discovery of a selective inhibitor of oncogenic B-Raf kinase with potent antimelanoma activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3041-6	11.5	1056
195	Structures of the tyrosine kinase domain of fibroblast growth factor receptor in complex with inhibitors. <i>Science</i> , 1997 , 276, 955-60	33.3	971
194	Crystal structure of a ternary FGF-FGFR-heparin complex reveals a dual role for heparin in FGFR binding and dimerization. <i>Molecular Cell</i> , 2000 , 6, 743-50	17.6	919
193	A role for Pyk2 and Src in linking G-protein-coupled receptors with MAP kinase activation. <i>Nature</i> , 1996 , 383, 547-50	50.4	913
192	Exome sequencing identifies recurrent somatic RAC1 mutations in melanoma. <i>Nature Genetics</i> , 2012 , 44, 1006-14	36.3	887
191	Catalytic specificity of protein-tyrosine kinases is critical for selective signalling. <i>Nature</i> , 1995 , 373, 536-9	50.4	876
190	Ligand-induced, receptor-mediated dimerization and activation of EGF receptor. <i>Cell</i> , 2002 , 110, 669-72	56.2	792
189	Overexpression of the human EGF receptor confers an EGF-dependent transformed phenotype to NIH 3T3 cells. <i>Cell</i> , 1987 , 51, 1063-70	56.2	602
188	Structure of the high affinity complex of inositol trisphosphate with a phospholipase C pleckstrin homology domain. <i>Cell</i> , 1995 , 83, 1037-46	56.2	557
187	PDGF stimulation of inositol phospholipid hydrolysis requires PLC-gamma 1 phosphorylation on tyrosine residues 783 and 1254. <i>Cell</i> , 1991 , 65, 435-41	56.2	534
186	Grb2 mediates the EGF-dependent activation of guanine nucleotide exchange on Ras. <i>Nature</i> , 1993 , 363, 88-92	50.4	532

185	Structural basis for FGF receptor dimerization and activation. <i>Cell</i> , 1999 , 98, 641-50	56.2	505
184	PH domains: diverse sequences with a common fold recruit signaling molecules to the cell surface. <i>Cell</i> , 1996 , 85, 621-4	56.2	459
183	Membrane targeting of the nucleotide exchange factor Sos is sufficient for activating the Ras signaling pathway. <i>Cell</i> , 1994 , 78, 949-61	56.2	443
182	Regulation of growth factor activation by proteoglycans: what is the role of the low affinity receptors?. <i>Cell</i> , 1995 , 83, 357-60	56.2	442
181	Absence of marginal zone B cells in Pyk-2-deficient mice defines their role in the humoral response. <i>Nature Immunology</i> , 2000 , 1, 31-6	19.1	438
180	Regulation of signal transduction and signal diversity by receptor oligomerization. <i>Trends in Biochemical Sciences</i> , 1994 , 19, 459-63	10.3	397
179	Spatial control of EGF receptor activation by reversible dimerization on living cells. <i>Nature</i> , 2010 , 464, 783-7	50.4	396
178	SH2/SH3 signaling proteins. <i>Current Opinion in Genetics and Development</i> , 1994 , 4, 25-30	4.9	392
177	The carbonic anhydrase domain of receptor tyrosine phosphatase beta is a functional ligand for the axonal cell recognition molecule contactin. <i>Cell</i> , 1995 , 82, 251-60	56.2	376
176	Switching signals on or off by receptor dimerization. <i>Cell</i> , 1998 , 94, 277-80	56.2	367
175	Signal transduction due to HIV-1 envelope interactions with chemokine receptors CXCR4 or CCR5. <i>Journal of Experimental Medicine</i> , 1997 , 186, 1793-8	16.6	361
174	Signal transduction by allosteric receptor oligomerization. <i>Trends in Biochemical Sciences</i> , 1988 , 13, 443-7	10.3	360
173	Collection of insulin, EGF and alpha2-macroglobulin in the same patches on the surface of cultured fibroblasts and common internalization. <i>Cell</i> , 1978 , 14, 805-10	56.2	356
172	Structure of the FGF receptor tyrosine kinase domain reveals a novel autoinhibitory mechanism. <i>Cell</i> , 1996 , 86, 577-87	56.2	347
171	Common and distinct elements in cellular signaling via EGF and FGF receptors. <i>Science</i> , 2004 , 306, 1506-7	33.3	344
170	How receptor tyrosine kinases activate Ras. <i>Trends in Biochemical Sciences</i> , 1993 , 18, 273-5	10.3	344
169	Interferon-induced nuclear signalling by Jak protein tyrosine kinases. <i>Nature</i> , 1993 , 366, 583-5	50.4	332
168	Structure of a heparin-linked biologically active dimer of fibroblast growth factor. <i>Nature</i> , 1998 , 393, 812-7	50.4	331

167	Crystal structures of two FGF-FGFR complexes reveal the determinants of ligand-receptor specificity. <i>Cell</i> , 2000 , 101, 413-24	56.2	329
166	Structural basis for the activity of drugs that inhibit phosphodiesterases. <i>Structure</i> , 2004 , 12, 2233-47	5.2	307
165	Impaired HLA Class I Antigen Processing and Presentation as a Mechanism of Acquired Resistance to Immune Checkpoint Inhibitors in Lung Cancer. <i>Cancer Discovery</i> , 2017 , 7, 1420-1435	24.4	302
164	A novel positive feedback loop mediated by the docking protein Gab1 and phosphatidylinositol 3-kinase in epidermal growth factor receptor signaling. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1448-59 ^{4.8}	4.8	301
163	Exome sequencing identifies recurrent mutations in NF1 and RASopathy genes in sun-exposed melanomas. <i>Nature Genetics</i> , 2015 , 47, 996-1002	36.3	261
162	The EGF receptor provides an essential survival signal for SOS-dependent skin tumor development. <i>Cell</i> , 2000 , 102, 211-20	56.2	261
161	Ligand-mediated negative regulation of a chimeric transmembrane receptor tyrosine phosphatase. <i>Cell</i> , 1993 , 73, 541-54	56.2	260
160	Local aggregation of hormone-receptor complexes is required for activation by epidermal growth factor. <i>Nature</i> , 1979 , 278, 835-8	50.4	255
159	Structural basis for activation of the receptor tyrosine kinase KIT by stem cell factor. <i>Cell</i> , 2007 , 130, 323-34	56.2	252
158	New roles for Src kinases in control of cell survival and angiogenesis. <i>Cell</i> , 2000 , 100, 293-6	56.2	248
157	The EGFR family: not so prototypical receptor tyrosine kinases. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6, a020768	10.2	246
156	A glutamine switch mechanism for nucleotide selectivity by phosphodiesterases. <i>Molecular Cell</i> , 2004 , 15, 279-86	17.6	240
155	Identification of the binding site for acidic phospholipids on the pH domain of dynamin: implications for stimulation of GTPase activity. <i>Journal of Molecular Biology</i> , 1996 , 255, 14-21	6.5	231
154	Autoregulatory mechanisms in protein-tyrosine kinases. <i>Journal of Biological Chemistry</i> , 1998 , 273, 11987-90	5.4	228
153	Crystal structures of peptide complexes of the amino-terminal SH2 domain of the Syp tyrosine phosphatase. <i>Structure</i> , 1994 , 2, 423-38	5.2	222
152	Landscape of somatic single-nucleotide and copy-number mutations in uterine serous carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2916-21	11.5	221
151	A putative molecular-activation switch in the transmembrane domain of erbB2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 15937-40	11.5	220
150	Epidermal growth factor receptor dimerization and activation require ligand-induced conformational changes in the dimer interface. <i>Molecular and Cellular Biology</i> , 2005 , 25, 7734-42	4.8	216

149	PC12 cells overexpressing the insulin receptor undergo insulin-dependent neuronal differentiation. <i>Current Biology</i> , 1994 , 4, 702-8	6.3	202
148	A family of phosphodiesterase inhibitors discovered by cocrystallography and scaffold-based drug design. <i>Nature Biotechnology</i> , 2005 , 23, 201-7	44.5	200
147	Regulation of cell proliferation by epidermal growth factor. <i>Critical Reviews in Biochemistry</i> , 1983 , 14, 93-111		198
146	The Drosophila EGF receptor gene homolog: conservation of both hormone binding and kinase domains. <i>Cell</i> , 1985 , 40, 599-607	56.2	197
145	Scanning electron microscopy of cells and tissues under fully hydrated conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 3346-51	11.5	196
144	Defective microtubule-dependent podosome organization in osteoclasts leads to increased bone density in Pyk2(-/-) mice. <i>Journal of Cell Biology</i> , 2007 , 178, 1053-64	7.3	194
143	Mobility of microinjected rhodamine actin within living chicken gizzard cells determined by fluorescence photobleaching recovery. <i>Cell</i> , 1982 , 29, 835-45	56.2	192
142	SH2 and PTB domains in tyrosine kinase signaling. <i>Science Signaling</i> , 2003 , 2003, RE12	8.8	189
141	Receptor tyrosine kinases: legacy of the first two decades. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6,	10.2	186
140	Autophosphorylation of FGFR1 kinase is mediated by a sequential and precisely ordered reaction. <i>Molecular Cell</i> , 2006 , 21, 711-7	17.6	179
139	Tyrosine phosphorylation of the c-cbl proto-oncogene protein product and association with epidermal growth factor (EGF) receptor upon EGF stimulation. <i>Journal of Biological Chemistry</i> , 1995 , 270, 20242-5	5.4	168
138	Src and Pyk2 mediate G-protein-coupled receptor activation of epidermal growth factor receptor (EGFR) but are not required for coupling to the mitogen-activated protein (MAP) kinase signaling cascade. <i>Journal of Biological Chemistry</i> , 2001 , 276, 20130-5	5.4	165
137	Induction of neurite outgrowth through contactin and Nr-CAM by extracellular regions of glial receptor tyrosine phosphatase beta. <i>Journal of Cell Biology</i> , 1997 , 136, 907-18	7.3	162
136	Differential TAM receptor-ligand-phospholipid interactions delimit differential TAM bioactivities. <i>ELife</i> , 2014 , 3,	8.9	155
135	Phosphatidylinositol 3-kinase p85 SH2 domain specificity defined by direct phosphopeptide/SH2 domain binding. <i>Biochemistry</i> , 1993 , 32, 3197-202	3.2	154
134	Tyrosine phosphorylation of Pyk2 is selectively regulated by Fyn during TCR signaling. <i>Journal of Experimental Medicine</i> , 1997 , 185, 1253-9	16.6	153
133	A chimaeric receptor allows insulin to stimulate tyrosine kinase activity of epidermal growth factor receptor. <i>Nature</i> , 1986 , 324, 68-70	50.4	153
132	Insights into the molecular basis for fibroblast growth factor receptor autoinhibition and ligand-binding promiscuity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 935-40	11.5	152

131	FRS2 alpha attenuates FGF receptor signaling by Grb2-mediated recruitment of the ubiquitin ligase Cbl. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 6684-9	11.5	147
130	Mutations in different components of FGF signaling in LADD syndrome. <i>Nature Genetics</i> , 2006 , 38, 414-7	36.3	144
129	The docking protein Gab1 is the primary mediator of EGF-stimulated activation of the PI-3K/Akt cell survival pathway. <i>BMC Biology</i> , 2004 , 2, 24	7.3	138
128	Lateral motion and valence of Fc receptors on rat peritoneal mast cells. <i>Nature</i> , 1976 , 264, 550-2	50.4	137
127	Anti-epidermal growth factor receptor antibodies inhibit the autocrine-stimulated growth of MDA-468 human breast cancer cells. <i>Molecular Endocrinology</i> , 1989 , 3, 1830-8		133
126	The docking protein FRS2alpha controls a MAP kinase-mediated negative feedback mechanism for signaling by FGF receptors. <i>Molecular Cell</i> , 2002 , 10, 709-19	17.6	128
125	Identification of a novel family of targets of PYK2 related to Drosophila retinal degeneration B (rdgB) protein. <i>Molecular and Cellular Biology</i> , 1999 , 19, 2278-88	4.8	125
124	Protein tyrosine kinase Pyk2 mediates the Jak-dependent activation of MAPK and Stat1 in IFN-gamma, but not IFN-alpha, signaling. <i>EMBO Journal</i> , 1999 , 18, 2480-8	13	124
123	Mutational landscape of uterine and ovarian carcinosarcomas implicates histone genes in epithelial-mesenchymal transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 12238-12243	11.5	123
122	The selectivity of receptor tyrosine kinase signaling is controlled by a secondary SH2 domain binding site. <i>Cell</i> , 2009 , 138, 514-24	56.2	121
121	Suppression of EGFR endocytosis by dynamin depletion reveals that EGFR signaling occurs primarily at the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4419-24	11.5	119
120	Structures of Eklortho reveal a Zip code-like mechanism for endocrine FGF signalling. <i>Nature</i> , 2018 , 553, 501-505	50.4	118
119	A critical role for the protein tyrosine phosphatase receptor type Z in functional recovery from demyelinating lesions. <i>Nature Genetics</i> , 2002 , 32, 411-4	36.3	116
118	Identification of a new Pyk2 isoform implicated in chemokine and antigen receptor signaling. <i>Journal of Biological Chemistry</i> , 1998 , 273, 14301-8	5.4	116
117	The mechanism and role of hormone-induced clustering of membrane receptors. <i>Trends in Biochemical Sciences</i> , 1980 , 5, 210-214	10.3	116
116	Cell-contact-dependent signalling in axon growth and guidance: Eph receptor tyrosine kinases and receptor protein tyrosine phosphatase beta. <i>Current Opinion in Neurobiology</i> , 1998 , 8, 117-27	7.6	113
115	RAC1P29S is a spontaneously activating cancer-associated GTPase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 912-7	11.5	112
114	Whole-exome sequencing characterizes the landscape of somatic mutations and copy number alterations in adrenocortical carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, E493-502	5.6	110

113	Regression of Chemotherapy-Resistant Polymerase β (POLE) Ultra-Mutated and MSH6 Hyper-Mutated Endometrial Tumors with Nivolumab. <i>Clinical Cancer Research</i> , 2016 , 22, 5682-5687	12.9	109
112	Shc binding to nerve growth factor receptor is mediated by the phosphotyrosine interaction domain. <i>Journal of Biological Chemistry</i> , 1995 , 270, 15125-9	5.4	106
111	The precise sequence of FGF receptor autophosphorylation is kinetically driven and is disrupted by oncogenic mutations. <i>Science Signaling</i> , 2009 , 2, ra6	8.8	103
110	A structure-based model for ligand binding and dimerization of EGF receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 929-34	11.5	98
109	Onset of endogenous synthesis of epidermal growth factor in neonatal mice. <i>Developmental Biology</i> , 1987 , 119, 38-44	3.1	96
108	Early and multiple origins of metastatic lineages within primary tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2140-5	11.5	95
107	Signal transduction. Autoinhibition control. <i>Science</i> , 2003 , 300, 750-2	33.3	94
106	Augmentor and FAM150 are ligands of the receptor tyrosine kinases ALK and LTK: Hierarchy and specificity of ligand-receptor interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15862-7	11.5	93
105	Multi-ligand interactions with receptor-like protein tyrosine phosphatase beta: implications for intercellular signaling. <i>Trends in Biochemical Sciences</i> , 1998 , 23, 121-4	10.3	88
104	Structure of the N-terminal SH3 domain of GRB2 complexed with a peptide from the guanine nucleotide releasing factor Sos. <i>Nature Structural and Molecular Biology</i> , 1994 , 1, 891-7	17.6	88
103	The expression of a novel receptor-type tyrosine phosphatase suggests a role in morphogenesis and plasticity of the nervous system. <i>Developmental Brain Research</i> , 1993 , 75, 293-8		87
102	The tethered configuration of the EGF receptor extracellular domain exerts only a limited control of receptor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 923-8	11.5	86
101	Trans-activation of EphA4 and FGF receptors mediated by direct interactions between their cytoplasmic domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 18866-71	11.5	84
100	Molecular basis of negative co-operativity in rabbit muscle glyceraldehyde-3-phosphate dehydrogenase. <i>Journal of Molecular Biology</i> , 1974 , 82, 547-61	6.5	83
99	Asymmetric tyrosine kinase arrangements in activation or autophosphorylation of receptor tyrosine kinases. <i>Molecules and Cells</i> , 2010 , 29, 443-8	3.5	82
98	Kit receptor dimerization is driven by bivalent binding of stem cell factor. <i>Journal of Biological Chemistry</i> , 1997 , 272, 6311-7	5.4	82
97	Reduced activation of RAF-1 and MAP kinase by a fibroblast growth factor receptor mutant deficient in stimulation of phosphatidylinositol hydrolysis. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5065-72	5.4	82
96	The biochemical response of the heart to hypertension and exercise. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 609-17	10.3	81

95	Data publication with the structural biology data grid supports live analysis. <i>Nature Communications</i> , 2016 , 7, 10882	17.4	78
94	On the nature of low- and high-affinity EGF receptors on living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 5735-40	11.5	78
93	Direct binding and activation of receptor tyrosine kinases by collagen. <i>Cell</i> , 1997 , 91, 869-72	56.2	77
92	Activation of the nonreceptor protein tyrosine kinase Ack by multiple extracellular stimuli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9796-801	11.5	77
91	Nuclear signaling by receptor tyrosine kinases: the first robin of spring. <i>Cell</i> , 2006 , 127, 45-8	56.2	77
90	Direct contacts between extracellular membrane-proximal domains are required for VEGF receptor activation and cell signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1906-11	11.5	76
89	FGF1 and FGF19 reverse diabetes by suppression of the hypothalamic-pituitary-adrenal axis. <i>Nature Communications</i> , 2015 , 6, 6980	17.4	74
88	The Dark Side of Cell Signaling: Positive Roles for Negative Regulators. <i>Cell</i> , 2016 , 164, 1172-1184	56.2	72
87	Solution structure and ligand-binding site of the carboxy-terminal SH3 domain of GRB2. <i>Structure</i> , 1994 , 2, 1029-40	5.2	71
86	The docking protein Gab1 is an essential component of an indirect mechanism for fibroblast growth factor stimulation of the phosphatidylinositol 3-kinase/Akt antiapoptotic pathway. <i>Molecular and Cellular Biology</i> , 2004 , 24, 5657-66	4.8	66
85	Tuning of type I interferon-induced Jak-STAT1 signaling by calcium-dependent kinases in macrophages. <i>Nature Immunology</i> , 2008 , 9, 186-93	19.1	64
84	Heparin is an activating ligand of the orphan receptor tyrosine kinase ALK. <i>Science Signaling</i> , 2015 , 8, ra6	8.8	63
83	Contacts between membrane proximal regions of the PDGF receptor ectodomain are required for receptor activation but not for receptor dimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 7681-6	11.5	63
82	Disulfide bond structure of human epidermal growth factor receptor. <i>Journal of Biological Chemistry</i> , 1998 , 273, 11150-7	5.4	62
81	Insulin and antibodies against insulin receptor cap on the membrane of cultured human lymphocytes. <i>Nature</i> , 1980 , 286, 729-31	50.4	62
80	FRS2 family docking proteins with overlapping roles in activation of MAP kinase have distinct spatial-temporal patterns of expression of their transcripts. <i>FEBS Letters</i> , 2004 , 564, 14-8	3.8	60
79	Stoichiometry, kinetic and binding analysis of the interaction between epidermal growth factor (EGF) and the extracellular domain of the EGF receptor. <i>Growth Factors</i> , 2000 , 18, 11-29	1.6	59
78	A non-mitogenic analogue of epidermal growth factor enhances the phosphorylation of endogenous membrane proteins. <i>Biochemical and Biophysical Research Communications</i> , 1981 , 101, 517-23	3.4	59

77	Asymmetric receptor contact is required for tyrosine autophosphorylation of fibroblast growth factor receptor in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2866-71	11.5	58
76	Solution structure of the SH2 domain of Grb2 complexed with the Shc-derived phosphotyrosine-containing peptide. <i>Journal of Molecular Biology</i> , 1999 , 289, 439-45	6.5	57
75	Type II p21-activated kinases (PAKs) are regulated by an autoinhibitory pseudosubstrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16107-12	11.5	55
74	Solution structure of Grb2 reveals extensive flexibility necessary for target recognition. <i>Journal of Molecular Biology</i> , 2001 , 306, 527-37	6.5	52
73	Discovery of novel fibroblast growth factor receptor 1 kinase inhibitors by structure-based virtual screening. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 1662-72	8.3	50
72	Skeletal overgrowth is mediated by deficiency in a specific isoform of fibroblast growth factor receptor 3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 3937-42	11.5	50
71	Lacrimo-auriculo-dento-digital syndrome is caused by reduced activity of the fibroblast growth factor 10 (FGF10)-FGF receptor 2 signaling pathway. <i>Molecular and Cellular Biology</i> , 2007 , 27, 6903-12	4.8	49
70	Alk and Ltk ligands are essential for iridophore development in zebrafish mediated by the receptor tyrosine kinase Ltk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12027-12032	11.5	47
69	Pyk2 is required for neutrophil degranulation and host defense responses to bacterial infection. <i>Journal of Immunology</i> , 2011 , 186, 1656-65	5.3	47
68	Ligand-binding enhances the affinity of dimerization of the extracellular domain of the epidermal growth factor receptor. <i>Journal of Biochemistry</i> , 1997 , 122, 116-21	3.1	47
67	Variations of proline-rich kinase Pyk2 expression correlate with prostate cancer progression. <i>Laboratory Investigation</i> , 2001 , 81, 51-9	5.9	44
66	An FGF4-FRS2alpha-Cdx2 axis in trophoblast stem cells induces Bmp4 to regulate proper growth of early mouse embryos. <i>Stem Cells</i> , 2010 , 28, 113-21	5.8	41
65	Structural diversity and binding of FGF receptors. <i>Annals of the New York Academy of Sciences</i> , 1991 , 638, 161-6	6.5	39
64	Receptor protein tyrosine phosphatase gamma is a marker for pyramidal cells and sensory neurons in the nervous system and is not necessary for normal development. <i>Molecular and Cellular Biology</i> , 2006 , 26, 5106-19	4.8	38
63	Close similarity between Drosophila neurexin IV and mammalian Caspr protein suggests a conserved mechanism for cellular interactions. <i>Cell</i> , 1997 , 88, 745-6	56.2	36
62	Crystal structures of free and ligand-bound focal adhesion targeting domain of Pyk2. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 383, 347-52	3.4	35
61	Loss of TRIM33 causes resistance to BET bromodomain inhibitors through MYC- and TGF- β -dependent mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4558-66	11.5	35
60	Monoclonal antibodies associated with sodium channel block nerve impulse and stain nodes of Ranvier. <i>Brain Research</i> , 1984 , 310, 168-73	3.7	34

59	Proline-rich tyrosine kinase-2 is critical for CD8 T-cell short-lived effector fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 16234-9	11.5	33
58	Structural basis for reduced FGFR2 activity in LADD syndrome: Implications for FGFR autoinhibition and activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 19802-7	11.5	31
57	Subcellular distribution of the external and internal domains of the EGF receptor in A-431 cells. <i>Experimental Cell Research</i> , 1986 , 166, 312-26	4.2	31
56	FGFR3-targeted mAb therapy for bladder cancer and multiple myeloma. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1077-9	15.9	29
55	Inhibition of ErbB3 by a monoclonal antibody that locks the extracellular domain in an inactive configuration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13225-30	11.5	28
54	Thermodynamic studies of SHC phosphotyrosine interaction domain recognition of the NPXpY motif. <i>Journal of Biological Chemistry</i> , 1996 , 271, 4770-5	5.4	28
53	Mutational landscape of primary, metastatic, and recurrent ovarian cancer reveals c-MYC gains as potential target for BET inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 619-624	11.5	28
52	Whole-exome sequencing of cervical carcinomas identifies activating ERBB2 and PIK3CA mutations as targets for combination therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22730-22736	11.5	26
51	Structure, domain organization, and different conformational states of stem cell factor-induced intact KIT dimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1772-7	11.5	26
50	FRS2 β regulates Erk levels to control a self-renewal target Hes1 and proliferation of FGF-responsive neural stem/progenitor cells. <i>Stem Cells</i> , 2010 , 28, 1661-73	5.8	24
49	The proto-oncogene c-Cbl is a negative regulator of DNA synthesis initiated by both receptor and cytoplasmic tyrosine kinases. <i>Oncogene</i> , 1999 , 18, 2908-12	9.2	24
48	Characterization of the submicroscopic deletion in the small-cell lung carcinoma (SCLC) cell line U2020. <i>Genes Chromosomes and Cancer</i> , 1992 , 5, 67-74	5	23
47	Identification and Characterization of JAK2 Pseudokinase Domain Small Molecule Binders. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 618-621	4.3	22
46	Evidence for SH3 domain directed binding and phosphorylation of Sam68 by Src. <i>Oncogene</i> , 1999 , 18, 4647-53	9.2	22
45	Structural basis for KIT receptor tyrosine kinase inhibition by antibodies targeting the D4 membrane-proximal region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17832-7	11.5	21
44	The strength and cooperativity of KIT ectodomain contacts determine normal ligand-dependent stimulation or oncogenic activation in cancer. <i>Molecular Cell</i> , 2015 , 57, 191-201	17.6	20
43	Vav: a potential link between tyrosine kinases and ras-like GTPases in hematopoietic cell signaling. <i>BioEssays</i> , 1993 , 15, 179-83	4.1	20
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