

# Moosa Mohammadi

## 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.

139 papers	23,905 citations	72 h-index	154 g-index
179 ext. papers	26,110 ext. citations	11.5 avg, IF	6.59 L-index

#	Paper	IF	Citations
139	The FGF family: biology, pathophysiology and therapy. <i>Nature Reviews Drug Discovery</i> , <b>2009</b> , 8, 235-53	64.1	1255
138	Endocrine regulation of the fasting response by PPARalpha-mediated induction of fibroblast growth factor 21. <i>Cell Metabolism</i> , <b>2007</b> , 5, 415-25	24.6	1103
137	Structures of the tyrosine kinase domain of fibroblast growth factor receptor in complex with inhibitors. <i>Science</i> , <b>1997</b> , 276, 955-60	33.3	971
136	Crystal structure of a ternary FGF-FGFR-heparin complex reveals a dual role for heparin in FGFR binding and dimerization. <i>Molecular Cell</i> , <b>2000</b> , 6, 743-50	17.6	919
135	Catalytic specificity of protein-tyrosine kinases is critical for selective signalling. <i>Nature</i> , <b>1995</b> , 373, 536-9	50.4	876
134	Receptor specificity of the fibroblast growth factor family. The complete mammalian FGF family. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 15694-700	5.4	826
133	The parathyroid is a target organ for FGF23 in rats. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 4003-8	15.9	678
132	Cloning of PI3 kinase-associated p85 utilizing a novel method for expression/cloning of target proteins for receptor tyrosine kinases. <i>Cell</i> , <b>1991</b> , 65, 83-90	56.2	627
131	The function of GRB2 in linking the insulin receptor to Ras signaling pathways. <i>Science</i> , <b>1993</b> , 260, 1953-5	53.3	562
130	Structural basis for fibroblast growth factor receptor activation. <i>Cytokine and Growth Factor Reviews</i> , <b>2005</b> , 16, 107-37	17.9	557
129	Tissue-specific expression of betaKlotho and fibroblast growth factor (FGF) receptor isoforms determines metabolic activity of FGF19 and FGF21. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 26687-26695	5.4	542
128	Structural basis for FGF receptor dimerization and activation. <i>Cell</i> , <b>1999</b> , 98, 641-50	56.2	505
127	FGF21 induces PGC-1alpha and regulates carbohydrate and fatty acid metabolism during the adaptive starvation response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 10853-8	11.5	503
126	Research resource: Comprehensive expression atlas of the fibroblast growth factor system in adult mouse. <i>Molecular Endocrinology</i> , <b>2010</b> , 24, 2050-64		470
125	BetaKlotho is required for metabolic activity of fibroblast growth factor 21. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 7432-7	11.5	428
124	Point mutation in FGF receptor eliminates phosphatidylinositol hydrolysis without affecting mitogenesis. <i>Nature</i> , <b>1992</b> , 358, 681-4	50.4	411
123	Molecular insights into the klotho-dependent, endocrine mode of action of fibroblast growth factor 19 subfamily members. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 3417-28	4.8	397

122	Crystal structure of an angiogenesis inhibitor bound to the FGF receptor tyrosine kinase domain. <i>EMBO Journal</i> , <b>1998</b> , 17, 5896-904	13	396
121	Exploring mechanisms of FGF signalling through the lens of structural biology. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 166-80	48.7	367
120	Circulating FGF21 is liver derived and enhances glucose uptake during refeeding and overfeeding. <i>Diabetes</i> , <b>2014</b> , 63, 4057-63	0.9	349
119	Structure of the FGF receptor tyrosine kinase domain reveals a novel autoinhibitory mechanism. <i>Cell</i> , <b>1996</b> , 86, 577-87	56.2	347
118	A homozygous missense mutation in human KLOTHO causes severe tumoral calcinosis. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 2684-91	15.9	335
117	Identification of six novel autophosphorylation sites on fibroblast growth factor receptor 1 and elucidation of their importance in receptor activation and signal transduction. <i>Molecular and Cellular Biology</i> , <b>1996</b> , 16, 977-89	4.8	334
116	Crystal structures of two FGF-FGFR complexes reveal the determinants of ligand-receptor specificity. <i>Cell</i> , <b>2000</b> , 101, 413-24	56.2	329
115	SU6668 is a potent antiangiogenic and antitumor agent that induces regression of established tumors. <i>Cancer Research</i> , <b>2000</b> , 60, 4152-60	10.1	328
114	Inhibition of growth hormone signaling by the fasting-induced hormone FGF21. <i>Cell Metabolism</i> , <b>2008</b> , 8, 77-83	24.6	316
113	FGF23 decreases renal NaPi-2a and NaPi-2c expression and induces hypophosphatemia in vivo predominantly via FGF receptor 1. <i>American Journal of Physiology - Renal Physiology</i> , <b>2009</b> , 297, F282-91	4.3	313
112	Decreased FGF8 signaling causes deficiency of gonadotropin-releasing hormone in humans and mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2822-31	15.9	298
111	Fibroblast growth factor 21 promotes bone loss by potentiating the effects of peroxisome proliferator-activated receptor $\gamma$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 3143-8	11.5	291
110	Digenic mutations account for variable phenotypes in idiopathic hypogonadotropic hypogonadism. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 457-63	15.9	289
109	Isolated C-terminal tail of FGF23 alleviates hypophosphatemia by inhibiting FGF23-FGFR-Klotho complex formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 407-12	11.5	277
108	Frequent activating FGFR2 mutations in endometrial carcinomas parallel germline mutations associated with craniosynostosis and skeletal dysplasia syndromes. <i>Oncogene</i> , <b>2007</b> , 26, 7158-62	9.2	254
107	Klotho is a non-enzymatic molecular scaffold for FGF23 hormone signalling. <i>Nature</i> , <b>2018</b> , 553, 461-466	50.4	248
106	Autoregulatory mechanisms in protein-tyrosine kinases. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 11983-90	3.9	228
105	In vivo genetic evidence for klotho-dependent, fibroblast growth factor 23 (Fgf23) -mediated regulation of systemic phosphate homeostasis. <i>FASEB Journal</i> , <b>2009</b> , 23, 433-41	0.9	212

104	Impaired FGF signaling contributes to cleft lip and palate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4512-7	11.5	209
103	Mutations in fibroblast growth factor receptor 1 cause both Kallmann syndrome and normosmic idiopathic hypogonadotropic hypogonadism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 6281-6	11.5	190
102	Tyr phosphorylation of PDP1 toggles recruitment between ACAT1 and SIRT3 to regulate the pyruvate dehydrogenase complex. <i>Molecular Cell</i> , <b>2014</b> , 53, 534-48	17.6	184
101	Fibroblast growth factor (FGF) homologous factors share structural but not functional homology with FGFs. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 34226-36	5.4	183
100	A molecular brake in the kinase hinge region regulates the activity of receptor tyrosine kinases. <i>Molecular Cell</i> , <b>2007</b> , 27, 717-30	17.6	181
99	Mutations in FGF17, IL17RD, DUSP6, SPRY4, and FLRT3 are identified in individuals with congenital hypogonadotropic hypogonadism. <i>American Journal of Human Genetics</i> , <b>2013</b> , 92, 725-43	11	178
98	Analysis of the biochemical mechanisms for the endocrine actions of fibroblast growth factor-23. <i>Endocrinology</i> , <b>2005</b> , 146, 4647-56	4.8	178
97	Structural basis for fibroblast growth factor receptor 2 activation in Apert syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 7182-7	11.5	168
96	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> , <b>2004</b> , 101, 935-40	11.5	152
95	Molecular mechanisms of fibroblast growth factor signaling in physiology and pathology. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2013</b> , 5,	10.2	151
94	Endocrinization of FGF1 produces a neomorphic and potent insulin sensitizer. <i>Nature</i> , <b>2014</b> , 513, 436-9	50.4	150
93	Structural basis by which alternative splicing modulates the organizer activity of FGF8 in the brain. <i>Genes and Development</i> , <b>2006</b> , 20, 185-98	12.6	149
92	Mutations in fibroblast growth factor receptor 1 cause Kallmann syndrome with a wide spectrum of reproductive phenotypes. <i>Molecular and Cellular Endocrinology</i> , <b>2006</b> , 254-255, 60-9	4.4	144
91	Structural basis by which alternative splicing confers specificity in fibroblast growth factor receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 2266-71	11.5	141
90	FGF23 acts directly on renal proximal tubules to induce phosphaturia through activation of the ERK1/2-SGK1 signaling pathway. <i>Bone</i> , <b>2012</b> , 51, 621-8	4.7	140
89	Differential interactions of FGFs with heparan sulfate control gradient formation and branching morphogenesis. <i>Science Signaling</i> , <b>2009</b> , 2, ra55	8.8	134
88	Kinetic model for FGF, FGFR, and proteoglycan signal transduction complex assembly. <i>Biochemistry</i> , <b>2004</b> , 43, 4724-30	3.2	134
87	FGF23 promotes renal calcium reabsorption through the TRPV5 channel. <i>EMBO Journal</i> , <b>2014</b> , 33, 229-46	3	132

86	Development of covalent inhibitors that can overcome resistance to first-generation FGFR kinase inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E4869-77	11.5	125
85	Biochemical analysis of pathogenic ligand-dependent FGFR2 mutations suggests distinct pathophysiological mechanisms for craniofacial and limb abnormalities. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 2313-24	5.6	121
84	SH2 domains prevent tyrosine dephosphorylation of the EGF receptor: identification of Tyr992 as the high-affinity binding site for SH2 domains of phospholipase C gamma. <i>EMBO Journal</i> , <b>1992</b> , 11, 559-67	12	120
83	A protein canyon in the FGF-FGF receptor dimer selects from an $\alpha$ 1a carte menu of heparan sulfate motifs. <i>Current Opinion in Structural Biology</i> , <b>2005</b> , 15, 506-16	8.1	117
82	Parathyroid-specific deletion of Klotho unravels a novel calcineurin-dependent FGF23 signaling pathway that regulates PTH secretion. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003975	6	112
81	Genetic overlap in Kallmann syndrome, combined pituitary hormone deficiency, and septo-optic dysplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, E694-9	5.6	110
80	Arterial klotho expression and FGF23 effects on vascular calcification and function. <i>PLoS ONE</i> , <b>2013</b> , 8, e60658	3.7	105
79	Pregnane X receptor activation induces FGF19-dependent tumor aggressiveness in humans and mice. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 3220-32	15.9	102
78	Proline to arginine mutations in FGF receptors 1 and 3 result in Pfeiffer and Muenke craniosynostosis syndromes through enhancement of FGF binding affinity. <i>Human Molecular Genetics</i> , <b>2004</b> , 13, 69-78	5.6	101
77	Loss-of-function fibroblast growth factor receptor-2 mutations in melanoma. <i>Molecular Cancer Research</i> , <b>2009</b> , 7, 41-54	6.6	100
76	FGF-23-Klotho signaling stimulates proliferation and prevents vitamin D-induced apoptosis. <i>Journal of Cell Biology</i> , <b>2008</b> , 182, 459-65	7.3	99
75	The N550K/H mutations in FGFR2 confer differential resistance to PD173074, dovitinib, and ponatinib ATP-competitive inhibitors. <i>Neoplasia</i> , <b>2013</b> , 15, 975-88	6.4	98
74	The demonstration of Klotho deficiency in human chronic kidney disease with a novel synthetic antibody. <i>Nephrology Dialysis Transplantation</i> , <b>2015</b> , 30, 223-33	4.3	96
73	Crystal structure of a fibroblast growth factor homologous factor (FHF) defines a conserved surface on FHFs for binding and modulation of voltage-gated sodium channels. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 17883-96	5.4	93
72	Internalization of fibroblast growth factor receptor is inhibited by a point mutation at tyrosine 766. <i>Journal of Biological Chemistry</i> , <b>1994</b> , 269, 17056-61	5.4	88
71	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> , <b>1995</b> , 270, 5065-72	5.4	82
70	Regulation of serum 1,25(OH) <sub>2</sub> vitamin D <sub>3</sub> levels by fibroblast growth factor 23 is mediated by FGF receptors 3 and 4. <i>American Journal of Physiology - Renal Physiology</i> , <b>2011</b> , 301, F371-7	4.3	78
69	Fibroblast growth factor 1 ameliorates diabetic nephropathy by an anti-inflammatory mechanism. <i>Kidney International</i> , <b>2018</b> , 93, 95-109	9.9	72

68	Impaired fibroblast growth factor receptor 1 signaling as a cause of normosmic idiopathic hypogonadotropic hypogonadism. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 4380-90	5.6	72
67	Conversion of a paracrine fibroblast growth factor into an endocrine fibroblast growth factor. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 29134-46	5.4	68
66	Point mutation in the fibroblast growth factor receptor eliminates phosphatidylinositol hydrolysis without affecting neuronal differentiation of PC12 cells. <i>Journal of Biological Chemistry</i> , <b>1994</b> , 269, 14419-23	5.4	62
65	Nonsense mutations in FGF8 gene causing different degrees of human gonadotropin-releasing deficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 3491-6	5.6	61
64	Compositional analysis of heparin/heparan sulfate interacting with fibroblast growth factor.fibroblast growth factor receptor complexes. <i>Biochemistry</i> , <b>2009</b> , 48, 8379-86	3.2	61
63	A single amino acid substitution in the activation loop defines the decoy characteristic of VEGFR-1/FLT-1. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 867-75	5.4	61
62	Inhibition of fibroblast growth factor 23 (FGF23) signaling rescues renal anemia. <i>FASEB Journal</i> , <b>2018</b> , 32, 3752-3764	0.9	59
61	Identification of receptor and heparin binding sites in fibroblast growth factor 4 by structure-based mutagenesis. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 5946-57	4.8	59
60	Klotho coreceptors inhibit signaling by paracrine fibroblast growth factor 8 subfamily ligands. <i>Molecular and Cellular Biology</i> , <b>2012</b> , 32, 1944-54	4.8	58
59	The structural biology of the FGF19 subfamily. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 728, 1-24	3.6	55
58	Crystal structure of fibroblast growth factor 9 reveals regions implicated in dimerization and autoinhibition. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 4322-9	5.4	53
57	FGF21 mediates alcohol-induced adipose tissue lipolysis by activation of systemic release of catecholamine in mice. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1481-91	6.3	52
56	Analysis of mutations in fibroblast growth factor (FGF) and a pathogenic mutation in FGF receptor (FGFR) provides direct evidence for the symmetric two-end model for FGFR dimerization. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 671-84	4.8	52
55	Aggregation-induced activation of the epidermal growth factor receptor protein tyrosine kinase. <i>Biochemistry</i> , <b>1993</b> , 32, 8742-8	3.2	52
54	Grb2, a double-edged sword of receptor tyrosine kinase signaling. <i>Science Signaling</i> , <b>2012</b> , 5, pe49	8.8	51
53	The alternatively spliced acid box region plays a key role in FGF receptor autoinhibition. <i>Structure</i> , <b>2012</b> , 20, 77-88	5.2	50
52	Uncoupling the Mitogenic and Metabolic Functions of FGF1 by Tuning FGF1-FGF Receptor Dimer Stability. <i>Cell Reports</i> , <b>2017</b> , 20, 1717-1728	10.6	50
51	A crystallographic snapshot of tyrosine trans-phosphorylation in action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 19660-5	11.5	49



50	Understanding the molecular basis of Apert syndrome. <i>Plastic and Reconstructive Surgery</i> , <b>2005</b> , 115, 264-70	2.7	48
49	, encoding Ekloto, is mutated in patients with congenital hypogonadotropic hypogonadism. <i>EMBO Molecular Medicine</i> , <b>2017</b> , 9, 1379-1397	12	47
48	Congenital hypogonadotropic hypogonadism with split hand/foot malformation: a clinical entity with a high frequency of FGFR1 mutations. <i>Genetics in Medicine</i> , <b>2015</b> , 17, 651-9	8.1	46
47	Structural basis for activation of fibroblast growth factor signaling by sucrose octasulfate. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 7184-92	4.8	46
46	Identification of phosphopeptides by MALDI Q-TOF MS in positive and negative ion modes after methyl esterification. <i>Molecular and Cellular Proteomics</i> , <b>2005</b> , 4, 809-18	7.6	41
45	Fibroblast growth factor 21 deficiency exacerbates chronic alcohol-induced hepatic steatosis and injury. <i>Scientific Reports</i> , <b>2016</b> , 6, 31026	4.9	39
44	DFG-out mode of inhibition by an irreversible type-1 inhibitor capable of overcoming gate-keeper mutations in FGF receptors. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 299-309	4.9	36
43	FGF6 and FGF9 regulate UCP1 expression independent of brown adipogenesis. <i>Nature Communications</i> , <b>2020</b> , 11, 1421	17.4	36
42	Cracking the molecular origin of intrinsic tyrosine kinase activity through analysis of pathogenic gain-of-function mutations. <i>Cell Reports</i> , <b>2013</b> , 4, 376-84	10.6	34
41	A threshold model for receptor tyrosine kinase signaling specificity and cell fate determination. <i>F1000Research</i> , <b>2018</b> , 7,	3.6	34
40	Homodimerization controls the fibroblast growth factor 9 subfamily4 receptor binding and heparan sulfate-dependent diffusion in the extracellular matrix. <i>Molecular and Cellular Biology</i> , <b>2009</b> , 29, 4663-78	4.8	33
39	Two FGF Receptor Kinase Molecules Act in Concert to Recruit and Transphosphorylate Phospholipase C. <i>Molecular Cell</i> , <b>2016</b> , 61, 98-110	17.6	31
38	Ekloto deficiency protects against obesity through a crosstalk between liver, microbiota, and brown adipose tissue. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	31
37	Structural mimicry of a-loop tyrosine phosphorylation by a pathogenic FGF receptor 3 mutation. <i>Structure</i> , <b>2013</b> , 21, 1889-96	5.2	30
36	Plasticity in interactions of fibroblast growth factor 1 (FGF1) N terminus with FGF receptors underlies promiscuity of FGF1. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 3067-78	5.4	30
35	Fibroblast growth factor signalling in osteoarthritis and cartilage repair. <i>Nature Reviews Rheumatology</i> , <b>2020</b> , 16, 547-564	8.1	30
34	Influence of heparin mimetics on assembly of the FGF.FGFR4 signaling complex. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 26628-40	5.4	29
33	Elucidation of a four-site allosteric network in fibroblast growth factor receptor tyrosine kinases. <i>ELife</i> , <b>2017</b> , 6,	8.9	28

32	Somatic FGF9 mutations in colorectal and endometrial carcinomas associated with membranous beta-catenin. <i>Human Mutation</i> , <b>2008</b> , 29, 390-7	4.7	27
31	Different tyrosine autophosphorylation requirements in fibroblast growth factor receptor-1 mediate urokinase-type plasminogen activator induction and mitogenesis. <i>Molecular Biology of the Cell</i> , <b>1999</b> , 10, 23-33	3.5	26
30	Graded levels of FGF protein span the midbrain and can instruct graded induction and repression of neural mapping labels. <i>Neuron</i> , <b>2009</b> , 62, 773-80	13.9	25
29	Structural Biology of the FGF7 Subfamily. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 102	4.5	21
28	Regulation of Receptor Binding Specificity of FGF9 by an Autoinhibitory Homodimerization. <i>Structure</i> , <b>2017</b> , 25, 1325-1336.e3	5.2	20
27	Therapeutic Effects of FGF23 c-tail Fc in a Murine Preclinical Model of X-Linked Hypophosphatemia Via the Selective Modulation of Phosphate Reabsorption. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, 2062-2073	6.3	19
26	Induction of urokinase-type plasminogen activator by fibroblast growth factor (FGF)-2 is dependent on expression of FGF receptors and does not require activation of phospholipase Cgamma1. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 31154-9	5.4	19
25	Molecular basis for receptor tyrosine kinase A-loop tyrosine transphosphorylation. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 267-277	11.7	18
24	A novel fibroblast growth factor-1 ligand with reduced heparin binding protects the heart against ischemia-reperfusion injury in the presence of heparin co-administration. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 1585-1602	9.9	17
23	Differential pre- and postsynaptic modulation of chemical transmission in the squid giant synapse by tyrosine phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 1990-4	11.5	17
22	Urothelial tumor initiation requires deregulation of multiple signaling pathways: implications in target-based therapies. <i>Carcinogenesis</i> , <b>2012</b> , 33, 770-80	4.6	16
21	Activating Adenosine Monophosphate-Activated Protein Kinase Mediates Fibroblast Growth Factor 1 Protection From Nonalcoholic Fatty Liver Disease in Mice. <i>Hepatology</i> , <b>2021</b> , 73, 2206-2222	11.2	16
20	Role of SH2-containing proteins in cellular signaling by receptor tyrosine kinases. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>1992</b> , 57, 67-74	3.9	14
19	C-FGF23 peptide alleviates hypoferremia during acute inflammation. <i>Haematologica</i> , <b>2021</b> , 106, 391-403.6		13
18	Genetic testing facilitates prepubertal diagnosis of congenital hypogonadotropic hypogonadism. <i>Clinical Genetics</i> , <b>2017</b> , 92, 213-216	4	12
17	Paracrine-endocrine FGF chimeras as potent therapeutics for metabolic diseases. <i>EBioMedicine</i> , <b>2019</b> , 48, 462-477	8.8	12
16	Structure-based mutational analyses in FGF7 identify new residues involved in specific interaction with FGFR2IIIb. <i>FEBS Letters</i> , <b>2003</b> , 552, 150-4	3.8	11
15	A G protein-coupled, IP3/protein kinase C pathway controlling the synthesis of phosphaturic hormone FGF23. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	11



14	A Conserved Allosteric Pathway in Tyrosine Kinase Regulation. <i>Structure</i> , <b>2019</b> , 27, 1308-1315.e3	5.2	10
13	FGF23-induced hypophosphatemia persists in Hyp mice deficient in the WNT coreceptor Lrp6. <i>Contributions To Nephrology</i> , <b>2013</b> , 180, 124-37	1.6	9
12	Curtailing FGF19 $\beta$ mitogenicity by suppressing its receptor dimerization ability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 29025-29034	11.5	9
11	Fibulin-1 Binds to Fibroblast Growth Factor 8 with High Affinity: EFFECTS ON EMBRYO SURVIVAL. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 18730-9	5.4	6
10	Paracrine FGFs target skeletal muscle to exert potent anti-hyperglycemic effects.. <i>Nature Communications</i> , <b>2021</b> , 12, 7256	17.4	6
9	Fibroblast Growth Factor Binding Protein 3 (FGFBP3) impacts carbohydrate and lipid metabolism. <i>Scientific Reports</i> , <b>2018</b> , 8, 15973	4.9	6
8	Rhenium N-heterocyclic carbene complexes block growth of aggressive cancers by inhibiting FGFR- and SRC-mediated signalling. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2020</b> , 39, 276	12.8	5
7	Synthesis of sulfosucrose derivatives for evaluation as regulators of fibroblast growth factor activity. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 8047-8049	2	4
6	Hedgehogs like it sweet, too. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 17069-70	11.5	2
5	In vitro reconstitution reveals cooperative mechanisms of adapter protein-mediated activation of phospholipase C- $\eta$ in T cells.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101680	5.4	0
4	FGF-FGFR Signaling in Cancer <b>2017</b> , 577-590		
3	FGF-FGFR Signaling in Cancer <b>2014</b> , 1-14		
2	NMR Experiments on Wild-Type and Mutant Fibroblast Growth Factor Receptor Kinases Reveal Conformational Dynamics Associated with Enzyme Activation. <i>Biophysical Journal</i> , <b>2016</b> , 110, 220a	2.9	
1	Structural basis of FGF23 hormone signaling <b>2021</b> , 299-318		