Johanna Tommiska

List of Publications by Year
in descending order

61	7,563	94433	128289
papers	citations	37 h-index	60 g-index

61	61	61	9925
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal Structure of a Ternary FGF-FGFR-Heparin Complex Reveals a Dual Role for Heparin in FGFR Binding and Dimerization. Molecular Cell, 2000, 6, 743-750.	9.7	1,024
2	Tissue-specific Expression of Î²Klotho and Fibroblast Growth Factor (FGF) Receptor Isoforms Determines Metabolic Activity of FGF19 and FGF21. Journal of Biological Chemistry, 2007, 282, 26687-26695.	3.4	654
3	Structural basis for fibroblast growth factor receptor activation. Cytokine and Growth Factor Reviews, 2005, 16, 107-137.	7.2	625
4	Circulating FGF21 Is Liver Derived and Enhances Glucose Uptake During Refeeding and Overfeeding. Diabetes, 2014, 63, 4057-4063.	0.6	467
5	Exploring mechanisms of FGF signalling through the lens of structural biology. Nature Reviews Molecular Cell Biology, 2013, 14, 166-180.	37.0	449
6	Î±-Klotho is a non-enzymatic molecular scaffold for FGF23 hormone signalling. Nature, 2018, 553, 461-466.	27.8	348
7	Decreased FGF8 signaling causes deficiency of gonadotropin-releasing hormone in humans and mice. Journal of Clinical Investigation, 2008, 118, 2822-2831.	8.2	348
8	Tyr Phosphorylation of PDP1 Toggles Recruitment between ACAT1 and SIRT3 to Regulate the Pyruvate Dehydrogenase Complex. Molecular Cell, 2014, 53, 534-548.	9.7	247
9	Mutations in FGF17, IL17RD, DUSP6, SPRY4, and FLRT3 Are Identified in Individuals with Congenital Hypogonadotropic Hypogonadism. American Journal of Human Genetics, 2013, 92, 725-743.	6.2	227
10	Mutations in fibroblast growth factor receptor 1 cause both Kallmann syndrome and normosmic idiopathic hypogonadotropic hypogonadism. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6281-6286.	7.1	225
11	Endocrinization of FGF1 produces a neomorphic and potent insulin sensitizer. Nature, 2014, 513, 436-439.	27.8	201
12	Development of covalent inhibitors that can overcome resistance to first-generation FGFR kinase inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4869-77.	7.1	154
13	Incidence, Phenotypic Features and Molecular Genetics of Kallmann Syndrome in Finland. Orphanet Journal of Rare Diseases, 2011, 6, 41.	2.7	147
14	Parathyroid-Specific Deletion of Klotho Unravels a Novel Calcineurin-Dependent FGF23 Signaling Pathway That Regulates PTH Secretion. PLoS Genetics, 2013, 9, e1003975.	3.5	139
15	Breast Cancer Patients with p53 Pro72 Homozygous Genotype Have a Poorer Survival. Clinical Cancer Research, 2005, 11, 5098-5103.	7.0	138
16	A protein canyon in the FGFâ€“FGF receptor dimer selects from an Ã la carte menu of heparan sulfate motifs. Current Opinion in Structural Biology, 2005, 15, 506-516.	5.7	132
17	Biochemical analysis of pathogenic ligand-dependent FGFR2 mutations suggests distinct pathophysiological mechanisms for craniofacial and limb abnormalities. Human Molecular Genetics, 2004, 13, 2313-2324.	2.9	131
18	The demonstration of Î±Klotho deficiency in human chronic kidney disease with a novel synthetic antibody. Nephrology Dialysis Transplantation, 2015, 30, 223-233.	0.7	124

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19	Fibroblast growth factor 1 ameliorates diabetic nephropathy by an anti-inflammatory mechanism. Kidney International, 2018, 93, 95-109.	5.2	117
20	Inhibition of fibroblast growth factor 23 (FGF23) signaling rescues renal anemia. FASEB Journal, 2018, 32, 3752-3764.	0.5	85
21	FGF21 mediates alcohol-induced adipose tissue lipolysis by activation of systemic release of catecholamine in mice. Journal of Lipid Research, 2015, 56, 1481-1491.	4.2	83
22	Impaired Fibroblast Growth Factor Receptor 1 Signaling as a Cause of Normosmic Idiopathic Hypogonadotropic Hypogonadism. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 4380-4390.	3.6	82
23	Reversible Congenital Hypogonadotropic Hypogonadism in Patients with CHD7, FGFR1 or GNRHR Mutations. PLoS ONE, 2012, 7, e39450.	2.5	81
24	Fibroblast growth factor signalling in osteoarthritis and cartilage repair. Nature Reviews Rheumatology, 2020, 16, 547-564.	8.0	81
25	<scp>KLB</scp> , encoding Î²â€Klotho, is mutated in patients with congenital hypogonadotropic hypogonadism. EMBO Molecular Medicine, 2017, 9, 1379-1397.	6.9	77
26	Uncoupling the Mitogenic and Metabolic Functions of FGF1 by Tuning FGF1-FGF Receptor Dimer Stability. Cell Reports, 2017, 20, 1717-1728.	6.4	71
27	FGF6 and FGF9 regulate UCP1 expression independent of brown adipogenesis. Nature Communications, 2020, 11, 1421.	12.8	67
28	Mutation screening of SEMA3A and SEMA7A in patients with congenital hypogonadotropic hypogonadism. Pediatric Research, 2014, 75, 641-644.	2.3	64
29	Fibroblast growth factor 21 deficiency exacerbates chronic alcohol-induced hepatic steatosis and injury. Scientific Reports, 2016, 6, 31026.	3.3	58
30	Congenital hypogonadotropic hypogonadism with split hand/foot malformation: a clinical entity with a high frequency of FGFR1 mutations. Genetics in Medicine, 2015, 17, 651-659.	2.4	55
31	A threshold model for receptor tyrosine kinase signaling specificity and cell fate determination. F1000Research, 2018, 7, 872.	1.6	52
32	Evaluation ofRAD50 in familial breast cancer predisposition. International Journal of Cancer, 2006, 118, 2911-2916.	5.1	51
33	Two FGF Receptor Kinase Molecules Act in Concert to Recruit and Transphosphorylate Phospholipase Cî³. Molecular Cell, 2016, 61, 98-110.	9.7	48
34	LIN28B in Constitutional Delay of Growth and Puberty. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 3063-3066.	3.6	47
35	LIN28B, LIN28A, KISS1, and KISS1R in idiopathic central precocious puberty. BMC Research Notes, 2011, 4, 363.	1.4	43
36	Activating Adenosine Monophosphateâ€“Activated Protein Kinase Mediates Fibroblast Growth Factor 1 Protection From Nonalcoholic Fatty Liver Disease in Mice. Hepatology, 2021, 73, 2206-2222.	7.3	43

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37	Complete androgen insensitivity syndrome caused by a deep intronic pseudoexon-activating mutation in the androgen receptor gene. Scientific Reports, 2016, 6, 32819.	3.3	42
38	Î²-Klotho deficiency protects against obesity through a crosstalk between liver, microbiota, and brown adipose tissue. JCI Insight, 2017, 2, .	5.0	41
39	Neuron-Derived Neurotrophic Factor Is Mutated in Congenital Hypogonadotropic Hypogonadism. American Journal of Human Genetics, 2020, 106, 58-70.	6.2	39
40	A missense mutation in MKRN3 in a Danish girl with central precocious puberty and her brother with early puberty. Pediatric Research, 2015, 78, 709-711.	2.3	38
41	Elucidation of a four-site allosteric network in fibroblast growth factor receptor tyrosine kinases. ELife, 2017, 6, .	6.0	38
42	Two missense mutations in KCNQ1 cause pituitary hormone deficiency and maternally inherited gingival fibromatosis. Nature Communications, 2017, 8, 1289.	12.8	33
43	Paracrine FGFs target skeletal muscle to exert potent anti-hyperglycemic effects. Nature Communications, 2021, 12, 7256.	12.8	32
44	De novo SOX10 nonsense mutation in a patient with Kallmann syndrome and hearing loss. Pediatric Research, 2014, 76, 115-116.	2.3	31
45	Molecular basis for receptor tyrosine kinase A-loop tyrosine transphosphorylation. Nature Chemical Biology, 2020, 16, 267-277.	8.0	31
46	Genetics of congenital hypogonadotropic hypogonadism in Denmark. European Journal of Medical Genetics, 2014, 57, 345-348.	1.3	30
47	Regulation of Receptor Binding Specificity of FGF9 by an Autoinhibitory Homodimerization. Structure, 2017, 25, 1325-1336.e3.	3.3	25
48	ATM variants and cancer risk in breast cancer patients from Southern Finland. BMC Cancer, 2006, 6, 209.	2.6	23
49	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. Cardiovascular Research, 2017, 113, 1585-1602.	3.8	23
50	Therapeutic Effects of FGF23 c-tail Fc in a Murine Preclinical Model of X-Linked Hypophosphatemia Via the Selective Modulation of Phosphate Reabsorption. Journal of Bone and Mineral Research, 2017, 32, 2062-2073.	2.8	22
51	PROKR2 mutations in autosomal recessive Kallmann syndrome. Fertility and Sterility, 2013, 99, 815-818.	1.0	20
52	Childhood growth in boys with congenital hypogonadotropic hypogonadism. Pediatric Research, 2016, 79, 705-709.	2.3	19
53	Paracrine-endocrine FGF chimeras as potent therapeutics for metabolic diseases. EBioMedicine, 2019, 48, 462-477.	6.1	17
54	A Conserved Allosteric Pathway in Tyrosine Kinase Regulation. Structure, 2019, 27, 1308-1315.e3.	3.3	16

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55	A G proteinâ€“coupled, IP3/protein kinase C pathway controlling the synthesis of phosphaturic hormone FGF23. JCI Insight, 2019, 4, .	5.0	16
56	Rhenium N-heterocyclic carbene complexes block growth of aggressive cancers by inhibiting FGFR- and SRC-mediated signalling. Journal of Experimental and Clinical Cancer Research, 2020, 39, 276.	8.6	14
57	Fibroblast Growth Factor Binding Protein 3 (FGFBP3) impacts carbohydrate and lipid metabolism. Scientific Reports, 2018, 8, 15973.	3.3	12
58	Fibulin-1 Binds to Fibroblast Growth Factor 8 with High Affinity. Journal of Biological Chemistry, 2016, 291, 18730-18739.	3.4	10
59	InÂvitro reconstitution reveals cooperative mechanisms of adapter protein-mediated activation of phospholipase C-Î³1 in T cells. Journal of Biological Chemistry, 2022, 298, 101680.	3.4	5
60	Gonadotropin-releasing hormone receptor mutations in ageing men. Clinical Endocrinology, 2016, 84, 150-151.	2.4	1
61	The FGF signaling pathway and human disease. FASEB Journal, 2006, 20, A694.	0.5	0