

# Regina Goetz

## List of Publications by Citations

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36  
papers

8,159  
citations

31  
h-index

38  
g-index

38  
ext. papers

9,076  
ext. citations

11.6  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
36	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
35	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
34	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, 26687-26694	5.4	542
33	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
32	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
31	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
30	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
29	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
28	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
27	Inhibition of growth hormone signaling by the fasting-induced hormone FGF21. <i>Cell Metabolism</i> , <b>2008</b> , 8, 77-83	24.6	316
26	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
25	Fibroblast growth factor 21 promotes bone loss by potentiating the effects of peroxisome proliferator-activated receptor $\alpha$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 3143-8	11.5	291
24	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
23	$\beta$ Klotho is a non-enzymatic molecular scaffold for FGF23 hormone signalling. <i>Nature</i> , <b>2018</b> , 553, 461-466	50.4	248
22	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
21	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
20	Endocrinization of FGF1 produces a neomorphic and potent insulin sensitizer. <i>Nature</i> , <b>2014</b> , 513, 436-9	50.4	150

19	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
18	FGF23 promotes renal calcium reabsorption through the TRPV5 channel. <i>EMBO Journal</i> , <b>2014</b> , 33, 229-463		132
17	A protein canyon in the FGF-FGF receptor dimer selects from an à la carte menu of heparan sulfate motifs. <i>Current Opinion in Structural Biology</i> , <b>2005</b> , 15, 506-16	8.1	117
16	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
15	Arterial klotho expression and FGF23 effects on vascular calcification and function. <i>PLoS ONE</i> , <b>2013</b> , 8, e60658	3.7	105
14	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
13	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
12	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
11	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
10	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
9	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
8	Inhibition of fibroblast growth factor 23 (FGF23) signaling rescues renal anemia. <i>FASEB Journal</i> , <b>2018</b> , 32, 3752-3764	0.9	59
7	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
6	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
5	Metabolism: Adiponectin---a mediator of specific metabolic actions of FGF21. <i>Nature Reviews Endocrinology</i> , <b>2013</b> , 9, 506-8	15.2	15
4	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
3	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
2	Fibroblast Growth Factor Binding Protein 3 (FGFBP3) impacts carbohydrate and lipid metabolism. <i>Scientific Reports</i> , <b>2018</b> , 8, 15973	4.9	6

1 Structural basis of FGF23 hormone signaling **2021**, 299-318