

# Regina Goetz

## List of Publications by Year in descending order

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37  
papers

9,773  
citations

147801

31  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

9254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endocrine Regulation of the Fasting Response by PPAR $\alpha$ -Mediated Induction of Fibroblast Growth Factor 21. <i>Cell Metabolism</i> , 2007, 5, 415-425.	16.2	1,306
2	The parathyroid is a target organ for FGF23 in rats. <i>Journal of Clinical Investigation</i> , 2007, 117, 4003-8.	8.2	802
3	Tissue-specific Expression of $\beta$ -Klotho and Fibroblast Growth Factor (FGF) Receptor Isoforms Determines Metabolic Activity of FGF19 and FGF21. <i>Journal of Biological Chemistry</i> , 2007, 282, 26687-26695.	3.4	654
4	FGF21 induces PGC-1 $\alpha$ 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> , 2009, 106, 10853-10858.	7.1	605
5	Research Resource: Comprehensive Expression Atlas of the Fibroblast Growth Factor System in Adult Mouse. <i>Molecular Endocrinology</i> , 2010, 24, 2050-2064.	3.7	579
6	$\beta$ -Klotho 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> , 2007, 104, 7432-7437.	7.1	516
7	Molecular Insights into the Klotho-Dependent, Endocrine Mode of Action of Fibroblast Growth Factor 19 Subfamily Members. <i>Molecular and Cellular Biology</i> , 2007, 27, 3417-3428.	2.3	457
8	Exploring mechanisms of FGF signalling through the lens of structural biology. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 166-180.	37.0	449
9	A homozygous missense mutation in human KLOTHO causes severe tumoral calcinosis. <i>Journal of Clinical Investigation</i> , 2007, 117, 2684-2691.	8.2	390
10	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> , 2009, 297, F282-F291.	2.7	361
11	Inhibition of Growth Hormone Signaling by the Fasting-Induced Hormone FGF21. <i>Cell Metabolism</i> , 2008, 8, 77-83.	16.2	353
12	$\beta$ -Klotho is a non-enzymatic molecular scaffold for FGF23 hormone signalling. <i>Nature</i> , 2018, 553, 461-466.	27.8	348
13	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> , 2012, 109, 3143-3148.	7.1	331
14	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> , 2010, 107, 407-412.	7.1	327
15	<i>In vivo</i> genetic evidence for klotho-dependent, fibroblast growth factor 23 (Fgf23)-mediated regulation of systemic phosphate homeostasis. <i>FASEB Journal</i> , 2009, 23, 433-441.	0.5	235
16	Endocrinization of FGF1 produces a neomorphic and potent insulin sensitizer. <i>Nature</i> , 2014, 513, 436-439.	27.8	201
17	Analysis of the Biochemical Mechanisms for the Endocrine Actions of Fibroblast Growth Factor-23. <i>Endocrinology</i> , 2005, 146, 4647-4656.	2.8	192
18	FGF23 acts directly on renal proximal tubules to induce phosphaturia through activation of the ERK1/2-SGK1 signaling pathway. <i>Bone</i> , 2012, 51, 621-628.	2.9	176

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19	FGF23 promotes renal calcium reabsorption through the TRPV5 channel. EMBO Journal, 2014, 33, n/a-n/a.	7.8	159
20	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
21	A protein canyon in the FGF-FGF receptor dimer selects from an À la carte menu of heparan sulfate motifs. Current Opinion in Structural Biology, 2005, 15, 506-516.	5.7	132
22	Pregnane X receptor activation induces FGF19-dependent tumor aggressiveness in humans and mice. Journal of Clinical Investigation, 2011, 121, 3220-3232.	8.2	125
23	The demonstration of Klotho deficiency in human chronic kidney disease with a novel synthetic antibody. Nephrology Dialysis Transplantation, 2015, 30, 223-233.	0.7	124
24	Arterial Klotho Expression and FGF23 Effects on Vascular Calcification and Function. PLoS ONE, 2013, 8, e60658.	2.5	123
25	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. Journal of Biological Chemistry, 2009, 284, 17883-17896.	3.4	121
26	FGF-23-Klotho signaling stimulates proliferation and prevents vitamin D-induced apoptosis. Journal of Cell Biology, 2008, 182, 459-465.	5.2	110
27	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. American Journal of Physiology - Renal Physiology, 2011, 301, F371-F377.	2.7	93
28	Inhibition of fibroblast growth factor 23 (FGF23) signaling rescues renal anemia. FASEB Journal, 2018, 32, 3752-3764.	0.5	85
29	Conversion of a Paracrine Fibroblast Growth Factor into an Endocrine Fibroblast Growth Factor. Journal of Biological Chemistry, 2012, 287, 29134-29146.	3.4	79
30	Klotho Coreceptors Inhibit Signaling by Paracrine Fibroblast Growth Factor 8 Subfamily Ligands. Molecular and Cellular Biology, 2012, 32, 1944-1954.	2.3	74
31	The Alternatively Spliced Acid Box Region Plays a Key Role in FGF Receptor Autoinhibition. Structure, 2012, 20, 77-88.	3.3	66
32	Adiponectin—a mediator of specific metabolic actions of FGF21. Nature Reviews Endocrinology, 2013, 9, 506-508.	9.6	18
33	A G protein-coupled, IP3/protein kinase C pathway controlling the synthesis of phosphaturic hormone FGF23. JCI Insight, 2019, 4, .	5.0	16
34	Fibroblast Growth Factor Binding Protein 3 (FGFBP3) impacts carbohydrate and lipid metabolism. Scientific Reports, 2018, 8, 15973.	3.3	12
35	FGF23-Induced Hypophosphatemia Persists in HypMice Deficient in the WNT Coreceptor Lrp6. Contributions To Nephrology, 2013, 180, 124-137.	1.1	11
36	Current and emerging topics in research on FGF signalling. Seminars in Cell and Developmental Biology, 2016, 53, 74-75.	5.0	0

#	ARTICLE	IF	CITATIONS
37	Structural basis of FGF23 hormone signaling. , 2021, , 299-318.		0