

# Makoto Kuro-O

## List of Publications by Year in descending order

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201  
papers

28,045  
citations

7561

77  
h-index

5384

164  
g-index

208  
all docs

208  
docs citations

208  
times ranked

16183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutation of the mouse klotho gene leads to a syndrome resembling ageing. <i>Nature</i> , 1997, 390, 45-51.	13.7	3,181
2	FGF23 induces left ventricular hypertrophy. <i>Journal of Clinical Investigation</i> , 2011, 121, 4393-4408.	3.9	1,684
3	Suppression of Aging in Mice by the Hormone Klotho. <i>Science</i> , 2005, 309, 1829-1833.	6.0	1,634
4	Regulation of Fibroblast Growth Factor-23 Signaling by Klotho. <i>Journal of Biological Chemistry</i> , 2006, 281, 6120-6123.	1.6	1,174
5	The parathyroid is a target organ for FGF23 in rats. <i>Journal of Clinical Investigation</i> , 2007, 117, 4003-8.	3.9	802
6	Klotho Deficiency Causes Vascular Calcification in Chronic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 124-136.	3.0	787
7	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.	1.6	654
8	Regulation of Oxidative Stress by the Anti-aging Hormone Klotho <sup>TM</sup> . <i>Journal of Biological Chemistry</i> , 2005, 280, 38029-38034.	1.6	596
9	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
10	Identification of the Human Klotho Gene and Its Two Transcripts Encoding Membrane and Secreted Klotho Protein. <i>Biochemical and Biophysical Research Communications</i> , 1998, 242, 626-630.	1.0	564
11	$\beta$ -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.	3.3	516
12	Klotho: a novel phosphaturic substance acting as an autocrine enzyme in the renal proximal tubule. <i>FASEB Journal</i> , 2010, 24, 3438-3450.	0.2	511
13	Fibroblast Growth Factor 23 and Klotho: Physiology and Pathophysiology of an Endocrine Network of Mineral Metabolism. <i>Annual Review of Physiology</i> , 2013, 75, 503-533.	5.6	478
14	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.	1.1	457
15	Klotho Inhibits Transforming Growth Factor- $\beta$ 1 (TGF- $\beta$ 1) Signaling and Suppresses Renal Fibrosis and Cancer Metastasis in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 8655-8665.	1.6	453
16	The Klotho proteins in health and disease. <i>Nature Reviews Nephrology</i> , 2019, 15, 27-44.	4.1	406
17	Removal of sialic acid involving Klotho causes cell-surface retention of TRPV5 channel via binding to galectin-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9805-9810.	3.3	361
18	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.	3.3	327

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19	Klotho deficiency is an early biomarker of renal ischemia-reperfusion injury and its replacement is protective. <i>Kidney International</i> , 2010, 78, 1240-1251.	2.6	312
20	Cardioprotection by Klotho through downregulation of TRPC6 channels in the mouse heart. <i>Nature Communications</i> , 2012, 3, 1238.	5.8	282
21	Structure of the mouse klotho gene and its two transcripts encoding membrane and secreted protein 1. <i>FEBS Letters</i> , 1998, 424, 6-10.	1.3	275
22	Klotho and aging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1049-1058.	1.1	270
23	Klotho Protein Protects against Endothelial Dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 1998, 248, 324-329.	1.0	253
24	Klotho as a regulator of oxidative stress and senescence. <i>Biological Chemistry</i> , 2008, 389, 233-241.	1.2	249
25	Life Extension Factor Klotho Enhances Cognition. <i>Cell Reports</i> , 2014, 7, 1065-1076.	2.9	243
26	Klotho and Phosphate Are Modulators of Pathologic Uremic Cardiac Remodeling. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1290-1302.	3.0	231
27	Vitamin D receptor agonists increase klotho and osteopontin while decreasing aortic calcification in mice with chronic kidney disease fed a high phosphate diet. <i>Kidney International</i> , 2012, 82, 1261-1270.	2.6	228
28	FoxO transcription factors activate Akt and attenuate insulin signaling in heart by inhibiting protein phosphatases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20517-20522.	3.3	227
29	Klotho, phosphate and FGF-23 in ageing and disturbed mineral metabolism. <i>Nature Reviews Nephrology</i> , 2013, 9, 650-660.	4.1	226
30	In Vivo klotho Gene Delivery Protects against Endothelial Dysfunction in Multiple Risk Factor Syndrome. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 767-772.	1.0	223
31	Soluble Klotho Protects against Uremic Cardiomyopathy Independently of Fibroblast Growth Factor 23 and Phosphate. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1150-1160.	3.0	218
32	Connection Between B Lymphocyte and Osteoclast Differentiation Pathways. <i>Journal of Immunology</i> , 2001, 167, 2625-2631.	0.4	215
33	Klotho as a regulator of fibroblast growth factor signaling and phosphate/calcium metabolism. <i>Current Opinion in Nephrology and Hypertension</i> , 2006, 15, 437-441.	1.0	215
34	Klotho is a substrate for $\beta$ 1, $\beta$ 2 and $\beta$ 3 secretase. <i>FEBS Letters</i> , 2009, 583, 3221-3224.	1.3	215
35	Sustained thymopoiesis and improvement in functional immunity induced by exogenous KGF administration in murine models of aging. <i>Blood</i> , 2007, 109, 2529-2537.	0.6	208
36	Klotho. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 459, 333-343.	1.3	207

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37	Renal Production, Uptake, and Handling of Circulating $\beta$ -Klotho. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 79-90.	3.0	203
38	Recombinant $\beta$ -Klotho may be prophylactic and therapeutic for acute to chronic kidney disease progression and uremic cardiomyopathy. <i>Kidney International</i> , 2017, 91, 1104-1114.	2.6	193
39	Independent impairment of osteoblast and osteoclast differentiation in klotho mouse exhibiting low-turnover osteopenia. <i>Journal of Clinical Investigation</i> , 1999, 104, 229-237.	3.9	184
40	Targeted Disruption of Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger Gene Leads to Cardiomyocyte Apoptosis and Defects in Heartbeat. <i>Journal of Biological Chemistry</i> , 2000, 275, 36991-36998.	1.6	183
41	Regulation of Renal Outer Medullary Potassium Channel and Renal K <sup>+</sup> Excretion by Klotho. <i>Molecular Pharmacology</i> , 2009, 76, 38-46.	1.0	171
42	Klotho Gene Polymorphisms Associated With Bone Density of Aged Postmenopausal Women. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 1744-1751.	3.1	168
43	UTF1, a novel transcriptional coactivator expressed in pluripotent embryonic stem cells and extra-embryonic cells. <i>EMBO Journal</i> , 1998, 17, 2019-2032.	3.5	167
44	The Klotho gene family as a regulator of endocrine fibroblast growth factors. <i>Molecular and Cellular Endocrinology</i> , 2009, 299, 72-78.	1.6	162
45	Life Extension Factor Klotho Prevents Mortality and Enhances Cognition in hAPP Transgenic Mice. <i>Journal of Neuroscience</i> , 2015, 35, 2358-2371.	1.7	157
46	Disruption of the <i>klotho</i> Gene Causes Pulmonary Emphysema in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000, 22, 26-33.	1.4	155
47	Angiotensin II blockade upregulates the expression of Klotho, the anti-ageing gene, in an experimental model of chronic cyclosporine nephropathy. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 800-813.	0.4	153
48	Assessment of Renal Fibrosis with Diffusion-weighted MR Imaging: Study with Murine Model of Unilateral Ureteral Obstruction. <i>Radiology</i> , 2010, 255, 772-780.	3.6	148
49	Role of Klotho in Aging, Phosphate Metabolism, and CKD. <i>American Journal of Kidney Diseases</i> , 2011, 58, 127-134.	2.1	148
50	A potential link between phosphate and aging—Lessons from Klotho-deficient mice. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 270-275.	2.2	144
51	Klotho in health and disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2012, 21, 362-368.	1.0	143
52	Establishment of the Anti-Klotho Monoclonal Antibodies and Detection of Klotho Protein in Kidneys. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 597-602.	1.0	142
53	The Antiaging Protein Klotho Enhances Oligodendrocyte Maturation and Myelination of the CNS. <i>Journal of Neuroscience</i> , 2013, 33, 1927-1939.	1.7	142
54	Molecular Cloning of Ratklotho cDNA: Markedly Decreased Expression of klotho by Acute Inflammatory Stress. <i>Biochemical and Biophysical Research Communications</i> , 1998, 251, 920-925.	1.0	138

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55	Overview of the FGF23-Klotho axis. <i>Pediatric Nephrology</i> , 2010, 25, 583-590.	0.9	138
56	Renal and Extrarenal Actions of Klotho. <i>Seminars in Nephrology</i> , 2013, 33, 118-129.	0.6	136
57	BTEB2, a Krüppel-Like Transcription Factor, Regulates Expression of the SMemb/Nonmuscle Myosin Heavy Chain B (SMemb/NMHC-B) Gene. <i>Circulation Research</i> , 1999, 85, 182-191.	2.0	134
58	Endocrine FGFs and Klothos: emerging concepts. <i>Trends in Endocrinology and Metabolism</i> , 2008, 19, 239-245.	3.1	133
59	Signaling pathways involved in vascular smooth muscle cell calcification during hyperphosphatemia. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2077-2091.	2.4	127
60	Phosphate and Klotho. <i>Kidney International</i> , 2011, 79, S20-S23.	2.6	125
61	Pregnane X receptor activation induces FGF19-dependent tumor aggressiveness in humans and mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 3220-3232.	3.9	125
62	The demonstration of Klotho deficiency in human chronic kidney disease with a novel synthetic antibody. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, 223-233.	0.4	124
63	Klotho and the Aging Process. <i>Korean Journal of Internal Medicine</i> , 2011, 26, 113.	0.7	119
64	Bone Marrow-Derived Cells Contribute to Vascular Inflammation but Do Not Differentiate Into Smooth Muscle Cell Lineages. <i>Circulation</i> , 2010, 122, 2048-2057.	1.6	116
65	The emerging role of Klotho in clinical nephrology. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 2650-2657.	0.4	113
66	FGF-23-Klotho signaling stimulates proliferation and prevents vitamin D-induced apoptosis. <i>Journal of Cell Biology</i> , 2008, 182, 459-465.	2.3	110
67	Downregulation of the Klotho Gene in the Kidney under Sustained Circulatory Stress in Rats. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 865-871.	1.0	109
68	Zinc Inhibits Phosphate-Induced Vascular Calcification through TNFAIP3-Mediated Suppression of NF- $\kappa$ B. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1636-1648.	3.0	109
69	Klotho gene delivery suppresses Nox2 expression and attenuates oxidative stress in rat aortic smooth muscle cells via the cAMP/PKA pathway. <i>Aging Cell</i> , 2012, 11, 410-417.	3.0	105
70	The ASK1-Signalosome regulates p38 MAPK activity in response to levels of endogenous oxidative stress in the Klotho mouse models of aging. <i>Aging</i> , 2010, 2, 597-611.	1.4	100
71	Regulation of multiple ageing-like phenotypes by inducible klotho gene expression in klotho mutant mice. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 1274-1283.	2.2	99
72	Characteristics of urinary and serum soluble Klotho protein in patients with different degrees of chronic kidney disease. <i>BMC Nephrology</i> , 2012, 13, 155.	0.8	98

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73	Identification and quantification of plasma calciprotein particles with distinct physical properties in patients with chronic kidney disease. <i>Scientific Reports</i> , 2018, 8, 1256.	1.6	98
74	Î±-Klotho protects against oxidative damage in pulmonary epithelia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L566-L575.	1.3	97
75	Ultra-short echo time (UTE) MR imaging of the lung: Comparison between normal and emphysematous lungs in mutant mice. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 326-333.	1.9	87
76	A phosphate-centric paradigm for pathophysiology and therapy of chronic kidney disease. <i>Kidney International Supplements</i> , 2013, 3, 420-426.	4.6	85
77	Conversion of a Paracrine Fibroblast Growth Factor into an Endocrine Fibroblast Growth Factor. <i>Journal of Biological Chemistry</i> , 2012, 287, 29134-29146.	1.6	79
78	Salt-Sensitive Hypertension in Transgenic Mice Overexpressing Na <sup>+</sup> -Proton Exchanger. <i>Circulation Research</i> , 1995, 76, 148-153.	2.0	79
79	Novel treatment strategies for chronic kidney disease: insights from the animal kingdom. <i>Nature Reviews Nephrology</i> , 2018, 14, 265-284.	4.1	78
80	FGF23-Î±Klotho as a paradigm for a kidney-bone network. <i>Bone</i> , 2017, 100, 4-18.	1.4	76
81	Promoter methylation confers kidney-specific expression of the <i>Klotho</i> gene. <i>FASEB Journal</i> , 2012, 26, 4264-4274.	0.2	75
82	Klotho Coreceptors Inhibit Signaling by Paracrine Fibroblast Growth Factor 8 Subfamily Ligands. <i>Molecular and Cellular Biology</i> , 2012, 32, 1944-1954.	1.1	74
83	Augmentation of phosphate-induced osteo/chondrogenic transformation of vascular smooth muscle cells by homoarginine. <i>Cardiovascular Research</i> , 2016, 110, 408-418.	1.8	73
84	Klotho and Î²Klotho. <i>Advances in Experimental Medicine and Biology</i> , 2012, 728, 25-40.	0.8	69
85	Calciprotein particles regulate fibroblast growth factor-23 expression in osteoblasts. <i>Kidney International</i> , 2020, 97, 702-712.	2.6	65
86	Klotho and endocrine fibroblast growth factors: markers of chronic kidney disease progression and cardiovascular complications?. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, 15-21.	0.4	61
87	Saturated phosphatidic acids mediate saturated fatty acid-induced vascular calcification and lipotoxicity. <i>Journal of Clinical Investigation</i> , 2015, 125, 4544-4558.	3.9	59
88	The FGF23 and Klotho system beyond mineral metabolism. <i>Clinical and Experimental Nephrology</i> , 2017, 21, 64-69.	0.7	57
89	Klotho Protects Dopaminergic Neuron Oxidant-Induced Degeneration by Modulating ASK1 and p38 MAPK Signaling Pathways. <i>PLoS ONE</i> , 2015, 10, e0139914.	1.1	57
90	Impairment of B lymphopoiesis in precocious aging (klotho) mice. <i>International Immunology</i> , 2000, 12, 861-871.	1.8	56

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91	Klotho Variants and Chronic Hemodialysis Mortality. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1847-1855.	3.1	54
92	NH4Cl Treatment Prevents Tissue Calcification in Klotho Deficiency. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2423-2433.	3.0	54
93	Intermittent fasting enhances long-term memory consolidation, adult hippocampal neurogenesis, and expression of longevity gene Klotho. <i>Molecular Psychiatry</i> , 2021, 26, 6365-6379.	4.1	54
94	Involvement Of Vascular Aldosterone Synthase In Phosphate-Induced Osteogenic Transformation Of Vascular Smooth Muscle Cells. <i>Scientific Reports</i> , 2017, 7, 2059.	1.6	53
95	Association between circulating fibroblast growth factor 21 and mortality in end-stage renal disease. <i>PLoS ONE</i> , 2017, 12, e0178971.	1.1	53
96	Calcium phosphate microcrystals in the renal tubular fluid accelerate chronic kidney disease progression. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	53
97	Improvement of multiple pathophysiological phenotypes of klotho (kl/kl) mice by adenovirus-mediated expression of the klotho gene. <i>Journal of Gene Medicine</i> , 2000, 2, 233-242.	1.4	51
98	The Klotho gene family and the endocrine fibroblast growth factors. <i>Current Opinion in Nephrology and Hypertension</i> , 2008, 17, 368-372.	1.0	51
99	Klotho insufficiency causes decrease of ribosomal RNA gene transcription activity, cytoplasmic RNA and rough ER in the spinal anterior horn cells. <i>Acta Neuropathologica</i> , 2005, 109, 457-466.	3.9	50
100	Klotho in chronic kidney disease--What's new?. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 1705-1708.	0.4	48
101	Calciprotein particle (CPP): a true culprit of phosphorus woes?. <i>Nefrologia</i> , 2014, 34, 1-4.	0.2	46
102	Troglitazone Improves Endothelial Function and Augments Renal Klotho mRNA Expression in Otsuka Long-Evans Tokushima Fatty (OLETF) Rats with Multiple Atherogenic Risk Factors.. <i>Hypertension Research</i> , 2001, 24, 705-709.	1.5	45
103	Aromatase Deficiency Causes Altered Expression of Molecules Critical for Calcium Reabsorption in the Kidneys of Female Mice. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1893-1902.	3.1	45
104	Production of Nitric Oxide, but Not Prostacyclin, Is Reduced in Klotho Mice. <i>The Japanese Journal of Pharmacology</i> , 2002, 89, 149-156.	1.2	44
105	Loss of Kitlow progenitors, reduced stem cell factor and high oxidative stress underlie gastric dysfunction in progeric mice. <i>Journal of Physiology</i> , 2010, 588, 3101-3117.	1.3	44
106	Persistent fibroblast growth factor 23 signalling in the parathyroid glands for secondary hyperparathyroidism in mice with chronic kidney disease. <i>Scientific Reports</i> , 2017, 7, 40534.	1.6	42
107	Association between Serum Soluble Klotho Levels and Mortality in Chronic Hemodialysis Patients. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-10.	0.6	41
108	Differential regulation of renal Klotho and FGFR1 in normal and uremic rats. <i>FASEB Journal</i> , 2017, 31, 3858-3867.	0.2	40



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109	Fibroblast growth factor-23 promotes rhythm alterations and contractile dysfunction in adult ventricular cardiomyocytes. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, 1864-1875.	0.4	40
110	Mud in the blood: the role of protein-mineral complexes and extracellular vesicles in biomineralisation and calcification. <i>Journal of Structural Biology</i> , 2020, 212, 107577.	1.3	38
111	Identification of three types of PDGF-A chain gene transcripts in rabbit vascular smooth muscle and their regulated expression during development and by angiotensin II. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 811-818.	1.0	37
112	Macrophages escape Klotho gene silencing in the mdx mouse model of Duchenne muscular dystrophy and promote muscle growth and increase satellite cell numbers through a Klotho-mediated pathway. <i>Human Molecular Genetics</i> , 2018, 27, 14-29.	1.4	37
113	Regulation of the Na <sup>+</sup> /K <sup>+</sup> ATPase by Klotho. <i>FEBS Letters</i> , 2011, 585, 1759-1764.	1.3	36
114	The relationship between the soluble Klotho protein and the residual renal function among peritoneal dialysis patients. <i>Clinical and Experimental Nephrology</i> , 2012, 16, 442-447.	0.7	36
115	Soluble Klotho as a candidate for the biomarker of aging. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 1019-1025.	1.0	36
116	Phosphate as a Pathogen of Arteriosclerosis and Aging. <i>Journal of Atherosclerosis and Thrombosis</i> , 2021, 28, 203-213.	0.9	36
117	PTH, vitamin D, and the FGF-klotho axis and heart: Going beyond the confines of nephrology. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12902.	1.7	35
118	Klotho gene silencing promotes pathology in the mdx mouse model of Duchenne muscular dystrophy. <i>Human Molecular Genetics</i> , 2016, 25, ddw111.	1.4	34
119	Fibroblast growth factor 21, assisted by elevated glucose, activates paraventricular nucleus NUCB2/Nesfatin-1 neurons to produce satiety under fed states. <i>Scientific Reports</i> , 2017, 7, 45819.	1.6	33
120	Klotho and calciprotein particles as therapeutic targets against accelerated ageing. <i>Clinical Science</i> , 2021, 135, 1915-1927.	1.8	32
121	Endocrine fibroblast growth factors as regulators of metabolic homeostasis. <i>BioFactors</i> , 2009, 35, 52-60.	2.6	31
122	1,25(OH) <sub>2</sub> vitamin D <sub>3</sub> dependent inhibition of platelet Ca <sup>2+</sup> signaling and thrombus formation in klotho-deficient mice. <i>FASEB Journal</i> , 2014, 28, 2108-2119.	0.2	30
123	Klotho deficiency in acute kidney injury contributes to lung damage. <i>Journal of Applied Physiology</i> , 2016, 120, 723-732.	1.2	30
124	Klotho deficiency aggravates sepsis-related multiple organ dysfunction. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F438-F448.	1.3	30
125	Heterogeneity in smooth muscle cell population accumulating in the neointimas and the media of poststenotic dilatation of the rabbit carotid artery. <i>Biochemical and Biophysical Research Communications</i> , 1992, 185, 459-464.	1.0	29
126	Diversity and variability of smooth muscle phenotypes of renal arterioles as revealed by myosin isoform expression. <i>Kidney International</i> , 1995, 48, 372-382.	2.6	29



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127	Enpp1 is an anti-aging factor that regulates Klotho under phosphate overload conditions. <i>Scientific Reports</i> , 2017, 7, 7786.	1.6	29
128	Structure and Characterization of the 5' Flanking Region of the Mouse Smooth Muscle Myosin Heavy Chain (SM1/2) Gene. <i>Circulation Research</i> , 1996, 78, 978-989.	2.0	29
129	Isolation of the Embryonic Form of Smooth Muscle Myosin Heavy Chain (SMemb/NMHC-B) Gene and Characterization of Its 5' Flanking Region. <i>Biochemical and Biophysical Research Communications</i> , 1997, 239, 598-605.	1.0	28
130	Alteration in N-glycomics during mouse aging: a role for FUT8. <i>Aging Cell</i> , 2011, 10, 1056-1066.	3.0	28
131	Association of calciprotein particles measured by a new method with coronary artery plaque in patients with coronary artery disease: A cross-sectional study. <i>Journal of Cardiology</i> , 2019, 74, 428-435.	0.8	28
132	Molecular Mechanisms Underlying Accelerated Aging by Defects in the FGF23-Klotho System. <i>International Journal of Nephrology</i> , 2018, 2018, 1-6.	0.7	26
133	Loss of Memo, a novel FGFR regulator, results in reduced lifespan. <i>FASEB Journal</i> , 2014, 28, 327-336.	0.2	25
134	The impact of preserved Klotho gene expression on antioxidative stress activity in healthy kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F345-F352.	1.3	24
135	Enhanced Klotho availability protects against cardiac dysfunction induced by uraemic cardiomyopathy by regulating Ca <sup>2+</sup> handling. <i>British Journal of Pharmacology</i> , 2020, 177, 4701-4719.	2.7	24
136	Acetazolamide sensitive tissue calcification and aging of klotho-hypomorphic mice. <i>Journal of Molecular Medicine</i> , 2016, 94, 95-106.	1.7	22
137	High Salt Diet Impacts the Risk of Sarcopenia Associated with Reduction of Skeletal Muscle Performance in the Japanese Population. <i>Nutrients</i> , 2020, 12, 3474.	1.7	22
138	Daily variability in serum levels of calciprotein particles and their association with mineral metabolism parameters: A cross-sectional pilot study. <i>Nephrology</i> , 2018, 23, 226-230.	0.7	21
139	Modulation of Klotho expression in injured muscle perturbs Wnt signalling and influences the rate of muscle growth. <i>Experimental Physiology</i> , 2020, 105, 132-147.	0.9	20
140	Klotho Regulates 14-3-3 $\sigma$ Monomerization and Binding to the ASK1 Signaling Complex in Response to Oxidative Stress. <i>PLoS ONE</i> , 2015, 10, e0141968.	1.1	20
141	Klotho and vascular calcification. <i>Current Opinion in Nephrology and Hypertension</i> , 2014, 23, 331-339.	1.0	19
142	Phosphate-Induced Renal Fibrosis Requires the Prolyl Isomerase Pin1. <i>PLoS ONE</i> , 2016, 11, e0150093.	1.1	19
143	Expression of myosin isozymes during the developmental stage and their redistribution induced by pressure overload. <i>Japanese Circulation Journal</i> , 1986, 50, 1044-1052.	1.0	18
144	The Body-wide Transcriptome Landscape of Disease Models. <i>iScience</i> , 2018, 2, 238-268.	1.9	18

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145	Pin1 Null Mice Exhibit Low Bone Mass and Attenuation of BMP Signaling. <i>PLoS ONE</i> , 2013, 8, e63565.	1.1	18
146	Fibulin-7, a heparin binding matricellular protein, promotes renal tubular calcification in mice. <i>Matrix Biology</i> , 2018, 74, 5-20.	1.5	16
147	Calciprotein particle-induced cytotoxicity via lysosomal dysfunction and altered cholesterol distribution in renal epithelial HK-2 cells. <i>Scientific Reports</i> , 2020, 10, 20125.	1.6	16
148	Calciprotein Particles Induce IL-1 $\beta$ -Mediated Inflammation through NLRP3 Inflammasome-Dependent and -Independent Mechanisms. <i>ImmunoHorizons</i> , 2021, 5, 602-614.	0.8	16
149	Mid-term predictive value of calciprotein particles in maintenance hemodialysis patients based on a gel-filtration assay. <i>Atherosclerosis</i> , 2020, 303, 46-52.	0.4	16
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