Sylvia Christakos

List of Publications by Year
in descending order

71 papers	7,136 citations	81900 39 h-index	95266 68 g-index
75 all docs	75 docs citations	75 times ranked	7952 citing authors

#	Article	IF	Citations
1	Vitamin D: Metabolism, Molecular Mechanism of Action, and Pleiotropic Effects. Physiological Reviews, 2016, 96, 365-408.	28.8	1,253
2	1,25-Dihydroxyvitamin D₃Ameliorates Th17 Autoimmunity via Transcriptional Modulation of Interleukin-17A. Molecular and Cellular Biology, 2011, 31, 3653-3669.	2.3	420
3	Vitamin D: Metabolism. Endocrinology and Metabolism Clinics of North America, 2010, 39, 243-253.	3.2	328
4	Induction of cathelicidin in normal and CF bronchial epithelial cells by 1,25-dihydroxyvitamin D3. Journal of Cystic Fibrosis, 2007, 6, 403-410.	0.7	304
5	New insights into the mechanisms of vitamin D action. Journal of Cellular Biochemistry, 2003, 88, 695-705.	2.6	285
6	Deficient Mineralization of Intramembranous Bone in Vitamin D-24-Hydroxylase-Ablated Mice Is Due to Elevated 1,25-Dihydroxyvitamin D and Not to the Absence of 24,25-Dihydroxyvitamin D*. Endocrinology, 2000, 141, 2658-2666.	2.8	257
7	Vitamin D: beyond bone. Annals of the New York Academy of Sciences, 2013, 1287, 45-58.	3.8	249
8	Genomic mechanisms involved in the pleiotropic actions of 1,25-dihydroxyvitamin D3. Biochemical Journal, 1996, 316, 361-371.	3.7	228
9	Vitamin D, calcium homeostasis and aging. Bone Research, 2016, 4, 16041.	11.4	228
10	Mechanisms Underlying the Regulation of Innate and Adaptive Immunity by Vitamin D. Nutrients, 2015, 7, 8251-8260.	4.1	220
11	Calcium Transporter 1 and Epithelial Calcium Channel Messenger Ribonucleic Acid Are Differentially Regulated by 1,25 Dihydroxyvitamin D3 in the Intestine and Kidney of Mice. Endocrinology, 2003, 144, 3885-3894.	2.8	218
12	Active Intestinal Calcium Transport in the Absence of Transient Receptor Potential Vanilloid Type 6 and Calbindin-D9k. Endocrinology, 2008, 149, 3196-3205.	2.8	204
13	Biology and Mechanisms of Action of the Vitamin D Hormone. Endocrinology and Metabolism Clinics of North America, 2017, 46, 815-843.	3.2	185
14	New aspects of vitamin D metabolism and action â€" addressing the skin as source and target. Nature Reviews Endocrinology, 2020, 16, 234-252.	9.6	181
15	The Vitamin D Receptor, Runx2, and the Notch Signaling Pathway Cooperate in the Transcriptional Regulation of Osteopontin. Journal of Biological Chemistry, 2005, 280, 40589-40598.	3.4	144
16	Early climbing fiber interactions with Purkinje cells in the postnatal mouse cerebellum. Journal of Comparative Neurology, 1990, 297, 77-90.	1.6	127
17	Ultrastructural localization of immunoreactive calbindin-D28k in the rat and monkey basal ganglia, including subcellular distribution with colloidal gold labeling. Journal of Comparative Neurology, 1989, 279, 653-665.	1.6	100
18	Vitamin D. Annals of the New York Academy of Sciences, 2007, 1116, 340-348.	3.8	97

#	Article	IF	Citations
19	Functional Cooperation between CCAAT/Enhancer-Binding Proteins and the Vitamin D Receptor in Regulation of 25-Hydroxyvitamin D 3 24-Hydroxylase. Molecular and Cellular Biology, 2005, 25, 472-487.	2.3	96
20	Cerebellar Purkinje cell markers are expressed in retinal bipolar neurons. Journal of Comparative Neurology, 1991, 308, 630-649.	1.6	93
21	Minireview: Vitamin D: Is There a Role in Extraskeletal Health?. Endocrinology, 2011, 152, 2930-2936.	2.8	92
22	TRPV6 is not required for 1Î±,25-dihydroxyvitamin D ₃ -induced intestinal calcium absorption in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19655-19659.	7.1	90
23	Vitamin D-Dependent Rat Renal Calcium-Binding Protein: Development of a Radioimmu no assay, Tissue Distribution, and Immunologic Identification*. Endocrinology, 1984, 115, 640-648.	2.8	83
24	Calbindin D _{9k} knockout mice are indistinguishable from wild-type mice in phenotype and serum calcium level. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12377-12381.	7.1	83
25	Recent advances in our understanding of 1,25-dihydroxyvitamin D3 regulation of intestinal calcium absorption. Archives of Biochemistry and Biophysics, 2012, 523, 73-76.	3.0	81
26	Calbindin D9k is not required for 1,25-dihydroxyvitamin D3-mediated Ca2+ absorption in small intestine. Archives of Biochemistry and Biophysics, 2007, 460, 227-232.	3.0	80
27	Evidence for a Role of Prolactin in Calcium Homeostasis: Regulation of Intestinal Transient Receptor Potential Vanilloid Type 6, Intestinal Calcium Absorption, and the 25-Hydroxyvitamin D3 1Î± Hydroxylase Gene by Prolactin. Endocrinology, 2010, 151, 2974-2984.	2.8	77
28	Vitamin D: Metabolism. Rheumatic Disease Clinics of North America, 2012, 38, 1-11.	1.9	73
29	Novel regulation of 25â€hydroxyvitamin D₃ 24â€hydroxylase (24(OH)ase) transcription by glucocorticoids: Cooperative effects of the glucocorticoid receptor, C/EBPÎ², and the Vitamin D receptor in 24(OH)ase transcription. Journal of Cellular Biochemistry, 2010, 110, 1314-1323.	2.6	71
30	Vitamin D endocrine system and the intestine. BoneKEy Reports, 2014, 3, 496.	2.7	71
31	New developments in our understanding of vitamin D metabolism, action and treatment. Metabolism: Clinical and Experimental, 2019, 98, 112-120.	3.4	66
32	Calcitonin, a Regulator of the 25-Hydroxyvitamin D3 1Î±-Hydroxylase Gene. Journal of Biological Chemistry, 2009, 284, 11059-11069.	3.4	56
33	Induction of triggering receptor expressed on myeloid cells (TREM-1) in airway epithelial cells by 1,25(OH)₂ vitamin D₃. Innate Immunity, 2012, 18, 250-257.	2.4	56
34	Mechanism of action of 1,25-dihydroxyvitamin D3 on intestinal calcium absorption. Reviews in Endocrine and Metabolic Disorders, 2012, 13, 39-44.	5.7	55
35	Biological actions and mechanism of action of calbindin in the process of apoptosis. Journal of Steroid Biochemistry and Molecular Biology, 2004, 89-90, 401-404.	2.5	54
36	In vitro enzyme activation with calbindin-D28k, the vitamin D-dependent 28 kDa calcium binding protein. FEBS Letters, 1992, 297, 127-131.	2.8	51

#	Article	IF	Citations
37	Molecular Aspects of the Calbindins. Journal of Nutrition, 1992, 122, 678-682.	2.9	51
38	Mechanisms involved in vitamin D mediated intestinal calcium absorption and in non-classical actions of vitamin D. Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 183-187.	2.5	46
39	Integration of hormone signaling in the regulation of human 25(OH)D3 24-hydroxylase transcription. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E598-E608.	3.5	39
40	Age and gender effects on 1,25-dihydroxyvitamin D3-regulated gene expression. Experimental Gerontology, 1995, 30, 631-643.	2.8	37
41	YY1 Represses Vitamin D Receptor-Mediated 25-Hydroxyvitamin D3 24-Hydroxylase Transcription: Relief of Repression by CREB-Binding Protein. Molecular Endocrinology, 2001, 15, 1035-1046.	3.7	37
42	Vitamin D and the intestine: Review and update. Journal of Steroid Biochemistry and Molecular Biology, 2020, 196, 105501.	2.5	37
43	Evidence for a Regulatory Role of Inducible cAMP Early Repressor in Protein Kinase A-Mediated Enhancement of Vitamin D Receptor Expression and Modulation of Hormone Action. Molecular Endocrinology, 2002, 16, 2052-2064.	3.7	36
44	Novel Mechanism of Negative Regulation of 1,25-Dihydroxyvitamin D3-induced 25-Hydroxyvitamin D3 24-Hydroxylase (Cyp24a1) Transcription. Journal of Biological Chemistry, 2014, 289, 33958-33970.	3.4	36
45	Intestinal Regulation of Calcium: Vitamin D and Bone Physiology. Advances in Experimental Medicine and Biology, 2017, 1033, 3-12.	1.6	34
46	25-Hydroxyvitamin D3 24-Hydroxylase. Vitamins and Hormones, 2016, 100, 137-150.	1.7	33
47	New insights into the function and regulation of vitamin D target proteins. Journal of Steroid Biochemistry and Molecular Biology, 2007, 103, 405-410.	2.5	31
48	Vitamin D Biology Revealed Through the Study of Knockout and Transgenic Mouse Models. Annual Review of Nutrition, 2013, 33, 71-85.	10.1	30
49	New Insights into the Mechanisms Involved in the Pleiotropic Actions of 1,25Dihydroxyvitamin D3. Annals of the New York Academy of Sciences, 2006, 1068, 194-203.	3.8	26
50	CCAAT Enhancer-binding Protein Î± Is a Molecular Target of 1,25-Dihydroxyvitamin D3 in MCF-7 Breast Cancer Cells. Journal of Biological Chemistry, 2009, 284, 3086-3095.	3.4	26
51	Acute Hypoxia-Induced Alterations of Calbindin-D_{28k}Immunoreactivity in Cerebellar purkinje Cells of the Guinea pig Fetus at Term. Journal of Neuropathology and Experimental Neurology, 2001, 60, 470-482.	1.7	25
52	C/EBPÎ± and the Vitamin D Receptor Cooperate in the Regulation of Cathelicidin in Lung Epithelial Cells. Journal of Cellular Physiology, 2015, 230, 464-472.	4.1	25
53	Transgenic Expression of the Vitamin D Receptor Restricted to the Ileum, Cecum, and Colon of Vitamin D Receptor Knockout Mice Rescues Vitamin D Receptorâˆ’Dependent Rickets. Endocrinology, 2017, 158, 3792-3804.	2.8	25
54	Calcium Binding Protein in Squid Brain: Biochemical Similarity to the 28,000-MrVitamin D-Dependent Calcium Binding Protein (Calbindin-D28k). Journal of Neurochemistry, 1987, 49, 1427-1437.	3.9	20

#	Article	IF	Citations
55	Immunoreactive calcium-binding protein (calbindin-D28k) in interneurons and trigeminothalamic neurons of the rat nucleus caudalis localized with peroxidase and immunogold methods. Synapse, 1991, 7, 106-113.	1.2	19
56	Analysis of 1,25-Dihydroxyvitamin D₃ Genomic Action Reveals Calcium-Regulating and Calcium-Independent Effects in Mouse Intestine and Human Enteroids. Molecular and Cellular Biology, 2021, 41, .	2.3	18
57	Drivers of transcriptional variance in human intestinal epithelial organoids. Physiological Genomics, 2021, 53, 486-508.	2.3	17
58	Cellular gene expression for calbidin-D28k in mouse kidney. The Anatomical Record, 1990, 227, 145-151.	1.8	16
59	Vitamin D and Bone. Handbook of Experimental Pharmacology, 2019, 262, 47-63.	1.8	12
60	Vitamin<scp>D</scp>: A Critical Regulator of Intestinal Physiology. JBMR Plus, 2021, 5, e10554.	2.7	12
61	In search of regulatory circuits that control the biological activity of vitamin D. Journal of Biological Chemistry, 2017, 292, 17559-17560.	3.4	10
62	PU.1 and epigenetic signals modulate 1,25â€dihydroxyvitamin D₃ and C/EBPÎ± regulation of the human cathelicidin antimicrobial peptide gene in lung epithelial cells. Journal of Cellular Physiology, 2019, 234, 10345-10359.	4.1	8
63	Regulatory domains controlling high intestinal vitamin D receptor gene expression are conserved in mouse and human. Journal of Biological Chemistry, 2022, 298, 101616.	3.4	8
64	Genomic analysis of 1,25-dihydroxyvitamin D3 action in mouse intestine reveals compartment and segment-specific gene regulatory effects. Journal of Biological Chemistry, 2022, 298, 102213.	3.4	8
65	1,25â€Dihydroxyvitamin D₃ and dietary vitamin D reduce inflammation in mice lacking intestinal epithelial cell Rab11a. Journal of Cellular Physiology, 2021, 236, 8148-8159.	4.1	6
66	1,25 (OH)2D3 treatment alters the granulomatous response in M. tuberculosis infected mice. Scientific Reports, 2016, 6, 34469.	3.3	5
67	Vitamin D gene regulation. , 2020, , 739-756.		2
68	Highlights from the 19 th Workshop on Vitamin D in Boston, March 29â€"31, 2016. Journal of Steroid Biochemistry and Molecular Biology, 2017, 173, 1-4.	2.5	1
69	Binding Proteins | Calcium-Buffering Proteins: Calbindin. , 2021, , 527-533.		0
70	New Insights into Mechanisms Of Vitamin D Action Revealed Through The Study Of Transgenic, Knockout, and Aging Mice. FASEB Journal, 2015, 29, LB185.	0.5	0
71	Vitamin D and health: beyond bone. MD Advisor: A Journal for New Jersey Medical Community, 2014, 7, 28-32.	0.0	0