

# Daniela Riccardi

## List of Publications by Year in descending order

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101  
papers

8,963  
citations

57719

44  
h-index

42364

92  
g-index

102  
all docs

102  
docs citations

102  
times ranked

6985  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired Mineral Ion Metabolism in a Mouse Model of Targeted Calcium-Sensing Receptor (CaSR) Deletion from Vascular Smooth Muscle Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 1323-1340.	3.0	7
2	Characterization of Negative Allosteric Modulators of the Calcium-Sensing Receptor for Repurposing as a Treatment of Asthma. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 376, 51-63.	1.3	14
3	Stereo-Specific Modulation of the Extracellular Calcium-Sensing Receptor in Colon Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10124.	1.8	8
4	International Union of Basic and Clinical Pharmacology. CVIII. Calcium-Sensing Receptor Nomenclature, Pharmacology, and Function. <i>Pharmacological Reviews</i> , 2020, 72, 558-604.	7.1	59
5	Treatment of Autosomal Dominant Hypocalcemia Type 1 With the Calcilytic NPSP795 (SHP635). <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1609-1618.	3.1	30
6	Calcium-sensing receptor (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	2
7	The Calcium-Sensing Receptor Increases Activity of the Renal NCC through the WNK4-SPAK Pathway. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1838-1848.	3.0	31
8	Phenotypic characterization of Grm1 crv4 mice reveals a functional role for the type 1 metabotropic glutamate receptor in bone mineralization. <i>Bone</i> , 2017, 94, 114-123.	1.4	4
9	The extracellular calcium-sensing receptor regulates human fetal lung development via CFTR. <i>Scientific Reports</i> , 2016, 6, 21975.	1.6	47
10	Localization and function of the renal calcium-sensing receptor. <i>Nature Reviews Nephrology</i> , 2016, 12, 414-425.	4.1	107
11	Improving and accelerating the differentiation and functional maturation of human stem cell-derived neurons: role of extracellular calcium and GABA. <i>Journal of Physiology</i> , 2016, 594, 6583-6594.	1.3	50
12	Comparative expression of the extracellular calcium-sensing receptor in the mouse, rat, and human kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F518-F533.	1.3	51
13	The vascular Ca <sup>2+</sup> -sensing receptor regulates blood vessel tone and blood pressure. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C193-C204.	2.1	73
14	FGF23-regulated production of Fetuin-A (AHSG) in osteocytes. <i>Bone</i> , 2016, 83, 35-47.	1.4	24
15	The calcium-sensing receptor: one of a kind. <i>Experimental Physiology</i> , 2015, 100, 1392-1399.	0.9	24
16	Calcium-sensing receptor antagonists abrogate airway hyperresponsiveness and inflammation in allergic asthma. <i>Science Translational Medicine</i> , 2015, 7, 284ra60.	5.8	142
17	A New Method to Investigate How Mechanical Loading of Osteocytes Controls Osteoblasts. <i>Frontiers in Endocrinology</i> , 2014, 5, 208.	1.5	51
18	Tissue Expression and Correlation of a Panel of Urinary Biomarkers Following Cisplatin-induced Kidney Injury. <i>Toxicologic Pathology</i> , 2014, 42, 591-602.	0.9	31

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19	Emerging roles of the extracellular calcium-sensing receptor in nutrient sensing: control of taste modulation and intestinal hormone secretion. <i>British Journal of Nutrition</i> , 2014, 111, S16-S22.	1.2	44
20	Grainyhead-like 2 (GRHL2) distribution reveals novel pathophysiological differences between human idiopathic pulmonary fibrosis and mouse models of pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L405-L419.	1.3	17
21	The extracellular calcium-sensing receptor, CaSR, in fetal development. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2013, 27, 443-453.	2.2	35
22	Calcium sensing receptor signalling in physiology and cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1732-1744.	1.9	123
23	The Calcium-Sensing Receptor. , 2013, , 2187-2224.		11
24	Molecular and clinical analysis of a neonatal severe hyperparathyroidism case caused by a stop mutation in the calcium-sensing receptor extracellular domain representing in effect a human $\text{Ca}^{2+}$ knockout <sup>TM</sup> . <i>European Journal of Endocrinology</i> , 2013, 169, K1-K7.	1.9	9
25	Functional expression of the multimodal extracellular calcium-sensing receptor in pulmonary neuroendocrine cells. <i>Journal of Cell Science</i> , 2013, 126, 4490-4501.	1.2	23
26	Fetal Calcium Regulates Branching Morphogenesis in the Developing Human and Mouse Lung: Involvement of Voltage-Gated Calcium Channels. <i>PLoS ONE</i> , 2013, 8, e80294.	1.1	25
27	Parathyroid Hormone $\alpha$ -Independent Role for the Calcium-Sensing Receptor in the Control of Urinary Calcium Excretion. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1766-1768.	3.0	7
28	Allosteric agonists of the calcium receptor (CaR): fluorine and SF5 analogues of cinacalcet. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7922.	1.5	25
29	The Calcium-Sensing Receptor Beyond Extracellular Calcium Homeostasis: Conception, Development, Adult Physiology, and Disease. <i>Annual Review of Physiology</i> , 2012, 74, 271-297.	5.6	124
30	New concepts in calcium $\alpha$ -sensing receptor pharmacology and signalling. <i>British Journal of Pharmacology</i> , 2012, 165, 35-48.	2.7	59
31	Antagonizing the Calcium-Sensing Receptor: Towards New Bone Anabolics?. <i>Current Molecular Pharmacology</i> , 2012, 5, 182-188.	0.7	6
32	Functional expression of the extracellular Ca <sup>2+</sup> $\alpha$ -sensing receptor in pulmonary neuroepithelial bodies. <i>FASEB Journal</i> , 2012, 26, 894.16.	0.2	0
33	Glutathione S $\alpha$ -transferases as molecular markers of tumour progression and prognosis in renal cell carcinoma. <i>Histopathology</i> , 2011, 58, 180-190.	1.6	24
34	Cysteine residue 911 in C-terminal tail of human BKCa $\alpha$ channel subunit is crucial for its activation by carbon monoxide. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 665-675.	1.3	41
35	Alveolar epithelial CNGA1 channels mediate cGMP-stimulated, amiloride-insensitive, lung liquid absorption. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 462, 267-279.	1.3	15
36	An exon 5-less splice variant of the extracellular calcium-sensing receptor rescues absence of the full-length receptor in the developing mouse lung. <i>Experimental Lung Research</i> , 2011, 37, 269-278.	0.5	12

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37	Mechanism of inhibition by hydrogen sulfide of native and recombinant BKCa channels. <i>Respiratory Physiology and Neurobiology</i> , 2010, 172, 169-178.	0.7	92
38	Application of <i>Dolichos biflorus</i> in immunoassay detection of kidney collecting duct biomarkers. <i>Biomarkers</i> , 2010, 15, 424-435.	0.9	8
39	Physiology and pathophysiology of the calcium-sensing receptor in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F485-F499.	1.3	283
40	Lung Organogenesis. <i>Current Topics in Developmental Biology</i> , 2010, 90, 73-158.	1.0	386
41	Characterization of Renal Papillary Antigen 1 (RPA-1), a Biomarker of Renal Papillary Necrosis. <i>Toxicologic Pathology</i> , 2010, 38, 346-358.	0.9	24
42	Purinergic signaling in the pulmonary neuroepithelial body microenvironment unraveled by live cell imaging. <i>FASEB Journal</i> , 2009, 23, 1153-1160.	0.2	45
43	Calcification is associated with loss of functional calcium-sensing receptor in vascular smooth muscle cells. <i>Cardiovascular Research</i> , 2009, 81, 260-268.	1.8	179
44	Activation of the Ca <sup>2+</sup> -sensing receptor stimulates the activity of the epithelial Ca <sup>2+</sup> channel TRPV5. <i>Cell Calcium</i> , 2009, 45, 331-339.	1.1	82
45	Novel regulatory aspects of the extracellular Ca <sup>2+</sup> -sensing receptor, CaR. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 458, 1007-1022.	1.3	35
46	Enzyme-Linked Oxygen Sensing by Potassium Channels. <i>Annals of the New York Academy of Sciences</i> , 2009, 1177, 112-118.	1.8	14
47	Carbon monoxide is a rapid modulator of recombinant and native P2X <sub>2</sub> ligand-gated ion channels. <i>British Journal of Pharmacology</i> , 2009, 158, 862-871.	2.7	34
48	Hydrogen Sulfide Inhibits Human BKCa Channels. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 65-72.	0.8	73
49	Effects of the Polyamine Spermine on Arterial Chemoreception. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 97-104.	0.8	2
50	Cysteine Residues in the C-terminal Tail of the Human BKCa $\alpha$ Subunit Are Important for Channel Sensitivity to Carbon Monoxide. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 49-56.	0.8	14
51	Calcium: it's not just for bones!. , 2009, , 25-27.		0
52	A structural motif in the C-terminal tail of slo1 confers carbon monoxide sensitivity to human BKCa channels. <i>Pflügers Archiv European Journal of Physiology</i> , 2008, 456, 561-572.	1.3	48
53	Regulation of mouse lung development by the extracellular calcium-sensing receptor, CaR. <i>Journal of Physiology</i> , 2008, 586, 6007-6019.	1.3	38
54	Regulation of axonal and dendritic growth by the extracellular calcium-sensing receptor. <i>Nature Neuroscience</i> , 2008, 11, 285-291.	7.1	97

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55	Calcium-sensing receptor antagonism or lithium treatment ameliorates aminoglycoside-induced cell death in renal epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2008, 1782, 188-195.	1.8	10
56	Functional Live Cell Imaging of the Pulmonary Neuroepithelial Body Microenvironment. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 180-189.	1.4	58
57	The Role of the Calcium-Sensing Receptor in the Pathophysiology of Secondary Hyperparathyroidism. <i>CKJ: Clinical Kidney Journal</i> , 2008, 1, i7-i11.	1.4	10
58	The calcium-sensing receptor as a nutrient sensor. <i>Biochemical Society Transactions</i> , 2008, 36, 1501-1501.	1.6	0
59	Cell Biology of Thiazide Bone Effects. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
60	The Calcium-Sensing Receptor. , 2008, , 1785-1802.		2
61	Thiazide Diuretics Directly Induce Osteoblast Differentiation and Mineralized Nodule Formation by Interacting with a Sodium Chloride Co-Transporter in Bone. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 2509-2516.	3.0	98
62	Seasonal changes in peptide, receptor and ion channel mRNA expression in the caudal neurosecretory system of the European flounder ( <i>Platichthys flesus</i> ). <i>General and Comparative Endocrinology</i> , 2007, 153, 262-272.	0.8	25
63	Molecular Characterization and Expression of Urotensin II and its Receptor in the Flounder ( <i>Platichthys flesus</i> ): A Hormone System Supporting Body Fluid Homeostasis in Euryhaline Fish. <i>Endocrinology</i> , 2006, 147, 3692-3708.	1.4	57
64	In Search of the Acute Oxygen Sensor. , 2006, , 137-146.		2
65	Aminoglycosides Induce Acute Cell Signaling and Chronic Cell Death in Renal Cells that Express the Calcium-Sensing Receptor. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 1236-1244.	3.0	50
66	Altered expression of iron transport proteins in streptozotocin-induced diabetic rat kidney. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1740, 79-84.	1.8	24
67	Coexpression of Corticotropin-Releasing Hormone and Urotensin I Precursor Genes in the Caudal Neurosecretory System of the Euryhaline Flounder ( <i>Platichthys flesus</i> ): A Possible Shared Role in Peripheral Regulation. <i>Endocrinology</i> , 2004, 145, 5786-5797.	1.4	71
68	A Single Nucleotide Polymorphism Alters the Activity of the Renal Na <sup>+</sup> :Cl <sup>-</sup> Cotransporter and Reveals a Role for Transmembrane Segment 4 in Chloride and Thiazide Affinity. <i>Journal of Biological Chemistry</i> , 2004, 279, 16553-16560.	1.6	35
69	Hemoxygenase-2 Is an Oxygen Sensor for a Calcium-Sensitive Potassium Channel. <i>Science</i> , 2004, 306, 2093-2097.	6.0	424
70	Extracellular calcium antagonizes forskolin-induced aquaporin 2 trafficking in collecting duct cells. <i>Kidney International</i> , 2004, 66, 2245-2255.	2.6	90
71	The role of extracellular calcium in the regulation of intracellular calcium and cell function (II). Some answers and more questions. <i>Cell Calcium</i> , 2004, 35, 179-181.	1.1	11
72	Ca <sup>2+</sup> as an extracellular signal in bone. <i>Cell Calcium</i> , 2004, 35, 249-255.	1.1	169

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73	Physiological changes in extracellular calcium concentration directly control osteoblast function in the absence of calciotropic hormones. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5140-5145.	3.3	386
74	Iron handling and gene expression of the divalent metal transporter, DMT1, in the kidney of the anemic Belgrade (b) rat. Kidney International, 2003, 64, 1755-1764.	2.6	31
75	Human calcium-sensing receptor can be suppressed by antisense sequences. Biochemical and Biophysical Research Communications, 2003, 311, 610-617.	1.0	4
76	Electrical activity of caudal neurosecretory neurons in seawater- and freshwater-adapted flounder: responses to cholinergic agonists. Journal of Experimental Biology, 2003, 206, 4011-4020.	0.8	21
77	Altered dietary iron intake is a strong modulator of renal DMT1 expression. American Journal of Physiology - Renal Physiology, 2003, 285, F1050-F1059.	1.3	43
78	Extracellular Ca <sup>2+</sup> -Sensing Receptor and Kidney Function. Growth Hormone, 2003, , 69-102.	0.2	1
79	Extracellular calcium sensing receptor in human pancreatic cells. Gut, 2002, 51, 705-711.	6.1	70
80	Regulation of the Epithelial Sodium Channel by N4WBP5A, a Novel Nedd4/Nedd4-2-interacting Protein. Journal of Biological Chemistry, 2002, 277, 29406-29416.	1.6	85
81	Aminoglycosides Increase Intracellular Calcium Levels and ERK Activity in Proximal Tubular OK Cells Expressing the Extracellular Calcium-Sensing Receptor. Journal of the American Society of Nephrology: JASN, 2002, 13, 1481-1489.	3.0	87
82	Aminoglycoside antibiotics induce pH-sensitive activation of the calcium-sensing receptor. Biochemical and Biophysical Research Communications, 2002, 297, 71-77.	1.0	65
83	Physiological and pharmacological agonists of the extracellular Ca <sup>2+</sup> -sensing receptor. European Journal of Pharmacology, 2002, 447, 271-278.	1.7	26
84	Renal physiology of the extracellular calcium-sensing receptor. Pflugers Archiv European Journal of Physiology, 2002, 445, 169-176.	1.3	46
85	Wellcome Prize Lecture Cell surface, ion-sensing receptors. Experimental Physiology, 2002, 87, 403-411.	0.9	13
86	Cellular localization of divalent metal transporter DMT-1 in rat kidney. American Journal of Physiology - Renal Physiology, 2001, 280, F803-F814.	1.3	122
87	Functional, Molecular, and Biochemical Characterization of Streptozotocin-Induced Diabetes. Journal of the American Society of Nephrology: JASN, 2001, 12, 779-790.	3.0	103
88	In vivo characterization of renal iron transport in the anaesthetized rat. Journal of Physiology, 2000, 524, 581-586.	1.3	80
89	Dietary phosphate and parathyroid hormone alter the expression of the calcium-sensing receptor (CaR) and the Na <sup>+</sup> -dependent P <sub>i</sub> transporter (NaPi-2) in the rat proximal tubule. Pflugers Archiv European Journal of Physiology, 2000, 441, 379-387.	1.3	59
90	The Extracellular Calcium-Sensing Receptor: Molecular Features, Distribution and Its Role in Physiology and Disease. , 2000, , 165-177.		0

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91	Molecular and Functional Identification of a Ca <sup>2+</sup> (Polyvalent Cation)-sensing Receptor in Rat Pancreas. <i>Journal of Biological Chemistry</i> , 1999, 274, 20561-20568.	1.6	143
92	The Many Roles of the Calcium-Sensing Receptor in Health and Disease. <i>Archives of Medical Research</i> , 1999, 30, 436-448.	1.5	33
93	Expression of cartilage-derived retinoic acid-sensitive protein during healing of the rat tooth-extraction socket. <i>Archives of Oral Biology</i> , 1999, 44, 751-757.	0.8	15
94	Identification and localization of extracellular Ca <sup>2+</sup> -sensing receptor in rat intestine. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 274, G122-G130.	1.6	132
95	Localization of the extracellular Ca <sup>2+</sup> /polyvalent cation-sensing protein in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 274, F611-F622.	1.3	178
96	Ontogeny of the extracellular calcium-sensing receptor in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , 1996, 271, F736-F743.	1.3	35
97	Specificity of Coupling of Muscarinic Receptor Isoforms to a Novel Chick Inward-rectifying Acetylcholine-sensitive K <sup>+</sup> Channel. <i>Journal of Biological Chemistry</i> , 1996, 271, 6398-6402.	1.6	10
98	Cloning and functional expression of a rat kidney extracellular calcium/polyvalent cation-sensing receptor.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 131-135.	3.3	454
99	Calcium-Ionâ€“Sensing Cell-Surface Receptors. <i>New England Journal of Medicine</i> , 1995, 333, 234-240.	13.9	233
100	Cloning and characterization of an extracellular Ca <sup>2+</sup> -sensing receptor from bovine parathyroid. <i>Nature</i> , 1993, 366, 575-580.	13.7	2,533
101	Functional Proteomics of BK Potassium Channels: Defining the Acute Oxygen Sensor. <i>Novartis Foundation Symposium</i> , 0, , 141-156.	1.2	10