

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 | Cloning and characterization of an extracellular Ca ²⁺ -sensing receptor from bovine parathyroid. <i>Nature</i> , 1993, 366, 575-580. | 13.7 | 2,533 |
| 2 | 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 |
| 3 | Hemoxygenase-2 Is an Oxygen Sensor for a Calcium-Sensitive Potassium Channel. <i>Science</i> , 2004, 306, 2093-2097. | 6.0 | 424 |
| 4 | Physiological changes in extracellular calcium concentration directly control osteoblast function in the absence of calciotropic hormones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5140-5145. | 3.3 | 386 |
| 5 | Lung Organogenesis. <i>Current Topics in Developmental Biology</i> , 2010, 90, 73-158. | 1.0 | 386 |
| 6 | 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 |
| 7 | Calcium-Ionâ€“Sensing Cell-Surface Receptors. <i>New England Journal of Medicine</i> , 1995, 333, 234-240. | 13.9 | 233 |
| 8 | 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 |
| 9 | Localization of the extracellular Ca ²⁺ /polyvalent cation-sensing protein in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 274, F611-F622. | 1.3 | 178 |
| 10 | Ca ²⁺ as an extracellular signal in bone. <i>Cell Calcium</i> , 2004, 35, 249-255. | 1.1 | 169 |
| 11 | Molecular and Functional Identification of a Ca ²⁺ (Polyvalent Cation)-sensing Receptor in Rat Pancreas. <i>Journal of Biological Chemistry</i> , 1999, 274, 20561-20568. | 1.6 | 143 |
| 12 | Calcium-sensing receptor antagonists abrogate airway hyperresponsiveness and inflammation in allergic asthma. <i>Science Translational Medicine</i> , 2015, 7, 284ra60. | 5.8 | 142 |
| 13 | Identification and localization of extracellular Ca ²⁺ -sensing receptor in rat intestine. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 274, G122-G130. | 1.6 | 132 |
| 14 | 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 |
| 15 | Calcium sensing receptor signalling in physiology and cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1732-1744. | 1.9 | 123 |
| 16 | Cellular localization of divalent metal transporter DMT-1 in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, F803-F814. | 1.3 | 122 |
| 17 | Localization and function of the renal calcium-sensing receptor. <i>Nature Reviews Nephrology</i> , 2016, 12, 414-425. | 4.1 | 107 |
| 18 | Functional, Molecular, and Biochemical Characterization of Streptozotocin-Induced Diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2001, 12, 779-790. | 3.0 | 103 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | Regulation of axonal and dendritic growth by the extracellular calcium-sensing receptor. <i>Nature Neuroscience</i> , 2008, 11, 285-291. | 7.1 | 97 |
| 21 | 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 |
| 22 | Extracellular calcium antagonizes forskolin-induced aquaporin 2 trafficking in collecting duct cells. <i>Kidney International</i> , 2004, 66, 2245-2255. | 2.6 | 90 |
| 23 | Aminoglycosides Increase Intracellular Calcium Levels and ERK Activity in Proximal Tubular OK Cells Expressing the Extracellular Calcium-Sensing Receptor. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 1481-1489. | 3.0 | 87 |
| 24 | Regulation of the Epithelial Sodium Channel by N4WBP5A, a Novel Nedd4/Nedd4-2-interacting Protein. <i>Journal of Biological Chemistry</i> , 2002, 277, 29406-29416. | 1.6 | 85 |
| 25 | Activation of the Ca ²⁺ -sensing receptor stimulates the activity of the epithelial Ca ²⁺ channel TRPV5. <i>Cell Calcium</i> , 2009, 45, 331-339. | 1.1 | 82 |
| 26 | In vivo characterization of renal iron transport in the anaesthetized rat. <i>Journal of Physiology</i> , 2000, 524, 581-586. | 1.3 | 80 |
| 27 | Hydrogen Sulfide Inhibits Human BKCa Channels. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 65-72. | 0.8 | 73 |
| 28 | The vascular Ca ²⁺ -sensing receptor regulates blood vessel tone and blood pressure. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C193-C204. | 2.1 | 73 |
| 29 | 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 |
| 30 | Extracellular calcium sensing receptor in human pancreatic cells. <i>Gut</i> , 2002, 51, 705-711. | 6.1 | 70 |
| 31 | Aminoglycoside antibiotics induce pH-sensitive activation of the calcium-sensing receptor. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 71-77. | 1.0 | 65 |
| 32 | Dietary phosphate and parathyroid hormone alter the expression of the calcium-sensing receptor (CaR) and the Na ⁺ -dependent P _i transporter (NaPi-2) in the rat proximal tubule. <i>Pflügers Archiv European Journal of Physiology</i> , 2000, 441, 379-387. | 1.3 | 59 |
| 33 | New concepts in calcium-sensing receptor pharmacology and signalling. <i>British Journal of Pharmacology</i> , 2012, 165, 35-48. | 2.7 | 59 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | A New Method to Investigate How Mechanical Loading of Osteocytes Controls Osteoblasts. <i>Frontiers in Endocrinology</i> , 2014, 5, 208. | 1.5 | 51 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | The extracellular calcium-sensing receptor regulates human fetal lung development via CFTR. <i>Scientific Reports</i> , 2016, 6, 21975. | 1.6 | 47 |
| 43 | Renal physiology of the extracellular calcium-sensing receptor. <i>Pflügers Archiv European Journal of Physiology</i> , 2002, 445, 169-176. | 1.3 | 46 |
| 44 | Purinergic signaling in the pulmonary neuroepithelial body microenvironment unraveled by live cell imaging. <i>FASEB Journal</i> , 2009, 23, 1153-1160. | 0.2 | 45 |
| 45 | 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 |
| 46 | Altered dietary iron intake is a strong modulator of renal DMT1 expression. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, F1050-F1059. | 1.3 | 43 |
| 47 | Cysteine residue 911 in C-terminal tail of human BKCa 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 |
| 48 | Regulation of mouse lung development by the extracellular calcium-sensing receptor, CaR. <i>Journal of Physiology</i> , 2008, 586, 6007-6019. | 1.3 | 38 |
| 49 | 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 |
| 50 | A Single Nucleotide Polymorphism Alters the Activity of the Renal Na ⁺ /Cl ⁻ 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 |
| 51 | Novel regulatory aspects of the extracellular Ca ²⁺ -sensing receptor, CaR. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 458, 1007-1022. | 1.3 | 35 |
| 52 | 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 |
| 53 | Carbon monoxide is a rapid modulator of recombinant and native P2X ₂ ligand-gated ion channels. <i>British Journal of Pharmacology</i> , 2009, 158, 862-871. | 2.7 | 34 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | Iron handling and gene expression of the divalent metal transporter, DMT1, in the kidney of the anemic Belgrade (b) rat. <i>Kidney International</i> , 2003, 64, 1755-1764. | 2.6 | 31 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Physiological and pharmacological agonists of the extracellular Ca ²⁺ -sensing receptor. <i>European Journal of Pharmacology</i> , 2002, 447, 271-278. | 1.7 | 26 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Glutathione S-transferases as molecular markers of tumour progression and prognosis in renal cell carcinoma. <i>Histopathology</i> , 2011, 58, 180-190. | 1.6 | 24 |
| 66 | The calcium-sensing receptor: one of a kind. <i>Experimental Physiology</i> , 2015, 100, 1392-1399. | 0.9 | 24 |
| 67 | FGF23-regulated production of Fetuin-A (AHSG) in osteocytes. <i>Bone</i> , 2016, 83, 35-47. | 1.4 | 24 |
| 68 | 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 |
| 69 | Electrical activity of caudal neurosecretory neurons in seawater- and freshwater-adapted flounder: responses to cholinergic agonists. <i>Journal of Experimental Biology</i> , 2003, 206, 4011-4020. | 0.8 | 21 |
| 70 | 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 |
| 71 | 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 |
| 72 | Alveolar epithelial CNGA1 channels mediate cGMP-stimulated, amiloride-insensitive, lung liquid absorption. <i>Pflugers Archiv European Journal of Physiology</i> , 2011, 462, 267-279. | 1.3 | 15 |

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|----|--|-----|-----------|
| 73 | Enzyme-Linked Oxygen Sensing by Potassium Channels. <i>Annals of the New York Academy of Sciences</i> , 2009, 1177, 112-118. | 1.8 | 14 |
| 74 | 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 |
| 75 | Cysteine Residues in the C-terminal Tail of the Human BKCa \pm Subunit Are Important for Channel Sensitivity to Carbon Monoxide. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 49-56. | 0.8 | 14 |
| 76 | Wellcome Prize Lecture Cell surface, ion-sensing receptors. <i>Experimental Physiology</i> , 2002, 87, 403-411. | 0.9 | 13 |
| 77 | 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 |
| 78 | 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 |
| 79 | The Calcium-Sensing Receptor. , 2013, , 2187-2224. | | 11 |
| 80 | Specificity of Coupling of Muscarinic Receptor Isoforms to a Novel Chick Inward-rectifying Acetylcholine-sensitive K $+$ Channel. <i>Journal of Biological Chemistry</i> , 1996, 271, 6398-6402. | 1.6 | 10 |
| 81 | 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 |
| 82 | 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 |
| 83 | Functional Proteomics of BK Potassium Channels: Defining the Acute Oxygen Sensor. <i>Novartis Foundation Symposium</i> , 0, , 141-156. | 1.2 | 10 |
| 84 | 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 $\hat{\alpha}$ -knockout $\hat{\alpha}$ TM . <i>European Journal of Endocrinology</i> , 2013, 169, K1-K7. | 1.9 | 9 |
| 85 | Application of <i>Dolichos biflorus</i> in immunoassay detection of kidney collecting duct biomarkers. <i>Biomarkers</i> , 2010, 15, 424-435. | 0.9 | 8 |
| 86 | 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 |
| 87 | Parathyroid Hormone-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 |
| 88 | 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 |
| 89 | Antagonizing the Calcium-Sensing Receptor: Towards New Bone Anabolics?. <i>Current Molecular Pharmacology</i> , 2012, 5, 182-188. | 0.7 | 6 |
| 90 | Human calcium-sensing receptor can be suppressed by antisense sequences. <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 610-617. | 1.0 | 4 |

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|-----|---|-----|-----------|
| 91 | 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 |
| 92 | The Calcium-Sensing Receptor. , 2008, , 1785-1802. | | 2 |
| 93 | In Search of the Acute Oxygen Sensor. , 2006, , 137-146. | | 2 |
| 94 | Effects of the Polyamine Spermine on Arterial Chemoreception. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 97-104. | 0.8 | 2 |
| 95 | 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 |
| 96 | Extracellular Ca ²⁺ -Sensing Receptor and Kidney Function. <i>Growth Hormone</i> , 2003, , 69-102. | 0.2 | 1 |
| 97 | The calcium-sensing receptor as a nutrient sensor. <i>Biochemical Society Transactions</i> , 2008, 36, 1501-1501. | 1.6 | 0 |
| 98 | Cell Biology of Thiazide Bone Effects. <i>AIP Conference Proceedings</i> , 2008, , . | 0.3 | 0 |
| 99 | The Extracellular Calcium-Sensing Receptor: Molecular Features, Distribution and Its Role in Physiology and Disease. , 2000, , 165-177. | | 0 |
| 100 | Calcium: itâ€™s not just for bones!. , 2009, , 25-27. | | 0 |
| 101 | Functional expression of the extracellular Ca ²⁺ â€sensing receptor in pulmonary neuroepithelial bodies. <i>FASEB Journal</i> , 2012, 26, 894.16. | 0.2 | 0 |