Maria-Christina Zennaro

List of Publications by Year
in descending order

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121 papers	6,504 citations	57758 44 h-index	69250 77 g-index
124 all docs	124 docs citations	124 times ranked	4837 citing authors

#	Article	IF	Citations
1	Somatic mutations in ATP1A1 and ATP2B3 lead to aldosterone-producing adenomas and secondary hypertension. Nature Genetics, 2013, 45, 440-444.	21.4	460
2	Pivotal role of the mineralocorticoid receptor in corticosteroidâ€induced adipogenesis. FASEB Journal, 2007, 21, 2185-2194.	0.5	277
3	Genetic Spectrum and Clinical Correlates of Somatic Mutations in Aldosterone-Producing Adenoma. Hypertension, 2014, 64, 354-361.	2.7	248
4	Prevalence, Clinical, and Molecular Correlates of KCNJ5 Mutations in Primary Aldosteronism. Hypertension, 2012, 59, 592-598.	2.7	246
5	A Common Polymorphism in the Mineralocorticoid Receptor Modulates Stress Responsiveness. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 5083-5089.	3.6	188
6	KCNJ5 Mutations in European Families With Nonglucocorticoid Remediable Familial Hyperaldosteronism. Hypertension, 2012, 59, 235-240.	2.7	176
7	WNT/Î²-catenin signalling is activated in aldosterone-producing adenomas and controls aldosterone production. Human Molecular Genetics, 2014, 23, 889-905.	2.9	157
8	A gain-of-function mutation in the CLCN2 chloride channel gene causes primary aldosteronism. Nature Genetics, 2018, 50, 355-361.	21.4	154
9	Genetics, prevalence, screening and confirmation of primary aldosteronism: a position statement and consensus of the Working Group on Endocrine Hypertension of The European Society of Hypertension â^—. Journal of Hypertension, 2020, 38, 1919-1928.	0.5	151
10	GILZ, a new target for the transcription factor FoxO3, protects T lymphocytes from interleukin-2 withdrawalâ€“induced apoptosis. Blood, 2004, 104, 215-223.	1.4	139
11	Human Mineralocorticoid Receptor Genomic Structure and Identification of Expressed Isoforms. Journal of Biological Chemistry, 1995, 270, 21016-21020.	3.4	131
12	Characterization of Rat NDRG2 (N-Myc Downstream Regulated Gene 2), a Novel Early Mineralocorticoid-specific Induced Gene. Journal of Biological Chemistry, 2002, 277, 31506-31515.	3.4	131
13	Adrenal Cortex Remodeling and Functional Zona Glomerulosa Hyperplasia in Primary Aldosteronism. Hypertension, 2010, 56, 885-892.	2.7	128
14	Antiadipogenic Effects of the Mineralocorticoid Receptor Antagonist Drospirenone: Potential Implications for the Treatment of Metabolic Syndrome. Endocrinology, 2011, 152, 113-125.	2.8	124
15	CACNA1H Mutations Are Associated With Different Forms of Primary Aldosteronism. EBioMedicine, 2016, 13, 225-236.	6.1	119
16	Autosomal Dominant Pseudohypoaldosteronism Type 1. Journal of the American Society of Nephrology: JASN, 2006, 17, 1429-1436.	6.1	118
17	Hibernoma development in transgenic mice identifies brown adipose tissue as a novel target of aldosterone action.. Journal of Clinical Investigation, 1998, 101, 1254-1260.	8.2	118
18	Protein Inhibitor of Activated Signal Transducer and Activator of Transcription 1 Interacts with the N-Terminal Domain of Mineralocorticoid Receptor and Represses Its Transcriptional Activity: Implication of Small Ubiquitin-Related Modifier 1 Modification. Molecular Endocrinology, 2003, 17, 2529-2542.	3.7	109

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19	The role of the mineralocorticoid receptor in adipocyte biology and fat metabolism. Molecular and Cellular Endocrinology, 2012, 350, 281-288.	3.2	109
20	Alteration of Cardiac and Renal Functions in Transgenic Mice Overexpressing Human Mineralocorticoid Receptor. Journal of Biological Chemistry, 2001, 276, 38911-38920.	3.4	106
21	Brown adipocytes are novel sites of expression and regulation of adiponectin and resistin. FEBS Letters, 2002, 532, 345-350.	2.8	103
22	A New Human MR Splice Variant Is a Ligand-Independent Transactivator Modulating Corticosteroid Action. Molecular Endocrinology, 2001, 15, 1586-1598.	3.7	94
23	Mineralocorticoid and glucocorticoid receptors inhibit UCP expression and function in brown adipocytes. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E640-E649.	3.5	90
24	Genetic, Cellular, and Molecular Heterogeneity in Adrenals With Aldosterone-Producing Adenoma. Hypertension, 2020, 75, 1034-1044.	2.7	89
25	Aldosterone-Producing Adenoma Formation in the Adrenal Cortex Involves Expression of Stem/Progenitor Cell Markers. Endocrinology, 2011, 152, 4753-4763.	2.8	85
26	Different Inactivating Mutations of the Mineralocorticoid Receptor in Fourteen Families Affected by Type I Pseudohypoaldosteronism. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2508-2517.	3.6	81
27	Mineralocorticoid receptor mutations are the principal cause of renal type 1 pseudohypoaldosteronism. Human Mutation, 2007, 28, 33-40.	2.5	79
28	Simultaneous sequencing of 37 genes identified causative mutations in the majority of children with renal tubulopathies. Kidney International, 2018, 93, 961-967.	5.2	77
29	Mineralocorticoid resistance. Trends in Endocrinology and Metabolism, 2004, 15, 264-270.	7.1	75
30	Genetic Causes of Functional Adrenocortical Adenomas. Endocrine Reviews, 2017, 38, 516-537.	20.1	72
31	The mineralocorticoid receptor mediates aldosterone-induced differentiation of T37i cells into brown adipocytes. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E386-E394.	3.5	70
32	Pseudohypoaldosteronisms, report on a 10-patient series. Nephrology Dialysis Transplantation, 2008, 23, 1636-1641.	0.7	69
33	Mineralocorticoid receptors in the metabolic syndrome. Trends in Endocrinology and Metabolism, 2009, 20, 444-451.	7.1	69
34	Tissue-Specific Expression of Î± and Î² Messenger Ribonucleic Acid Isoforms of the Human Mineralocorticoid Receptor in Normal and Pathological States. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 1345-1352.	3.6	65
35	Pathogenesis and treatment of primary aldosteronism. Nature Reviews Endocrinology, 2020, 16, 578-589.	9.6	65
36	Increased Arterial Stiffness in Systemic Lupus Erythematosus (SLE) Patients at Low Risk for Cardiovascular Disease: A Cross-Sectional Controlled Study. PLoS ONE, 2014, 9, e94511.	2.5	64

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37	Task3 Potassium Channel Gene Invalidation Causes Low Renin and Salt-Sensitive Arterial Hypertension. Endocrinology, 2012, 153, 4740-4748.	2.8	63
38	Inactivating mutations of the mineralocorticoid receptor in Type I pseudohypoaldosteronism. Molecular and Cellular Endocrinology, 2004, 217, 119-125.	3.2	61
39	Characterization of the human mineralocorticoid receptor gene 5'- regulatory region: evidence for differential hormonal regulation of two alternative promoters via nonclassical mechanisms. Molecular Endocrinology, 1996, 10, 1549-1560.	3.7	61
40	Aldosterone resistance: Structural and functional considerations and new perspectives. Molecular and Cellular Endocrinology, 2012, 350, 206-215.	3.2	60
41	Tissue-Specific Expression of Â and Â Messenger Ribonucleic Acid Isoforms of the Human Mineralocorticoid Receptor in Normal and Pathological States. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 1345-1352.	3.6	59
42	An update on novel mechanisms of primary aldosteronism. Journal of Endocrinology, 2015, 224, R63-R77.	2.6	56
43	Different Somatic Mutations in Multinodular Adrenals With Aldosterone-Producing Adenoma. Hypertension, 2015, 66, 1014-1022.	2.7	55
44	SFE/SFHTA/AFCE primary aldosteronism consensus: Introduction and handbook. Annales D'Endocrinologie, 2016, 77, 179-186.	1.4	50
45	The Functional c.-2G>C Variant of the Mineralocorticoid Receptor Modulates Blood Pressure, Renin, and Aldosterone Levels. Hypertension, 2010, 56, 995-1002.	2.7	46
46	Targeted Oncogenesis Reveals a Distinct Tissue-specific Utilization of Alternative Promoters of the Human Mineralocorticoid Receptor Gene in Transgenic Mice. Journal of Biological Chemistry, 2000, 275, 7878-7886.	3.4	44
47	Asymptomatic myocardial ischemic disease in antiphospholipid syndrome: A controlled cardiac magnetic resonance imaging study. Arthritis and Rheumatism, 2010, 62, 2093-2100.	6.7	43
48	Somatic and inherited mutations in primary aldosteronism. Journal of Molecular Endocrinology, 2017, 59, R47-R63.	2.5	42
49	Expression and function of the human mineralocorticoid receptor: lessons from transgenic mouse models. Molecular and Cellular Endocrinology, 2004, 217, 127-136.	3.2	41
50	Analysis of Insulin Sensitivity in Adipose Tissue of Patients with Primary Aldosteronism. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 4037-4042.	3.6	40
51	No alteration in the primary structure of the mineralocorticoid receptor in a family with pseudohypoaldosteronism. Journal of Clinical Endocrinology and Metabolism, 1994, 79, 32-38.	3.6	40
52	30 YEARS OF THE MINERALOCORTICOID RECEPTOR: Mineralocorticoid receptor mutations. Journal of Endocrinology, 2017, 234, T93-T106.	2.6	39
53	KCNJ5 mutations in aldosterone producing adenoma and relationship with adrenal cortex remodeling. Molecular and Cellular Endocrinology, 2013, 371, 221-227.	3.2	38
54	New Naturally Occurring Missense Mutations of the Human Mineralocorticoid Receptor Disclose Important Residues Involved in Dynamic Interactions with Deoxyribonucleic Acid, Intracellular Trafficking, and Ligand Binding. Molecular Endocrinology, 2004, 18, 2151-2165.	3.7	37

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55	Somatic mutations of GNA11 and GNAQ in CTNNB1-mutant aldosterone-producing adenomas presenting in puberty, pregnancy or menopause. Nature Genetics, 2021, 53, 1360-1372.	21.4	37
56	A homozygous missense mutation in SCNN1A is responsible for a transient neonatal form of pseudohypoaldosteronism type 1. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E467-E473.	3.5	35
57	Mineralocorticoid Receptor Mutations and a Severe Recessive Pseudohypoaldosteronism Type 1. Journal of the American Society of Nephrology: JASN, 2011, 22, 1997-2003.	6.1	33
58	Pathogenesis of hypertension in a mouse model for human CLCN2 related hyperaldosteronism. Nature Communications, 2019, 10, 4678.	12.8	33
59	Prolactin potentiates insulin-stimulated leptin expression and release from differentiated brown adipocytes. Journal of Molecular Endocrinology, 2004, 33, 679-691.	2.5	32
60	Inherited forms of mineralocorticoid hypertension. Best Practice and Research in Clinical Endocrinology and Metabolism, 2015, 29, 633-645.	4.7	32
61	Mast Cell Hyperplasia Is Associated With Aldosterone Hypersecretion in a Subset of Aldosterone-Producing Adenomas. Journal of Clinical Endocrinology and Metabolism, 2015, 100, E550-E560.	3.6	32
62	Aldosterone-Producing Adenoma With a Somatic KCNJ5 Mutation Revealing APC-Dependent Familial Adenomatous Polyposis. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 3874-3878.	3.6	32
63	A New Human MR Splice Variant Is a Ligand-Independent Transactivator Modulating Corticosteroid Action. Molecular Endocrinology, 2001, 15, 1586-1598.	3.7	32
64	Mineralocorticoid Receptor Mutations Differentially Affect Individual Gene Expression Profiles in Pseudohypoaldosteronism Type 1. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E519-E527.	3.6	30
65	Local Control of Aldosterone Production and Primary Aldosteronism. Trends in Endocrinology and Metabolism, 2016, 27, 123-131.	7.1	29
66	Cardiovascular Effects of Aldosterone. Circulation: Cardiovascular Genetics, 2013, 6, 381-390.	5.1	27
67	A network perspective on metabolic inconsistency. BMC Systems Biology, 2012, 6, 41.	3.0	26
68	Genetics in endocrinology: Genetics of mineralocorticoid excess: an update for clinicians. European Journal of Endocrinology, 2013, 169, R15-R25.	3.7	26
69	Progesterone increase counteracts aldosterone action in a pregnant woman with primary aldosteronism. Clinical Endocrinology, 2011, 74, 278-279.	2.4	25
70	Functional histopathological markers of aldosterone producing adenoma and somatic KCNJ5 mutations. Molecular and Cellular Endocrinology, 2015, 408, 220-226.	3.2	23
71	Dkk3 is a component of the genetic circuitry regulating aldosterone biosynthesis in the adrenal cortex. Human Molecular Genetics, 2012, 21, 4922-4929.	2.9	22
72	Integrating Genetics and Genomics in Primary Aldosteronism. Hypertension, 2012, 60, 580-588.	2.7	22

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73	Diastrophic Dysplasia Sulfate Transporter (SLC26A2) Is Expressed in the Adrenal Cortex and Regulates Aldosterone Secretion. Hypertension, 2014, 63, 1102-1109.	2.7	21
74	Overweight Is a Major Contributor to Atherosclerosis in Systemic Lupus Erythematosus Patients at Apparent Low Risk for Cardiovascular Disease. Medicine (United States), 2015, 94, e2177.	1.0	21
75	Paracrine control of steroidogenesis by serotonin in adrenocortical neoplasms. Molecular and Cellular Endocrinology, 2015, 408, 198-204.	3.2	21
76	Molecular and Cellular Mechanisms of Aldosterone Producing Adenoma Development. Frontiers in Endocrinology, 2015, 6, 95.	3.5	20
77	Genetic and Genomic Mechanisms of Primary Aldosteronism. Trends in Molecular Medicine, 2020, 26, 819-832.	6.7	20
78	The Mineralocorticoid Receptor in Endothelial Physiology and Disease: Novel Concepts in the Understanding of Erectile Dysfunction. Current Pharmaceutical Design, 2008, 14, 3749-3757.	1.9	19
79	Bilateral Idiopathic Adrenal Hyperplasia: Genetics and Beyond. Hormone and Metabolic Research, 2015, 47, 947-952.	1.5	19
80	Pseudohypoaldosteronism and mineralocorticoid receptor abnormalities. Journal of Steroid Biochemistry and Molecular Biology, 1991, 40, 363-365.	2.5	18
81	Corticosteroid receptors and aging. Journal of Steroid Biochemistry and Molecular Biology, 1993, 45, 191-194.	2.5	17
82	SFE/SFHTA/AFCE consensus on primary aldosteronism, part 5: Genetic diagnosis of primary aldosteronism. Annales D'Endocrinologie, 2016, 77, 214-219.	1.4	17
83	Glucocorticoid Excess in Patients with Pheochromocytoma Compared with Paraganglioma and Other Forms of Hypertension. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e3374-e3383.	3.6	17
84	Pseudohypoaldosteronism types I and II: little more than a name in common. Journal of Pediatric Endocrinology and Metabolism, 2017, 30, 597-601.	0.9	17
85	Mutations in KCNJ5 Gene Cause Hyperaldosteronism. Circulation Research, 2011, 108, 1417-1418.	4.5	16
86	Transgenic mouse models to study human mineralocorticoid receptor function in vivo. Kidney International, 2000, 57, 1299-1306.	5.2	15
87	Enhancement of Î²-adrenergic cAMP-signaling by the mineralocorticoid receptor. Molecular and Cellular Endocrinology, 2005, 231, 23-31.	3.2	15
88	Syndromes of glucocorticoid and mineralocorticoid resistance. European Journal of Endocrinology, 1998, 139, 127-138.	3.7	14
89	Mineralocorticoid resistance. Steroids, 1996, 61, 189-192.	1.8	13
90	Old and new genes in primary aldosteronism. Best Practice and Research in Clinical Endocrinology and Metabolism, 2020, 34, 101375.	4.7	13

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91	Molecular characterization of the mineralocorticoid receptor in pseudohypoaldosteronism. Steroids, 1995, 60, 164-167.	1.8	12
92	MicroRNA-204 Is Necessary for Aldosterone-Stimulated T-Type Calcium Channel Expression in Cardiomyocytes. International Journal of Molecular Sciences, 2018, 19, 2941.	4.1	11
93	Activation of the Hypothalamic-Pituitary-Adrenal Axis in Adults With Mineralocorticoid Receptor Haploinsufficiency. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1586-E1591.	3.6	10
94	Retinoic acid receptor Î± as a novel contributor to adrenal cortex structure and function through interactions with Wnt and Vegfa signalling. Scientific Reports, 2019, 9, 14677.	3.3	10
95	Regulation of aldosterone receptors in hypertension. Steroids, 1993, 58, 611-613.	1.8	9
96	Tubular Disorders of Electrolyte Regulation. , 2009, , 929-977.		9
97	Renin-aldosterone system evaluation over four decades in an extended family with autosomal dominant pseudohypoaldosteronism due to a deletion in the NR3C2 gene. Journal of Steroid Biochemistry and Molecular Biology, 2020, 204, 105755.	2.5	8
98	Pseudohypoaldosteronism type 1: Management issues. Indian Pediatrics, 2013, 50, 331-333.	0.4	7
99	Potential role of progestogens in the control of adipose tissue and salt sensitivity via interaction with the mineralocorticoid receptor. Climacteric, 2008, 11, 258-264.	2.4	6
100	Overview of aldosterone-related genetic syndromes and recent advances. Current Opinion in Endocrinology, Diabetes and Obesity, 2018, 25, 147-154.	2.3	6
101	Circulating microRNAs as Diagnostic Markers in Primary Aldosteronism. Cancers, 2021, 13, 5312.	3.7	6
102	Pseudohypoaldosteronism: Evaluation of type I receptors by radioreceptor assay and by antireceptor antibodies. Steroids, 1995, 60, 161-163.	1.8	5
103	Mineralocorticoid receptor isoforms. Current Opinion in Endocrinology, Diabetes and Obesity, 1998, 5, 183-188.	0.6	5
104	Molecular genetics of Conn adenomas in the era of exome analysis. Presse Medicale, 2018, 47, e151-e158.	1.9	5
105	Colocalization of Wnt/Î²-Catenin and ACTH Signaling Pathways and Paracrine Regulation in Aldosterone-producing Adenoma. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 419-434.	3.6	5
106	Pseudohypoaldosteronism type 1: the index case revisited. Clinical Endocrinology, 2011, 74, 408-410.	2.4	4
107	30 YEARS OF THE MINERALOCORTICOID RECEPTOR: The scientific impact of cloning the mineralocorticoid receptor: 30 years on. Journal of Endocrinology, 2017, 234, E3-E6.	2.6	4
108	Molecular mechanisms in primary aldosteronism. Journal of Endocrinology, 2019, 242, R67-R79.	2.6	4

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109	Primary Aldosteronism Takes (KCNJ)Five!. Endocrinology, 2012, 153, 1575-1577.	2.8	2
110	From Transcripts to Proteins. Hypertension, 2019, 73, 284-285.	2.7	2
111	Renal Tubular Disorders of Electrolyte Regulation in Children. , 2016, , 1201-1271.		2
112	A Homozygous Missense Mutation in SCNN1A Is Responsible for a Transient Form of Pseudohypoaldosteronism Type 1. , 2011, , P2-740-P2-740.		1
113	Progress in Primary Aldosteronism 2. Hormone and Metabolic Research, 2012, 44, 155-156.	1.5	0
114	CO-33: Different somatic mutations in multinodular adrenals with aldosterone-producing adenoma. Annales De Cardiologie Et D'Angeiologie, 2015, 64, S16.	0.6	0
115	[OP.3A.02] RETINOIC ACID RECEPTOR SIGNALING CONTRIBUTES TO ADRENAL CORTEX MORPHOLOGY AND FUNCTIONAL ZONATION. Journal of Hypertension, 2016, 34, e26.	0.5	0
116	[OP.LB01.12] CACNA1H MUTATIONS ARE ASSOCIATED WITH YOUNG ONSET AND FAMILIAL FORMS OF PRIMARY ALDOSTERONISM. Journal of Hypertension, 2016, 34, e39.	0.5	0
117	Germline and somatic genetic basis of primary aldosteronism. Current Opinion in Endocrine and Metabolic Research, 2019, 8, 160-166.	1.4	0
118	Mineralocorticoid Receptor, Natural Mutations of. , 2003, , 691-695.		0
119	Aldosterone Receptors. , 2004, , 158-163.		0
120	From Genetic Abnormalities to Pathophysiological Mechanisms. , 2014, , 53-74.		0
121	Renal Tubular Disorders of Electrolyte Regulation in Children. , 2015, , 1-80.		0