Riccardo Zucchi

List of Publications by Citations

99 papers	2,700 citations	30 h-index	48 g-index
102 ext. papers	3,094 ext. citations	5.7 avg, IF	5.15 L-index

#	Paper	IF	Citations
99	3-Iodothyronamine is an endogenous and rapid-acting derivative of thyroid hormone. *Nature Medicine*, **2004**, 10, 638-42	50.5	365
98	Cardiac effects of 3-iodothyronamine: a new aminergic system modulating cardiac function. *FASEB Journal*, **2007**, 21, 1597-608	0.9	109
97	Tissue distribution and cardiac metabolism of 3-iodothyronamine. *Endocrinology*, **2010**, 151, 5063-73	4.8	99
96	Effect of ghrelin and synthetic growth hormone secretagogues in normal and ischemic rat heart. *Basic Research in Cardiology*, **2003**, 98, 401-5	11.8	91
95	Triiodothyronine prevents cardiac ischemia/reperfusion mitochondrial impairment and cell loss by regulating miR30a/p53 axis. *Endocrinology*, **2014**, 155, 4581-90	4.8	90
94	Left-ventricular remodeling after myocardial infarction is associated with a cardiomyocyte-specific hypothyroid condition. *Endocrinology*, **2011**, 152, 669-79	4.8	78
93	Cardiac toxicity of antineoplastic anthracyclines. *Anti-Cancer Agents in Medicinal Chemistry*, **2003**, 3, 151-71		77
92	Sarcoplasmic reticulum function in the "stunned" myocardium. *Journal of Molecular and Cellular Cardiology*, **1989**, 21, 1063-72	5.8	64
91	The Case for TAAR1 as a Modulator of Central Nervous System Function. *Frontiers in Pharmacology*, **2017**, 8, 987	5.6	60
90	Update on 3-iodothyronamine and its neurological and metabolic actions. *Frontiers in Physiology*, **2014**, 5, 402	4.6	58
89	Antiarrhythmic effects of omega-3 fatty acids: from epidemiology to bedside. *American Heart Journal*, **2003**, 146, 420-30	4.9	57
88	Thyronamines and Derivatives: Physiological Relevance, Pharmacological Actions, and Future Research Directions. *Thyroid*, **2016**, 26, 1656-1673	6.2	56
87	Pharmacological effects of 3-iodothyronamine (T1AM) in mice include facilitation of memory acquisition and retention and reduction of pain threshold. *British Journal of Pharmacology*, **2013**, 168, 354-62	8.6	52
86	Detection of 3-iodothyronamine in human patients: a preliminary study. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, E69-74	5.6	51
85	Postischemic changes in cardiac sarcoplasmic reticulum Ca2+ channels. A possible mechanism of ischemic preconditioning. *Circulation Research*, **1995**, 76, 1049-56	15.7	51
84	Cardiac effects of trace amines: pharmacological characterization of trace amine-associated receptors. *European Journal of Pharmacology*, **2008**, 587, 231-6	5.3	50
83	ACE2 in the Era of SARS-CoV-2: Controversies and Novel Perspectives. *Frontiers in Molecular Biosciences*, **2020**, 7, 588618	5.6	49

82	Distribution of exogenous [125I]-3-iodothyronamine in mouse in vivo: relationship with trace amine-associated receptors. *Journal of Endocrinology*, **2012**, 213, 223-30	4.7	48
81	3-Iodothyronamine: a modulator of the hypothalamus-pancreas-thyroid axes in mice. *British Journal of Pharmacology*, **2012**, 166, 650-8	8.6	46
80	Low-dose T replacement restores depressed cardiac T levels, preserves coronary microvasculature and attenuates cardiac dysfunction in experimental diabetes mellitus. *Molecular Medicine*, **2014**, 20, 302-12	6.2	42
79	Protection of ischemic rat heart by dantrolene, an antagonist of the sarcoplasmic reticulum calcium release channel. *Basic Research in Cardiology*, **2000**, 95, 137-43	11.8	39
78	Biosynthesis of 3-iodothyronamine (T1AM) is dependent on the sodium-iodide symporter and thyroperoxidase but does not involve extrathyroidal metabolism of T4. *Endocrinology*, **2012**, 153, 5659-67	4.8	37
77	Sulfhydryl redox state affects susceptibility to ischemia and sarcoplasmic reticulum Ca2+ release in rat heart. Implications for ischemic preconditioning. *Circulation Research*, **1998**, 83, 908-15	15.7	37
76	An Update on Vitamin D Metabolism. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	36
75	Cardioprotective effect of 3-iodothyronamine in perfused rat heart subjected to ischemia and reperfusion. *Cardiovascular Drugs and Therapy*, **2011**, 25, 307-13	3.9	35
74	In the brain of mice, 3-iodothyronamine (T1AM) is converted into 3-iodothyroacetic acid (TA1) and it is included within the signaling network connecting thyroid hormone metabolites with histamine. *European Journal of Pharmacology*, **2015**, 761, 130-4	5.3	32
73	Cardioprotective effect of zofenopril in perfused rat heart subjected to ischemia and reperfusion. *Journal of Cardiovascular Pharmacology*, **2004**, 43, 294-9	3.1	32
72	Trace amine-associated receptor 1: a multimodal therapeutic target for neuropsychiatric diseases. *Expert Opinion on Therapeutic Targets*, **2018**, 22, 513-526	6.4	32
71	Histamine mediates behavioural and metabolic effects of 3-iodothyroacetic acid, an endogenous end product of thyroid hormone metabolism. *British Journal of Pharmacology*, **2014**, 171, 3476-84	8.6	31
70	Design, Synthesis, and Evaluation of Thyronamine Analogues as Novel Potent Mouse Trace Amine Associated Receptor 1 (mTAAR1) Agonists. *Journal of Medicinal Chemistry*, **2015**, 58, 5096-107	8.3	31
69	Modulation of cardiac ionic homeostasis by 3-iodothyronamine. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 3082-90	5.6	30
68	Myocardial ischemic preconditioning and mitochondrial F1F0-ATPase activity. *Molecular and Cellular Biochemistry*, **2000**, 215, 31-7	4.2	30
67	Effect of Gallopamil on Cardiac Sarcoplasmic Reticulum. *Journal of Cardiovascular Pharmacology*, **1992**, 20, S11-S15	3.1	30
66	Expression of Trace Amine-Associated Receptors in Human Nasal Mucosa. *Chemosensory Perception* , **2010**, 3, 99-107	1.2	28
65	Cardiac actions of thyroid hormone metabolites. *Molecular and Cellular Endocrinology*, **2017**, 458, 76-81	4.4	25

64	Uptake and metabolic effects of 3-iodothyronamine in hepatocytes. *Journal of Endocrinology*, **2014**, 221, 101-10	4.7	24
63	New Insights into the Potential Roles of 3-Iodothyronamine (T1AM) and Newly Developed Thyronamine-Like TAAR1 Agonists in Neuroprotection. *Frontiers in Pharmacology*, **2017**, 8, 905	5.6	24
62	Metabolic Reprogramming by 3-Iodothyronamine (T1AM): A New Perspective to Reverse Obesity through Co-Regulation of Sirtuin 4 and 6 Expression. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	23
61	Restoration of cardiac tissue thyroid hormone status in experimental hypothyroidism: a dose-response study in female rats. *Endocrinology*, **2013**, 154, 2542-52	4.8	23
60	Modulation of gene expression by 3-iodothyronamine: genetic evidence for a lipolytic pattern. *PLoS ONE*, **2014**, 9, e106923	3.7	23
59	Effect of cardiac A(1) adenosine receptor overexpression on sarcoplasmic reticulum function. *Cardiovascular Research*, **2002**, 53, 326-33	9.9	21
58	Long-term physiological T3 supplementation in hypertensive heart disease in rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H1059-65	5.2	20
57	Novel thyroid hormones. *Endocrine*, **2019**, 66, 95-104	4	20
56	Cardiac effects of thyronamines. *Heart Failure Reviews*, **2010**, 15, 171-6	5	20
55	Cardioprotection by ouabain and digoxin in perfused rat hearts. *Journal of Cardiovascular Pharmacology*, **2008**, 52, 333-7	3.1	20
54	Production of ouabain-like factor in normal and ischemic rat heart. *Journal of Cardiovascular Pharmacology*, **2004**, 43, 657-62	3.1	20
53	Hypovitaminosis D in patients with heart failure: effects on functional capacity and patientsS survival. *Endocrine*, **2017**, 58, 574-581	4	19
52	Thyroid Hormone Analogues: An Update. *Thyroid*, **2020**, 30, 1099-1105	6.2	19
51	Tissue thyroid hormones and thyronamines. *Heart Failure Reviews*, **2016**, 21, 373-90	5	19
50	Metabolic profiling reveals reprogramming of lipid metabolic pathways in treatment of polycystic ovary syndrome with 3-iodothyronamine. *Physiological Reports*, **2017**, 5, e13097	2.6	18
49	Thyronamines and Analogues - The Route from Rediscovery to Translational Research on Thyronergic Amines. *Molecular and Cellular Endocrinology*, **2017**, 458, 149-155	4.4	17
48	3-iodothyroacetic acid, a metabolite of thyroid hormone, induces itch and reduces threshold to noxious and to painful heat stimuli in mice. *British Journal of Pharmacology*, **2015**, 172, 1859-68	8.6	17
47	3-Iodothyronamine metabolism and functional effects in FRTL5 thyroid cells. *Journal of Molecular Endocrinology*, **2011**, 47, 23-32	4.5	17

46	Hit-to-Lead Optimization of Mouse Trace Amine Associated Receptor 1 (mTAAR1) Agonists with a Diphenylmethane-Scaffold: Design, Synthesis, and Biological Study. *Journal of Medicinal Chemistry*, **2016**, 59, 9825-9836	8.3	17
45	Effect of Hypothyroidism and Hyperthyroidism on Tissue Thyroid Hormone Concentrations in Rat. *European Thyroid Journal*, **2016**, 5, 27-34	4.2	16
44	Thyroid hormone levels in the cerebrospinal fluid correlate with disease severity in euthyroid patients with Alzheimer's disease. *Endocrine*, **2017**, 55, 981-984	4	15
43	Assay of Endogenous 3,5-diiodo-L-thyronine (3,5-T) and 3,3'diiodo-L-thyronine (3,3'T) in Human Serum: A Feasibility Study. *Frontiers in Endocrinology*, **2019**, 10, 88	5.7	15
42	Exogenous 3-Iodothyronamine Rescues the Entorhinal Cortex from β-Amyloid Toxicity. *Thyroid*, **2020**, 30, 147-160	6.2	14
41	Recovery of 3-Iodothyronamine and Derivatives in Biological Matrixes: Problems and Pitfalls. *Thyroid*, **2017**, 27, 1323-1331	6.2	12
40	ETA receptor-mediated Ca2+ mobilisation in H9c2 cardiac cells. *Biochemical Pharmacology*, **2003**, 65, 783-93	6	12
39	Molecular Variants in Human Trace Amine-Associated Receptors and Their Implications in Mental and Metabolic Disorders. *Cellular and Molecular Neurobiology*, **2020**, 40, 239-255	4.6	12
38	3,5-Diiodo-l-Thyronine Increases Glucose Consumption in Cardiomyoblasts Without Affecting the Contractile Performance in Rat Heart. *Frontiers in Endocrinology*, **2018**, 9, 282	5.7	11
37	Effect of MEN 10755, a new disaccharide analogue of doxorubicin, on sarcoplasmic reticulum Ca(2+) handling and contractile function in rat heart. *British Journal of Pharmacology*, **2000**, 131, 342-8	8.6	11
36	S-nitrosothiol detection in isolated perfused rat heart. *Molecular and Cellular Biochemistry*, **2003**, 252, 347-51	4.2	10
35	Ca2+ channel remodeling in perfused heart: Effects of mechanical work and interventions affecting Ca2+ cycling on sarcolemmal and sarcoplasmic reticulum Ca2+ channels. *FASEB Journal*, **2002**, 16, 1976-8	0.9	10
34	Non-Functional Trace Amine-Associated Receptor 1 Variants in Patients With Mental Disorders. *Frontiers in Pharmacology*, **2019**, 10, 1027	5.6	7
33	Endogenous 3-Iodothyronamine (T1AM) and Synthetic Thyronamine-like Analog SG-2 Act as Novel Pleiotropic Neuroprotective Agents Through the Modulation of SIRT6. *Molecules*, **2020**, 25,	4.8	7
32	Interaction between gallopamil and cardiac ryanodine receptors. *British Journal of Pharmacology*, **1995**, 114, 85-92	8.6	7
31	Quantification of dehydroepiandrosterone in human serum on a routine basis: development and validation of a tandem mass spectrometry method based on a surrogate analyte. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 407-416	4.4	7
30	Effects of A1 adenosine receptor stimulation on the expression of genes involved in calcium homeostasis. *Journal of Molecular and Cellular Cardiology*, **2005**, 39, 964-71	5.8	6
29	Sweat chloride assay by inductively coupled plasma mass spectrometry: a confirmation test for cystic fibrosis diagnosis. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 6909-6916	4.4	6

28	Compound 21, a selective angiotensin II type 2 receptor agonist, downregulates lipopolysaccharide-stimulated tissue factor expression in human peripheral blood mononuclear cells. *Blood Coagulation and Fibrinolysis*, **2014**, 25, 501-6	1	5
27	Short-term effects of pressure overload on the expression of genes involved in calcium homeostasis. *Molecular and Cellular Biochemistry*, **2008**, 313, 29-36	4.2	5
26	Effect of acute and chronic zofenopril administration on cardiac gene expression. *Molecular and Cellular Biochemistry*, **2011**, 352, 301-7	4.2	4
25	LTI models for 3-iodothyronamine time dynamics: a multiscale view. *IEEE Transactions on Biomedical Engineering*, **2011**, 58, 3513-7	5	4
24	Modulation of cardiac sarcoplasmic reticulum calcium release by aenosine: a protein kinase C-dependent pathway. *Molecular and Cellular Biochemistry*, **2006**, 288, 59-64	4.2	4
23	Quantification of d-mannose in plasma: Development and validation of a reliable and accurate HPLC-MS-MS method. *Clinica Chimica Acta*, **2019**, 493, 31-35	6.2	4
22	The effect of high glucose on the inhibitory action of C21, a selective AT2R agonist, of LPS-stimulated tissue factor expression in human mononuclear cells. *Journal of Inflammation*, **2016**, 13, 14	6.7	3
21	Cardioprotection by ranolazine in perfused rat heart. *Journal of Cardiovascular Pharmacology*, **2014**, 64, 507-13	3.1	3
20	A spatial multi-scale fluorescence microscopy toolbox discloses entry checkpoints of SARS-CoV-2 variants in Vero E6 cells. *Computational and Structural Biotechnology Journal*, **2021**, 19, 6140-6156	6.8	3
19	TAM-TAAR1 signalling protects against OGD-induced synaptic dysfunction in the entorhinal cortex. *Neurobiology of Disease*, **2021**, 151, 105271	7.5	3
18	Effects of zofenopril on cardiac sarcoplasmic reticulum calcium handling. *Journal of Cardiovascular Pharmacology*, **2009**, 54, 456-63	3.1	2
17	3-Iodothyronamine favours IF1 release from FOF1 ATP synthase. *Biochimica Et Biophysica Acta - Bioenergetics*, **2010**, 1797, 29	4.6	2
16	Cardioprotection by 3-iodothyronamine, a new endogenous chemical messenger. *Journal of Molecular and Cellular Cardiology*, **2008**, 44, 773	5.8	2
15	3-Iodothyronamine affects calcium handling in rat ventricular cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2007**, 42, S21-S22	5.8	2
14	Effect of gallopamil on excitation-contraction coupling. *General Pharmacology*, **1996**, 27, 749-53		2
13	Is There a Crucial Link Between Vitamin D Status and Inflammatory Response in Patients With COVID-19?. *Frontiers in Immunology*, **2021**, 12, 745713	8.4	2
12	Non enzymatic upregulation of tissue factor expression by gamma-glutamyl transferase in human peripheral blood mononuclear cells. *Thrombosis Journal*, **2016**, 14, 45	5.6	2
11	Airways glutathione S-transferase omega-1 and its A140D polymorphism are associated with severity of inflammation and respiratory dysfunction in cystic fibrosis. *Journal of Cystic Fibrosis*, **2021**, 20, 1053-1061	4.1	2

10	Plasma N-acetylaspartate: Development and validation of a quantitative assay based on HPLC-MS-MS and sample derivatization. *Clinica Chimica Acta*, **2020**, 508, 146-153	6.2	1
9	Characterization of 3-iodothyronamine in vitro dynamics by mathematical modeling. *Cell Biochemistry and Biophysics*, **2014**, 68, 37-47	3.2	1
8	Acute infusion of recombinant human thyrotropin in Langendorff-rat hearts: role of a thyrotropin receptor. *International Journal of Cardiology*, **2010**, 144, 85-6	3.2	1
7	Role of sarcoplasmic reticulum in ischemic preconditioning. *Journal of Molecular and Cellular Cardiology*, **2000**, 32, 1757-8	5.8	1
6	Sex-related differential susceptibility to ponatinib cardiotoxicity and differential modulation of the Notch1 signalling pathway in a murine model.. *Journal of Cellular and Molecular Medicine*, **2022**,	5.6	1
5	Sodium-glucose cotransporter type 2 inhibitors prevent ponatinib-induced endothelial senescence and disfunction: A potential rescue strategy. *Vascular Pharmacology*, **2021**, 142, 106949	5.9	1
4	Modulation of Sarcoplasmic Reticulum Calcium Release as A Cardioprotective Strategy. *Progress in Experimental Cardiology*, **2003**, 505-517		1
3	Effect of Repetitive, Transient Coronary Occlusions During Percutaneous Transluminal Angioplasty on Autonomic Cardiac Control. *Annals of Noninvasive Electrocardiology*, **1997**, 2, 220-228	1.5	
2	TH Metabolism and Active TH Metabolites in the Heart **2020**, 97-107		
1	Cardiac Functional Effects of 3-iodothyronamine, a New Endogenous Thyroid Hormone Derivative **2009**, 55-65		