Alessandro Cannavo

List of Publications by Year
in descending order

65 papers	2,218 citations	172207 29 h-index	233125 45 g-index
70 all docs	70 docs citations	70 times ranked	3015 citing authors

#	Article	IF	Citations
1	Genetic Catalytic Inactivation of GRK5 Impairs Cardiac Function in Mice Via Dysregulated P53 Levels. JACC Basic To Translational Science, 2022, 7, 366-380.	1.9	6
2	Serum galectin-3 and aldosterone: potential biomarkers of cardiac complications in patients with COVID-19. Minerva Endocrinology, 2022, 47, .	0.6	8
3	Sex Differences in Cardiovascular Diseases: A Matter of Estrogens, Ceramides, and Sphingosine 1-Phosphate. International Journal of Molecular Sciences, 2022, 23, 4009.	1.8	10
4	G Protein-Coupled Receptor and Their Kinases in Cell Biology and Disease. International Journal of Molecular Sciences, 2022, 23, 5501.	1.8	2
5	Why Do We Not Assess Sympathetic Nervous System Activity in Heart Failure Management: Might GRK2 Serve as a New Biomarker?. Cells, 2021, 10, 457.	1.8	14
6	Targeting GRK5 for Treating Chronic Degenerative Diseases. International Journal of Molecular Sciences, 2021, 22, 1920.	1.8	12
7	GRK5â€Dependent p53 Activity Controls Basal Cardiac Function and Survival. FASEB Journal, 2021, 35, .	0.2	0
8	Infective Endocarditis: A Focus on Oral Microbiota. Microorganisms, 2021, 9, 1218.	1.6	34
9	Editorial: Molecular Mechanisms Involved in Heart Failure, Parkinsonâ€™s, and Alzheimerâ€™s Diseases. Frontiers in Molecular Biosciences, 2021, 8, 754987.	1.6	0
10	Aging is associated with cardiac autonomic nerve fiber depletion and reduced cardiac and circulating BDNF levels. Journal of Geriatric Cardiology, 2021, 18, 549-559.	0.2	1
11	Abstract P426: Inactivating Grk5 Impairs Basal Cardiac Function And Survival Via P53 Modulation. Circulation Research, 2021, 129, .	2.0	0
12	Abstract P358: Cardiac Innervation Remodeling And Impaired Brain Derived Neurotrophic Factor (bdnf) Levels In Physiological Aging Vivo Model. Circulation Research, 2021, 129, .	2.0	0
13	Is the Hitman in Cardiac Death HiddenÂinÂthe SympatheticÂNervousÂSystem Remodeling?. Journal of the American College of Cardiology, 2020, 75, 14-16.	1.2	1
14	Atrial fibrillation in the elderly: a risk factor beyond stroke. Ageing Research Reviews, 2020, 61, 101092.	5.0	26
15	Potential Bidirectional Relationship Between Periodontitis and Alzheimerâ€™s Disease. Frontiers in Physiology, 2020, 11, 683.	1.3	49
16	Abstract 340: Myocyte-borne Bdnf is Essential to Limit Post-ischemic Cardiac Injury and Dysfunction. Circulation Research, 2020, 127, .	2.0	0
17	Predisposing factors to heart failure in diabetic nephropathy: a look at the sympathetic nervous system hyperactivity. Aging Clinical and Experimental Research, 2019, 31, 321-330.	1.4	18
18	Aldosterone Jeopardizes Myocardial Insulin and Î²-Adrenergic Receptor Signaling via G Protein-Coupled Receptor Kinase 2. Frontiers in Pharmacology, 2019, 10, 888.	1.6	14

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19	Aldosterone and Myocardial Pathology. Vitamins and Hormones, 2019, 109, 387-406.	0.7	6
20	Periodontal Disease: A Risk Factor for Diabetes and Cardiovascular Disease. International Journal of Molecular Sciences, 2019, 20, 1414.	1.8	229
21	Alteration of myocardial GRK2 produces a global metabolic phenotype. JCI Insight, 2019, 4, .	2.3	13
22	GRK2 as negative modulator of NO bioavailability: Implications for cardiovascular disease. Cellular Signalling, 2018, 41, 33-40.	1.7	15
23	GRK2 as a therapeutic target for heart failure. Expert Opinion on Therapeutic Targets, 2018, 22, 75-83.	1.5	56
24	Aldosterone and Mineralocorticoid Receptor System in Cardiovascular Physiology and Pathophysiology. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-10.	1.9	46
25	Burning Redoxstats in the Brainstem. Hypertension, 2017, 69, 1019-1021.	1.3	0
26	Structure-Based Design of Highly Selective and Potent G Protein-Coupled Receptor Kinase 2 Inhibitors Based on Paroxetine. Journal of Medicinal Chemistry, 2017, 60, 3052-3069.	2.9	41
27	GRK2 Regulates Î±2-Adrenergic Receptorâ€"Dependent Catecholamine Release in Human Adrenal Chromaffin Cells. Journal of the American College of Cardiology, 2017, 69, 1515-1517.	1.2	11
28	Structural Determinants Influencing the Potency and Selectivity of Indazole-Paroxetine Hybrid G Proteinâ€"Coupled Receptor Kinase 2 Inhibitors. Molecular Pharmacology, 2017, 92, 707-717.	1.0	27
29	Î² 1 -Blockade Prevents Post-Ischemic Myocardial Decompensation Via Î² 3 AR-Dependent Protective Sphingosine-1 Phosphate Signaling. Journal of the American College of Cardiology, 2017, 70, 182-192.	1.2	37
30	Sphingosine Kinases and Sphingosine 1-Phosphate Receptors: Signaling and Actions in the Cardiovascular System. Frontiers in Pharmacology, 2017, 8, 556.	1.6	80
31	microRNA in Cardiovascular Aging and Age-Related Cardiovascular Diseases. Frontiers in Medicine, 2017, 4, 74.	1.2	80
32	Targeting Î²3-Adrenergic Receptors in the Heart: Selective Agonism and Î²-Blockade. Journal of Cardiovascular Pharmacology, 2017, 69, 71-78.	0.8	67
33	Myocardial pathology induced by aldosterone is dependent on non-canonical activities of G protein-coupled receptor kinases. Nature Communications, 2016, 7, 10877.	5.8	56
34	Structure-Based Design, Synthesis, and Biological Evaluation of Highly Selective and Potent G Protein-Coupled Receptor Kinase 2 Inhibitors. Journal of Medicinal Chemistry, 2016, 59, 3793-3807.	2.9	53
35	G-Protein-Coupled Receptors and Their Kinases in Cardiac Regulation. Methods in Pharmacology and Toxicology, 2016, , 271-281.	0.1	0
36	Impact of aging on cardiac sympathetic innervation measured by 123I-mIBG imaging in patients with systolic heart failure. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2392-2400.	3.3	33

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37	Â Adrenergic Receptor Kinase C-Terminal Peptide Gene-Therapy Improves Â2-Adrenergic Receptor-Dependent Neoangiogenesis after Hindlimb Ischemia. Journal of Pharmacology and Experimental Therapeutics, 2016, 356, 503-513.	1.3	13
38	Prognostic Value of Lymphocyte G Protein-Coupled Receptor Kinase-2 Protein Levels in Patients With Heart Failure. Circulation Research, 2016, 118, 1116-1124.	2.0	38
39	Increased Epicardial Adipose Tissue Volume Correlates With Cardiac Sympathetic Denervation in Patients With Heart Failure. Circulation Research, 2016, 118, 1244-1253.	2.0	74
40	GRK2 compromises cardiomyocyte mitochondrial function by diminishing fatty acid-mediated oxygen consumption and increasing superoxide levels. Journal of Molecular and Cellular Cardiology, 2015, 89, 360-364.	0.9	51
41	Eating Away at Heart Failureâˆ—. Journal of the American College of Cardiology, 2015, 66, 2534-2535.	1.2	2
42	Impact of diabetes mellitus on lymphocyte <scp>GRK</scp>2 protein levels in patients with heart failure. European Journal of Clinical Investigation, 2015, 45, 187-195.	1.7	25
43	Chronic Î²1-adrenergic blockade enhances myocardial Î²3-adrenergic coupling with nitric oxide-cGMP signaling in a canine model of chronic volume overload: new insight into mechanisms of cardiac benefit with selective Î²1-blocker therapy. Basic Research in Cardiology, 2015, 110, 456.	2.5	43
44	Crystal Structure of G Protein-coupled Receptor Kinase 5 in Complex with a Rationally Designed Inhibitor. Journal of Biological Chemistry, 2015, 290, 20649-20659.	1.6	39
45	Differential Role of G Proteinâ€"Coupled Receptor Kinase 5 in Physiological Versus Pathological Cardiac Hypertrophy. Circulation Research, 2015, 117, 1001-1012.	2.0	27
46	The Adrenergic System of the Myocardium. , 2015, , 13-24.		0
47	Identification and Characterization of Amlexanox as a G Protein-Coupled Receptor Kinase 5 Inhibitor. Molecules, 2014, 19, 16937-16949.	1.7	42
48	Negative Impact of Î²-Arrestin-1 on Post-Myocardial Infarction Heart Failure via Cardiac and Adrenal-Dependent Neurohormonal Mechanisms. Hypertension, 2014, 63, 404-412.	1.3	102
49	Changes of plasma norepinephrine and serum N-terminal pro-brain natriuretic peptide after exercise training predict survival in patients with heart failure. International Journal of Cardiology, 2014, 171, 384-389.	0.8	15
50	Reduction of lymphocyte G protein-coupled receptor kinase-2 (GRK2) after exercise training predicts survival in patients with heart failure. European Journal of Preventive Cardiology, 2014, 21, 4-11.	0.8	71
51	Abstract 13888: Long-term Intermittent Fasting Treatment Improves Cardiac Function and Inotropic Reserve by Restoration of Cardiac Beta-adrenergic Signaling in an Experimental Model of Chronic Heart Failure. Circulation, 2014, 130, .	1.6	0
52	Prothymosin alpha protects cardiomyocytes against ischemia-induced apoptosis via preservation of Akt activation. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 1252-1261.	2.2	30
53	Molecular aspects of the cardioprotective effect of exercise in the elderly. Aging Clinical and Experimental Research, 2013, 25, 487-497.	1.4	31
54	Î²-Adrenergic Receptors and G Protein-Coupled Receptor Kinase-2 in Alzheimer's Disease: A New Paradigm for Prognosis and Therapy?. Journal of Alzheimer's Disease, 2013, 34, 341-347.	1.2	31

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55	Risk of acute myocardial infarction after transurethral resection of prostate in elderly. BMC Surgery, 2013, 13, S35.	0.6	15
56	GRK2 blockade with Î²ARKct is essential for cardiac Î²2-adrenergic receptor signaling towards increased contractility. Cell Communication and Signaling, 2013, 11, 64.	2.7	63
57	Vascular Endothelial Growth Factor Blockade Prevents the Beneficial Effects of Î²-Blocker Therapy on Cardiac Function, Angiogenesis, and Remodeling in Heart Failure. Circulation: Heart Failure, 2013, 6, 1259-1267.	1.6	49
58	Targeting cardiac Î²-adrenergic signaling via GRK2 inhibition for heart failure therapy. Frontiers in Physiology, 2013, 4, 264.	1.3	95
59	Genetic Deletion of Uncoupling Protein 3 Exaggerates Apoptotic Cell Death in the Ischemic Heart Leading to Heart Failure. Journal of the American Heart Association, 2013, 2, e000086.	1.6	50
60	Î² ₁ -Adrenergic Receptor and Sphingosine-1-Phosphate Receptor 1 (S1PR1) Reciprocal Downregulation Influences Cardiac Hypertrophic Response and Progression to Heart Failure. Circulation, 2013, 128, 1612-1622.	1.6	69
61	Gene therapy for heart disease: molecular targets, vectors and modes of delivery to myocardium. Expert Review of Cardiovascular Therapy, 2013, 11, 999-1013.	0.6	7
62	Blockade of Î²â€‘adrenoceptors restores the GRK2â€‘mediated adrenal Î±₂â€‘adrenoceptorâ€"catecholamine production axis in heart failure. British Journal of Pharmacology, 2012, 166, 2430-2440.	2.7	59
63	Novel missense mutations and unexpected multiple changes of RYR1 gene in 75 malignant hyperthermia families. Clinical Genetics, 2011, 79, 438-447.	1.0	34
64	EGFR trans-activation by urotensin II receptor is mediated by Î²-arrestin recruitment and confers cardioprotection in pressure overload-induced cardiac hypertrophy. Basic Research in Cardiology, 2011, 106, 577-589.	2.5	68
65	Induction of Mitogen-Activated Protein Kinases Is Proportional to the Amount of Pressure Overload. Hypertension, 2010, 55, 137-143.	1.3	24