

Ralf Gilsbach

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,942
citations

27
h-index

43
g-index

72
ext. papers

2,501
ext. citations

8.7
avg, IF

4.46
L-index

#	Paper	IF	Citations
65	Dynamic DNA methylation orchestrates cardiomyocyte development, maturation and disease. <i>Nature Communications</i> , 2014 , 5, 5288	17.4	202
64	Comparison of in vitro and in vivo reference genes for internal standardization of real-time PCR data. <i>BioTechniques</i> , 2006 , 40, 173-7	2.5	116
63	Distinct epigenetic programs regulate cardiac myocyte development and disease in the human heart in vivo. <i>Nature Communications</i> , 2018 , 9, 391	17.4	115
62	Ablation of mineralocorticoid receptors in myocytes but not in fibroblasts preserves cardiac function. <i>Hypertension</i> , 2011 , 57, 746-54	8.5	106
61	Alpha2-adrenoceptor subtypes--unexpected functions for receptors and ligands derived from gene-targeted mouse models. <i>Neurochemistry International</i> , 2007 , 51, 277-81	4.4	88
60	MOF Acetyl Transferase Regulates Transcription and Respiration in Mitochondria. <i>Cell</i> , 2016 , 167, 722-736	23.8	2385
59	Galaxy HiCExplorer: a web server for reproducible Hi-C data analysis, quality control and visualization. <i>Nucleic Acids Research</i> , 2018 , 46, W11-W16	20.1	76
58	Genetic dissection of alpha2-adrenoceptor functions in adrenergic versus nonadrenergic cells. <i>Molecular Pharmacology</i> , 2009 , 75, 1160-70	4.3	65
57	Are the pharmacology and physiology of β adrenoceptors determined by β heteroreceptors and autoreceptors respectively?. <i>British Journal of Pharmacology</i> , 2012 , 165, 90-102	8.6	60
56	Deciphering the Epigenetic Code of Cardiac Myocyte Transcription. <i>Circulation Research</i> , 2015 , 117, 413-23	23.7	54
55	A Dual Noradrenergic Mechanism for the Relief of Neuropathic Allodynia by the Antidepressant Drugs Duloxetine and Amitriptyline. <i>Journal of Neuroscience</i> , 2018 , 38, 9934-9954	6.6	50
54	Increased expression of the auxiliary beta(2)-subunit of ventricular L-type Ca(2)+ channels leads to single-channel activity characteristic of heart failure. <i>PLoS ONE</i> , 2007 , 2, e292	3.7	49
53	DNA methylation signatures follow preformed chromatin compartments in cardiac myocytes. <i>Nature Communications</i> , 2017 , 8, 1667	17.4	46
52	Adrenergic Repression of the Epigenetic Reader MeCP2 Facilitates Cardiac Adaptation in Chronic Heart Failure. <i>Circulation Research</i> , 2015 , 117, 622-33	15.7	44
51	Galaxy HiCExplorer 3: a web server for reproducible Hi-C, capture Hi-C and single-cell Hi-C data analysis, quality control and visualization. <i>Nucleic Acids Research</i> , 2020 , 48, W177-W184	20.1	40
50	Induction of heart failure by minimally invasive aortic constriction in mice: reduced peroxisome proliferator-activated receptor α coactivator levels and mitochondrial dysfunction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 141, 492-500, 500.e1	1.5	37
49	Presynaptic metabotropic receptors for acetylcholine and adrenaline/noradrenaline. <i>Handbook of Experimental Pharmacology</i> , 2008 , 261-88	3.2	35

48	Heterozygous alpha 2C-adrenoceptor-deficient mice develop heart failure after transverse aortic constriction. <i>Cardiovascular Research</i> , 2007 , 75, 728-37	9.9	34
47	Epigenetics in cardiac development, function, and disease. <i>Cell and Tissue Research</i> , 2014 , 356, 585-600	4.2	33
46	Association of major depression with rare functional variants in norepinephrine transporter and serotonin1A receptor genes. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2009 , 150B, 1013-6	3.5	33
45	Deoxycorticosterone Acetate/Salt-Induced Cardiac But Not Renal Injury Is Mediated By Endothelial Mineralocorticoid Receptors Independently From Blood Pressure. <i>Hypertension</i> , 2016 , 67, 130-8	8.5	31
44	An Early mtUPR: Redistribution of the Nuclear Transcription Factor Rox1 to Mitochondria Protects against Intramitochondrial Proteotoxic Aggregates. <i>Molecular Cell</i> , 2020 , 77, 180-188.e9	17.6	30
43	Cingulate Overexpression of Mitogen-Activated Protein Kinase Phosphatase-1 as a Key Factor for Depression. <i>Biological Psychiatry</i> , 2017 , 82, 370-379	7.9	29
42	Ablation of biglycan attenuates cardiac hypertrophy and fibrosis after left ventricular pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 101, 145-155	5.8	28
41	Chronic cardiac pressure overload induces adrenal medulla hypertrophy and increased catecholamine synthesis. <i>Basic Research in Cardiology</i> , 2011 , 106, 591-602	11.8	28
40	Transgenic simulation of human heart failure-like L-type Ca ²⁺ -channels: implications for fibrosis and heart rate in mice. <i>Cardiovascular Research</i> , 2009 , 84, 396-406	9.9	28
39	Cardiac Myocyte De Novo DNA Methyltransferases 3a/3b Are Dispensable for Cardiac Function and Remodeling after Chronic Pressure Overload in Mice. <i>PLoS ONE</i> , 2015 , 10, e0131019	3.7	28
38	Neuropeptide Y in the noradrenergic neurones induces obesity and inhibits sympathetic tone in mice. <i>Acta Physiologica</i> , 2015 , 213, 902-19	5.6	24
37	REEP1 and REEP2 proteins are preferentially expressed in neuronal and neuronal-like exocytotic tissues. <i>Brain Research</i> , 2014 , 1545, 12-22	3.7	23
36	Sympathetic alpha(2)-adrenoceptors prevent cardiac hypertrophy and fibrosis in mice at baseline but not after chronic pressure overload. <i>Cardiovascular Research</i> , 2010 , 86, 432-42	9.9	23
35	Atheroprotection through SYK inhibition fails in established disease when local macrophage proliferation dominates lesion progression. <i>Basic Research in Cardiology</i> , 2016 , 111, 20	11.8	22
34	The Transcription Factor ETV1 Induces Atrial Remodeling and Arrhythmia. <i>Circulation Research</i> , 2018 , 123, 550-563	15.7	19
33	Modulation of alpha2-adrenoceptor functions by heterotrimeric Galphai protein isoforms. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 331, 35-44	4.7	19
32	Dorsal BNST β Adrenergic Receptors Produce HCN-Dependent Excitatory Actions That Initiate Anxiogenic Behaviors. <i>Journal of Neuroscience</i> , 2018 , 38, 8922-8942	6.6	19
31	Inhibition of the cardiac myocyte mineralocorticoid receptor ameliorates doxorubicin-induced cardiotoxicity. <i>Cardiovascular Research</i> , 2018 , 114, 282-290	9.9	18

30	Upregulation of soluble vascular endothelial growth factor receptor 1 contributes to angiogenesis defects in the placenta of alpha 2B-adrenoceptor deficient mice. <i>Circulation Research</i> , 2007 , 101, 682-91	15.7	18
29	β -Adrenoceptor mRNA level reveals distinctions between infantile hemangioma and vascular malformations. <i>Pediatric Research</i> , 2013 , 73, 409-13	3.2	15
28	Involvement of β -adrenoceptor subtypes A and C in glucose homeostasis and adrenaline-induced hyperglycaemia. <i>Neuroendocrinology</i> , 2012 , 96, 51-9	5.6	13
27	Cardiovascular effects of chronic treatment with a β -adrenoceptor agonist relieving neuropathic pain in mice. <i>Neuropharmacology</i> , 2011 , 61, 51-60	5.5	13
26	5-Hydroxymethylcytosine Precedes Loss of CpG Methylation in Enhancers and Genes Undergoing Activation in Cardiomyocyte Maturation. <i>PLoS ONE</i> , 2016 , 11, e0166575	3.7	13
25	Pre- versus postsynaptic signaling by β -adrenoceptors. <i>Current Topics in Membranes</i> , 2011 , 67, 139-60	2.2	11
24	The in vivo specificity of synaptic G_{α} and G_{β} subunits to the β -adrenergic receptor at CNS synapses. <i>Scientific Reports</i> , 2019 , 9, 1718	4.9	10
23	Interleukin-4 Protects Dopaminergic Neurons but Is Dispensable for MPTP-Induced Neurodegeneration. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 62	6.1	9
22	The landscape of SARS-CoV-2 RNA modifications		9
21	Congenital heart disease risk loci identified by genome-wide association study in European patients. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	9
20	Noncanonical G-protein-dependent modulation of osteoclast differentiation and bone resorption mediated by <i>Pasteurella multocida</i> toxin. <i>MBio</i> , 2014 , 5, e02190	7.8	8
19	β -Adrenergic heteroreceptors are required for stress-induced reinstatement of cocaine conditioned place preference. <i>Neuropsychopharmacology</i> , 2020 , 45, 1473-1481	8.7	7
18	α 2B-adrenoceptor deficiency leads to postnatal respiratory failure in mice. <i>Journal of Biological Chemistry</i> , 2010 , 285, 34213-9	5.4	7
17	Cooperative interactions at M2 muscarinic acetylcholine receptors: structure/activity relationships in stepwise shortened bispyridinium- and bis(ammonio)alkane-type allosteric modulators. <i>Neurochemical Research</i> , 2003 , 28, 667-73	4.6	7
16	A hierarchical regulatory network analysis of the vitamin D induced transcriptome reveals novel regulators and complete VDR dependency in monocytes. <i>Scientific Reports</i> , 2021 , 11, 6518	4.9	7
15	Sequential Defects in Cardiac Lineage Commitment and Maturation Cause Hypoplastic Left Heart Syndrome. <i>Circulation</i> , 2021 , 144, 1409-1428	16.7	6
14	Proximity to injury, but neither number of nuclei nor ploidy define pathological adaptation and plasticity in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 152, 95-104	5.8	6
13	miR-128a Acts as a Regulator in Cardiac Development by Modulating Differentiation of Cardiac Progenitor Cell Populations. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5

12	A systemic <i>Pasteurella multocida</i> toxin aggravates cardiac hypertrophy and fibrosis in mice. <i>Cellular Microbiology</i> , 2015 , 17, 1320-31	3.9	5
11	Diabetes changes gene expression but not DNA methylation in cardiac cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 151, 74-87	5.8	5
10	Reactivation of the Nkx2.5 cardiac enhancer after myocardial infarction does not presage myogenesis. <i>Cardiovascular Research</i> , 2018 , 114, 1098-1114	9.9	4
9	Gdf-15 deficiency does not alter vulnerability of nigrostriatal dopaminergic system in MPTP-intoxicated mice. <i>Cell and Tissue Research</i> , 2016 , 365, 209-23	4.2	4
8	Uncontrolled Diabetes Mellitus Has No Major Influence on the Platelet Transcriptome. <i>BioMed Research International</i> , 2018 , 2018, 8989252	3	4
7	Nuclear receptor activation shapes spatial genome organization essential for gene expression control: lessons learned from the vitamin D receptor.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	3
6	ZNF354C is a transcriptional repressor that inhibits endothelial angiogenic sprouting. <i>Scientific Reports</i> , 2020 , 10, 19079	4.9	2
5	Molecular cloning and functional expression of the murine noradrenaline transporter. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2007 , 376, 65-71	3.4	1
4	DNA topoisomerase inhibition with the HIF inhibitor acriflavine promotes transcription of lncRNAs in endothelial cells.. <i>Molecular Therapy - Nucleic Acids</i> , 2022 , 27, 1023-1035	10.7	1
3	Genome-wide association study in European patients with congenital heart disease identifies risk loci for transposition of the great arteries and anomalies of the thoracic arteries and veins and expression of discovered candidate genes in the developing heart		1
2	Specificities of Gβ subunits for the SNARE complex before and after stimulation of βadrenergic receptors.. <i>Science Signaling</i> , 2021 , 14, eabc4970	8.8	0
1	GPCR-mediated Modulation Of Synaptic Transmission. <i>FASEB Journal</i> , 2012 , 26, 665.7	0.9	