Paul R Riley

List of Publications by Year
in descending order

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		172457	144013
62 papers	4,437 citations	29 h-index	57 g-index
86 all docs	86 docs citations	86 times ranked	5302 citing authors

#	Article	IF	Citations
1	Thymosin Î²4 induces adult epicardial progenitor mobilization and neovascularization. Nature, 2007, 445, 177-182.	27.8	605
2	De novo cardiomyocytes from within the activated adult heart after injury. Nature, 2011, 474, 640-644.	27.8	602
3	Cardiomyocyte Regeneration. Circulation, 2017, 136, 680-686.	1.6	417
4	Cardiac lymphatics are heterogeneous in origin and respond to injury. Nature, 2015, 522, 62-67.	27.8	387
5	Heart regeneration and repair after myocardial infarction: translational opportunities for novel therapeutics. Nature Reviews Drug Discovery, 2017, 16, 699-717.	46.4	245
6	Macrophages directly contribute collagen to scar formation during zebrafish heart regeneration and mouse heart repair. Nature Communications, 2020, 11, 600.	12.8	216
7	The cardiac lymphatic system stimulates resolution of inflammation following myocardial infarction. Journal of Clinical Investigation, 2018, 128, 3402-3412.	8.2	180
8	The epicardium signals the way towards heart regeneration. Stem Cell Research, 2014, 13, 683-692.	0.7	91
9	Thymosin Î²4 facilitates epicardial neovascularization of the injured adult heart. Annals of the New York Academy of Sciences, 2010, 1194, 97-104.	3.8	90
10	Re-Activated Adult Epicardial Progenitor Cells Are a Heterogeneous Population Molecularly Distinct from Their Embryonic Counterparts. Stem Cells and Development, 2014, 23, 1719-1730.	2.1	86
11	Specific macrophage populations promote both cardiac scar deposition and subsequent resolution in adult zebrafish. Cardiovascular Research, 2020, 116, 1357-1371.	3.8	85
12	Heart Regeneration in the Mexican Cavefish. Cell Reports, 2018, 25, 1997-2007.e7.	6.4	81
13	Calcium handling precedes cardiac differentiation to initiate the first heartbeat. ELife, 2016, 5, .	6.0	81
14	Endothelium-derived extracellular vesicles promote splenic monocyte mobilization in myocardial infarction. JCI Insight, 2017, 2, .	5.0	75
15	The ontogeny, activation and function of the epicardium during heart development and regeneration. Development (Cambridge), 2018, 145, .	2.5	73
16	BRG1-SWI/SNF-dependent regulation of the Wt1 transcriptional landscape mediates epicardial activity during heart development and disease. Nature Communications, 2017, 8, 16034.	12.8	69
17	Vascularizing the heart. Cardiovascular Research, 2011, 91, 260-268.	3.8	55
18	Tissue-resident macrophages regulate lymphatic vessel growth and patterning in the developing heart. Development (Cambridge), 2021, 148, .	2.5	55

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19	The evolving cardiac lymphatic vasculature in development, repair and regeneration. Nature Reviews Cardiology, 2021, 18, 368-379.	13.7	52
20	Functional Heterogeneity within the Developing Zebrafish Epicardium. Developmental Cell, 2020, 52, 574-590.e6.	7.0	48
21	Mouse models of myocardial infarction: comparing permanent ligation and ischaemia-reperfusion. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	47
22	Recapitulation of developmental mechanisms to revascularize the ischemic heart. JCI Insight, 2017, 2, .	5.0	46
23	Spatiotemporal dynamics and heterogeneity of renal lymphatics in mammalian development and cystic kidney disease. ELife, 2019, 8, .	6.0	46
24	Loss of<i>Prox1</i>in striated muscle causes slow to fast skeletal muscle fiber conversion and dilated cardiomyopathy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9515-9520.	7.1	45
25	Runx1 promotes scar deposition and inhibits myocardial proliferation and survival during zebrafish heart regeneration. Development (Cambridge), 2020, 147, .	2.5	45
26	Characterisation of the human embryonic and foetal epicardium during heart development. Development (Cambridge), 2015, 142, 3630-6.	2.5	41
27	Regenerative potential of epicardium-derived extracellular vesicles mediated by conserved miRNA transfer. Cardiovascular Research, 2022, 118, 597-611.	3.8	41
28	Dynamic haematopoietic cell contribution to the developing and adult epicardium. Nature Communications, 2014, 5, 4054.	12.8	35
29	High-Resolution Magnetic Resonance Imaging of the Regenerating Adult Zebrafish Heart. Scientific Reports, 2017, 7, 2917.	3.3	34
30	Use of artificial intelligence to enhance phenotypic drug discovery. Drug Discovery Today, 2021, 26, 887-901.	6.4	30
31	Anatomy and development of the cardiac lymphatic vasculature: Its role in injury and disease. Clinical Anatomy, 2016, 29, 305-315.	2.7	28
32	Thymosin Î²4: multiple functions in protection, repair and regeneration of the mammalian heart. Expert Opinion on Biological Therapy, 2015, 15, 163-174.	3.1	27
33	An Epicardial Floor Plan for Building and Rebuilding the Mammalian Heart. Current Topics in Developmental Biology, 2012, 100, 233-251.	2.2	26
34	Loss of endogenous thymosin Î²4 accelerates glomerular disease. Kidney International, 2016, 90, 1056-1070.	5.2	26
35	Prrx1b restricts fibrosis and promotes Nrg1-dependent cardiomyocyte proliferation during zebrafish heart regeneration. Development (Cambridge), 2021, 148, .	2.5	25
36	Improving Interpretation of Cardiac Phenotypes and Enhancing Discovery With Expanded Knowledge in the Gene Ontology. Circulation Genomic and Precision Medicine, 2018, 11, e001813.	3.6	24

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37	BNC1 regulates cell heterogeneity in human pluripotent stem cell derived-epicardium. Development (Cambridge), 2019, 146, .	2.5	24
38	Mapping the developing human cardiac endothelium at single-cell resolution identifies MECOM as a regulator of arteriovenous gene expression. Cardiovascular Research, 2022, 118, 2960-2972.	3.8	24
39	Model organisms at the heart of regeneration. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	22
40	Rapid neutrophil mobilization by VCAM-1+ endothelial cell-derived extracellular vesicles. Cardiovascular Research, 2023, 119, 236-251.	3.8	22
41	Experimental limitations of extracellular vesicle-based therapies for the treatment of myocardial infarction. Trends in Cardiovascular Medicine, 2020, 31, 405-415.	4.9	16
42	The extracellular matrix protein agrin is essential for epicardial epithelial-to-mesenchymal transition during heart development. Development (Cambridge), 2021, 148, .	2.5	16
43	Immune cells in cardiac repair and regeneration. Development (Cambridge), 2022, 149, .	2.5	16
44	Hooked on heart regeneration: the zebrafish guide to recovery. Cardiovascular Research, 2022, 118, 1667-1679.	3.8	15
45	Thymosin-Î²4: A key modifier of renal disease. Expert Opinion on Biological Therapy, 2018, 18, 185-192.	3.1	14
46	iRhom2-mediated proinflammatory signalling regulates heart repair following myocardial infarction. JCI Insight, 2018, 3, .	5.0	13
47	Heart regeneration: beyond new muscle and vessels. Cardiovascular Research, 2021, 117, 727-742.	3.8	12
48	The Derivation of Primary Human Epicardiumâ€Derived Cells. Current Protocols in Stem Cell Biology, 2015, 35, 2C.5.1-2C.5.12.	3.0	11
49	Aberrant developmental titin splicing and dysregulated sarcomere length in Thymosin Î²4 knockout mice. Journal of Molecular and Cellular Cardiology, 2017, 102, 94-107.	1.9	10
50	Hopx and the Cardiomyocyte Parentage. Molecular Therapy, 2015, 23, 1420-1422.	8.2	8
51	Magnetic Resonance Imaging of the Regenerating Neonatal Mouse Heart. Circulation, 2018, 138, 2439-2441.	1.6	8
52	Lymphatic Clearance of Immune Cells in Cardiovascular Disease. Cells, 2021, 10, 2594.	4.1	7
53	A new â€œlncâ€•between non-coding RNA and cardiac regeneration. Cardiovascular Research, 2018, 114, 1569-1570.	3.8	5
54	A Refined Protocol for Coronary Artery Ligation in the Neonatal Mouse. Current Protocols, 2021, 1, e66.	2.9	3

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55	Alkaline nucleoplasm facilitates contractile gene expression in the mammalian heart. Basic Research in Cardiology, 2022, 117, 17.	5.9	3
56	Converting Scar to Muscle in the Injured Heart. Molecular Therapy, 2012, 20, 1294-1296.	8.2	1
57	Analysis of Placental Arteriovenous Formation Reveals New Insights Into Embryos With Congenital Heart Defects. Frontiers in Genetics, 2021, 12, 806136.	2.3	1
58	Aâ€…Endothelium-derived extracellular vesicles promote splenic monocyte mobilisation in myocardial infarction. Heart, 2017, 103, A150.1-A150.	2.9	0
59	Aâ€…Endothelial cell derived extracellular vesicles mediate neutrophil deployment from the spleen following acute myocardial infarction. , 2019, , .		0
60	Scientists on the Spot: Repairing and restoring the heart. Cardiovascular Research, 2021, 117, e55-e56.	3.8	0
61	Quantitative Three-Dimensional Analysis of the Lymphatic Vasculature in the Postnatal Mouse Heart. Methods in Molecular Biology, 2022, 2441, 171-181.	0.9	0
62	Three-Dimensional Visualization of Blood and Lymphatic Vessels in the Adult Zebrafish Heart by Chemical Clearing. Methods in Molecular Biology, 2022, 2475, 313-323.	0.9	0