

# Roel Späätjens

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,087  
citations

759233

12  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Downregulation of Delayed Rectifier K <sup>+</sup> Currents in Dogs With Chronic Complete Atrioventricular Block and Acquired Torsades de Pointes. <i>Circulation</i> , 1999, 100, 2455-2461.	1.6	236
2	Probing the Contribution of I <sub>Ks</sub> to Canine Ventricular Repolarization. <i>Circulation</i> , 2003, 107, 2753-2760.	1.6	230
3	Repolarizing K <sup>+</sup> Currents (I <sub>K1</sub> ) and I <sub>Ks</sub> Are Larger in Right Than Left Canine Ventricular Midmyocardium. <i>Circulation</i> , 1999, 99, 206-210.	1.6	200
4	Accumulation of slowly activating delayed rectifier potassium current (I <sub>Ks</sub> ) in canine ventricular myocytes. <i>Journal of Physiology</i> , 2003, 551, 777-786.	2.9	93
5	Electrophysiological Safety of Sertindole in Dogs with Normal and Remodeled Hearts. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 776-784.	2.5	64
6	Dominant-Negative Control of cAMP-Dependent I <sub>Ks</sub> Upregulation in Human Long-QT Syndrome Type 1. <i>Circulation Research</i> , 2012, 110, 211-219.	4.5	61
7	Temporal patterns of electrical remodeling in canine ventricular hypertrophy: Focus on I <sub>Ks</sub> downregulation and blunted β <sub>2</sub> -adrenergic activation. <i>Cardiovascular Research</i> , 2006, 72, 90-100.	3.8	54
8	Interventricular Differences in β <sub>2</sub> -Adrenergic Responses in the Canine Heart: Role of Phosphodiesterases. <i>Journal of the American Heart Association</i> , 2014, 3, e000858.	3.7	32
9	Mutation location and I <sub>Ks</sub> regulation in the arrhythmic risk of long QT syndrome type 1: the importance of the KCNQ1 S6 region. <i>European Heart Journal</i> , 2021, 42, 4743-4755.	2.2	26
10	End-diastolic myofiber stress and ejection strain increase with ventricular volume overload. <i>Basic Research in Cardiology</i> , 2005, 100, 372-382.	5.9	23
11	Molecular and electrical characterization of the canine cardiac ventricular septum. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 38, 153-161.	1.9	21
12	Impact of acute and enduring volume overload on mechanotransduction and cytoskeletal integrity of canine left ventricular myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2324-H2332.	3.2	20
13	Long-QT mutation p.K557E-Kv7.1: dominant-negative suppression of I <sub>Ks</sub> , but preserved cAMP-dependent up-regulation. <i>Cardiovascular Research</i> , 2014, 104, 216-225.	3.8	8
14	Repolarization instability and arrhythmia by I <sub>Kr</sub> block in single human-induced pluripotent stem cell-derived cardiomyocytes and 2D monolayers. <i>Europace</i> , 2020, 22, 1431-1441.	1.7	6
15	Electrophysiological and proarrhythmic parameters in transmural canine left-ventricular needle biopsies. <i>Pflügers Archiv European Journal of Physiology</i> , 2004, 449, 115-122.	2.8	4
16	Serial left-ventricular biopsy sampling using a minimally invasive trans-thoracic approach in adult dogs. <i>Pflügers Archiv European Journal of Physiology</i> , 2007, 454, 1043-1051.	2.8	4
17	Measurement of Action Potential Generation in Isolated Canine Left Ventricular Midmyocardial Myocytes. <i>Current Protocols in Pharmacology</i> , 2011, 55, Unit 10.14.1-23.	4.0	4
18	P68Cardiomyocyte cell cycle activity and function is under the control of miR-125a. <i>Cardiovascular Research</i> , 2018, 114, S18-S18.	3.8	1

#	ARTICLE	IF	CITATIONS
19	Istaroxime Accelerates Calcium Transient Decay in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Biophysical Journal</i> , 2018, 114, 306a.	0.5	0
20	P933 Novel missense variant in DPP6 in familial ventricular fibrillation. <i>Europace</i> , 2020, 22, .	1.7	0