

Stefan Dhein

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,799
citations

304743

22
h-index

265206

42
g-index

51
all docs

51
docs citations

51
times ranked

2379
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of chronic atrial fibrillation on gap junction distribution in human and rat atria. <i>Journal of the American College of Cardiology</i> , 2001, 38, 883-891.	2.8	277
2	Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications. <i>Pharmacological Reviews</i> , 2017, 69, 396-478.	16.0	191
3	Cyclic Mechanical Stretch Induces Cardiomyocyte Orientation and Polarization of the Gap Junction Protein Connexin43. <i>Circulation Research</i> , 2010, 106, 1592-1602.	4.5	158
4	Pharmacology of Gap junctions. New pharmacological targets for treatment of arrhythmia, seizure and cancer?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1719, 36-58.	2.6	117
5	Improving cardiac gap junction communication as a new antiarrhythmic mechanism: the action of antiarrhythmic peptides. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2010, 381, 221-234.	3.0	71
6	Pharmacology of gap junctions in the cardiovascular system. <i>Cardiovascular Research</i> , 2004, 62, 287-298.	3.8	69
7	Effects of mechanical forces and stretch on intercellular gap junction coupling. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 147-156.	2.6	67
8	Knock-down of endothelial connexins impairs angiogenesis. <i>Pharmacological Research</i> , 2012, 65, 347-357.	7.1	57
9	Remodeling of cardiac passive electrical properties and susceptibility to ventricular and atrial arrhythmias. <i>Frontiers in Physiology</i> , 2014, 5, 424.	2.8	57
10	Mechanical control of cell biology. Effects of cyclic mechanical stretch on cardiomyocyte cellular organization. <i>Progress in Biophysics and Molecular Biology</i> , 2014, 115, 93-102.	2.9	52
11	Local effects and mechanisms of antiarrhythmic peptide AAP10 in acute regional myocardial ischemia: electrophysiological and molecular findings. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008, 378, 459-470.	3.0	43
12	Pharmacological modulation and differential regulation of the cardiac gap junction proteins connexin 43 and connexin 40. <i>Biology of the Cell</i> , 2002, 94, 409-422.	2.0	41
13	Antiarrhythmic and electrophysiological effects of long-chain ω -3 polyunsaturated fatty acids. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2005, 371, 202-211.	3.0	41
14	Effects of the New Antiarrhythmic Peptide ZP123 on Epicardial Activation and Repolarization Pattern. <i>Cell Communication and Adhesion</i> , 2003, 10, 371-378.	1.0	39
15	Neuroprotective Strategies during Cardiac Surgery with Cardiopulmonary Bypass. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1945.	4.1	33
16	Adrenergic control of cardiac gap junction function and expression. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 331-346.	3.0	32
17	Remodeling of Cardiac Gap Junctional Cell-Cell Coupling. <i>Cells</i> , 2021, 10, 2422.	4.1	32
18	Effects of autologous bone marrow stem cell transplantation on beta-adrenoceptor density and electrical activation pattern in a rabbit model of non-ischemic heart failure. <i>Journal of Cardiothoracic Surgery</i> , 2006, 1, 17.	1.1	30

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19	Protective Effects of Pulsatile Flow During Cardiopulmonary Bypass. <i>Annals of Thoracic Surgery</i> , 2015, 99, 192-199.	1.3	30
20	Peptides Targeting Gap Junctional Structures. <i>Current Pharmaceutical Design</i> , 2010, 16, 3056-3070.	1.9	29
21	Peptides acting at gap junctions. <i>Peptides</i> , 2002, 23, 1701-1709.	2.4	27
22	Strategies for Pharmacological Organoprotection during Extracorporeal Circulation Targeting Ischemia-Reperfusion Injury. <i>Frontiers in Pharmacology</i> , 2015, 6, 296.	3.5	26
23	Sub-chronic nicotine exposure induces intercellular communication failure and differential down-regulation of connexins in cultured human endothelial cells. <i>Atherosclerosis</i> , 2008, 196, 210-218.	0.8	24
24	Nicotine effects on human endothelial intercellular communication via $\alpha 4\beta 2$ and $\alpha 3\beta 2$ nicotinic acetylcholine receptor subtypes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2012, 385, 621-632.	3.0	17
25	Heterogeneously Distributed Sensitivities to Potassium as a Cause of Hypokalemic Arrhythmias in Isolated Rabbit Hearts. <i>Journal of Cardiovascular Electrophysiology</i> , 1991, 2, 145-155.	1.7	17
26	An in vitro model for assessment of drug-induced torsade de pointes arrhythmia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008, 378, 631-644.	3.0	16
27	Reno-protective effects of epigallocatechingallate in a small piglet model of extracorporeal circulation. <i>Pharmacological Research</i> , 2013, 67, 68-78.	7.1	16
28	Epigallocatechin gallate attenuates cardiopulmonary bypass-associated lung injury. <i>Journal of Surgical Research</i> , 2016, 201, 313-325.	1.6	16
29	Epigallocatechin Gallate Reduces Ischemia/Reperfusion Injury in Isolated Perfused Rabbit Hearts. <i>International Journal of Molecular Sciences</i> , 2018, 19, 628.	4.1	16
30	Effects of minocycline on parameters of cardiovascular recovery after cardioplegic arrest in a rabbit Langendorff heart model. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 1258-1265.	1.9	15
31	On the Role of the Gap Junction Protein Cx43 (GJA1) in Human Cardiac Malformations with Fallot-Pathology. A Study on Paediatric Cardiac Specimen. <i>PLoS ONE</i> , 2014, 9, e95344.	2.5	15
32	Hippocampal Neuroprotection by Minocycline and Epigallocatechin Gallate Against Cardiopulmonary Bypass-Associated Injury. <i>Brain Pathology</i> , 2015, 25, 733-742.	4.1	14
33	Organ-protective effects on the liver and kidney by minocycline in small piglets undergoing cardiopulmonary bypass. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 663-676.	3.0	13
34	Olesoxime Inhibits Cardioplegia-Induced Ischemia/Reperfusion Injury. A Study in Langendorff-Perfused Rabbit Hearts. <i>Frontiers in Physiology</i> , 2017, 8, 324.	2.8	13
35	Effects of isoprenaline on endothelial connexins and angiogenesis in a human endothelial cell culture system. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 101-108.	3.0	9
36	Golgi Fragmentation in Human Patients with Chronic Atrial Fibrillation: A New Aspect of Remodeling. <i>Thoracic and Cardiovascular Surgeon</i> , 2019, 67, 098-106.	1.0	8

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37	Anti-oxidative or anti-inflammatory additives reduce ischemia/reperfusion injury in an animal model of cardiopulmonary bypass. Saudi Journal of Biological Sciences, 2020, 27, 18-29.	3.8	8
38	Cerebral Protection during Controlled Hypoperfusion in a Piglet Model: Comparison of Moderate (25°C) versus Deep (18°C) Hypothermia at Various Flow Rates Using Intraoperative Measurements and Ex vivo Investigation. Thoracic and Cardiovascular Surgeon, 2013, 61, 546-552.	1.0	7
39	Minimally Invasive Segmental Artery Coil Embolization for Preconditioning of the Spinal Cord Collateral Network before One-Stage Descending and Thoracoabdominal Aneurysm Repair. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2014, 9, 60-65.	0.9	7
40	Arrhythmogenic effects by local left ventricular stretch: effects of flecainide and streptomycin. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 763-775.	3.0	7
41	Autocrine Control of Angiogenesis by Endogenous Acetylcholine in an In Vitro Model Using Human Endothelial Cells. Journal of Cardiovascular Pharmacology, 2015, 65, 508-515.	1.9	7
42	Aspects of Methamphetamine Abuse in Adolescents and Young Adults in a Thuringian County. European Addiction Research, 2018, 24, 98-105.	2.4	7
43	Effects of Hypoxia and Acidosis on Cardiac Electrophysiology and Hemodynamics. Is NHE-Inhibition by Cariporide Still Advantageous?. Frontiers in Physiology, 2020, 11, 224.	2.8	7
44	Effect of Angiotensin(1-7) on Heart Function in an Experimental Rat Model of Obesity. Frontiers in Physiology, 2015, 6, 392.	2.8	6
45	Desipramine prevents cardiac gap junction uncoupling. Naunyn-Schmiedeberg's Archives of Pharmacology, 2012, 385, 1063-1075.	3.0	5
46	Reprogramming Bone Marrow Stem Cells to Functional Endothelial Cells in a Mini Pig Animal Model. Medical Science Monitor Basic Research, 2017, 23, 285-294.	2.6	5
47	Effects of β_2 -Adrenoceptor and Catechol-O-Methyl-Transferase (COMT) Polymorphism on Postoperative Outcome in Cardiac Surgery Patients. Medical Science Monitor Basic Research, 2017, 23, 223-233.	2.6	3
48	Intra-Aortic Balloon Pump Malposition Reduces Visceral Artery Perfusion in an Acute Animal Model. Artificial Organs, 2016, 40, 334-340.	1.9	2
49	Changes in causes and age of death in an eastern German county over a period of 14 years. Comparison of rural and urban populations. Focus on COPD and ischemic heart disease. Zeitschrift Fur Gesundheitswissenschaften, 2020, 29, 753.	1.6	0
50	Avoiding implantation of a cardioverter-defibrillator by bridging with wearable defibrillator vest. Herz, 2021, 46, 172-177.	1.1	0
51	The Reverse Remodeling Effect of Mesenchymal Stem Cells is Independent from the Site of Epimyocardial Cell Transplantation. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2013, 8, 433-439.	0.9	0