

Nikolaos Stergiopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

852
citations

567281

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h-index

526287

27
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41
all docs

41
docs citations

41
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	MRI after successful eyeWatch TM implantation. European Journal of Ophthalmology, 2022, 32, NP79-NP82.	1.3	6
2	Low-Intensity Electrostimulation Enhances Neuroregeneration and Improves Erectile Function in a Rat Model of Cavernous Nerve Injury. Journal of Sexual Medicine, 2022, 19, 686-696.	0.6	4
3	Follicular regulatory helper T cells control the response of regulatory B cells to a high-cholesterol diet. Cardiovascular Research, 2021, 117, 743-755.	3.8	13
4	Apelin-13 Protects Corpus Cavernosum Against Fibrosis Induced by High-Fat Diet in an MMP-Dependent Mechanism. Journal of Sexual Medicine, 2021, 18, 875-888.	0.6	8
5	In vivo application and validation of a novel noninvasive method to estimate the end-systolic elastance. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1543-H1553.	3.2	5
6	Acute and Long-Term Effects of Aortic Compliance Decrease on Central Hemodynamics: A Modeling Analysis. Frontiers in Physiology, 2021, 12, 701154.	2.8	6
7	The effect of left ventricular contractility on arterial hemodynamics: A model-based investigation. PLoS ONE, 2021, 16, e0255561.	2.5	13
8	Zinc complexation improves angiotensin II receptor type 1 blockade and <i>in vivo</i> antihypertensive activity of telmisartan. Future Medicinal Chemistry, 2021, 13, 13-23.	2.3	4
9	Standardization and Validation of Fluorescence-Based Quantitative Assay to Study Human Platelet Adhesion to Extracellular-Matrix in a 384-Well Plate. International Journal of Molecular Sciences, 2020, 21, 6539.	4.1	4
10	Acute effects of transcatheter aortic valve replacement on the ventricular-aortic interaction. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1451-H1458.	3.2	14
11	Early Morphofunctional Changes in AngII-Infused Mice Contribute to Regional Onset of Aortic Aneurysm and Dissection. Journal of Vascular Research, 2020, 57, 367-375.	1.4	4
12	Flow driven robotic navigation of microengineered endovascular probes. Nature Communications, 2020, 11, 6356.	12.8	58
13	Comparison Between the eyeWatch Device and the Ahmed Valve in Refractory Glaucoma. Journal of Glaucoma, 2020, 29, 401-405.	1.6	9
14	Cardiotrophin-1 Deficiency Abrogates Atherosclerosis Progression. Scientific Reports, 2020, 10, 5791.	3.3	9
15	Experimental Drainage Device to Reduce Lymphoedema in a Rat Model. European Journal of Vascular and Endovascular Surgery, 2019, 57, 859-867.	1.5	13
16	Synchrotron-based visualization and segmentation of elastic lamellae in the mouse carotid artery during quasi-static pressure inflation. Journal of the Royal Society Interface, 2019, 16, 20190179.	3.4	7
17	On the importance of the nonuniform aortic stiffening in the hemodynamics of physiological aging. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1125-H1133.	3.2	10
18	From Patients to Platelets and Back Again: Pharmacological Approaches to Glycoprotein VI, a Thrilling Antithrombotic Target with Minor Bleeding Risks. Thrombosis and Haemostasis, 2019, 119, 1720-1739.	3.4	21

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19	Initial Clinical Results of the eyeWatch: a New Adjustable Glaucoma Drainage Device Used in Refractory Glaucoma Surgery. <i>Journal of Glaucoma</i> , 2019, 28, 452-458.	1.6	19
20	An optimized and validated 384-well plate assay to test platelet function in a high-throughput screening format. <i>Platelets</i> , 2019, 30, 563-571.	2.3	11
21	Apelin β 13 treatment enhances the stability of atherosclerotic plaques. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12891.	3.4	24
22	Estimating Left Ventricular Elastance from Aortic Flow Waveform, Ventricular Ejection Fraction, and Brachial Pressure: An In Silico Study. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1722-1735.	2.5	5
23	Age-related changes in vascular responses to angiotensin-(1-7) in female mice. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2018, 19, 147032031878933.	1.7	14
24	Fluorescence-Based Binding Assay for Screening Ligands of Angiotensin Receptors. <i>Methods in Molecular Biology</i> , 2017, 1614, 165-174.	0.9	4
25	Total arterial compliance, estimated by a novel method, is better related to left ventricular mass compared to aortic pulse wave velocity: The SAFAR study. <i>Clinical and Experimental Hypertension</i> , 2017, 39, 271-276.	1.3	6
26	Alamandine abrogates neutrophil degranulation in atherosclerotic mice. <i>European Journal of Clinical Investigation</i> , 2017, 47, 117-128.	3.4	15
27	Angiotensin II infusion into ApoE $^{-/-}$ mice: a model for aortic dissection rather than abdominal aortic aneurysm?. <i>Cardiovascular Research</i> , 2017, 113, 1230-1242.	3.8	78
28	Evolution of aortic pressure during normal ageing: A model-based study. <i>PLoS ONE</i> , 2017, 12, e0182173.	2.5	25
29	Varicocele percutaneous embolization outcomes in a pediatric group: 7-year retrospective study. <i>International Urology and Nephrology</i> , 2016, 48, 1395-1399.	1.4	19
30	Ascending Aortic Aneurysm in Angiotensin II α 1-Infused Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 673-681.	2.4	65
31	A 1D model of the arterial circulation in mice. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016, 33, 13-28.	1.5	17
32	Single breath-hold 3D measurement of left atrial volume using compressed sensing cardiovascular magnetic resonance and a non-model-based reconstruction approach. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 47.	3.3	22
33	Performance Comparison of Ultrasound-Based Methods to Assess Aortic Diameter and Stiffness in Normal and Aneurysmal Mice. <i>PLoS ONE</i> , 2015, 10, e0129007.	2.5	22
34	Incidence, severity, mortality, and confounding factors for dissecting AAA detection in angiotensin II-infused mice: a meta-analysis. <i>Cardiovascular Research</i> , 2015, 108, 159-170.	3.8	31
35	Treatment with sulphated galactan inhibits macrophage chemotaxis and reduces intraplaque macrophage content in atherosclerotic mice. <i>Vascular Pharmacology</i> , 2015, 71, 84-92.	2.1	7
36	Improved Variational Denoising of Flow Fields with Application to Phase-Contrast MRI Data. <i>IEEE Signal Processing Letters</i> , 2015, 22, 762-766.	3.6	11

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37	Dissecting abdominal aortic aneurysm in Ang II-infused mice: suprarenal branch ruptures and apparent luminal dilatation. <i>Cardiovascular Research</i> , 2015, 105, 213-222.	3.8	59
38	Diminazene enhances stability of atherosclerotic plaques in ApoE-deficient mice. <i>Vascular Pharmacology</i> , 2015, 74, 103-113.	2.1	20
39	Emerging Pharmacological Treatments to Prevent Abdominal Aortic Aneurysm Growth and Rupture. <i>Current Pharmaceutical Design</i> , 2015, 21, 4000-6.	1.9	4
40	First in vivo application and evaluation of a novel method for non-invasive estimation of cardiac output. <i>Medical Engineering and Physics</i> , 2014, 36, 1352-1357.	1.7	10
41	Fluid-structure interaction simulation of aortic blood flow. <i>Computers and Fluids</i> , 2011, 43, 46-57.	2.5	156