

# Joon-Young Park

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,247  
citations

516561

16  
h-index

360920

35  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow-induced endothelial mitochondrial remodeling mitigates mitochondrial reactive oxygen species production and promotes mitochondrial DNA integrity in a p53-dependent manner. <i>Redox Biology</i> , 2022, 50, 102252.	3.9	11
2	Mitochondrial and Metabolic Adaptations to Exercise-Induced Fluid Shear Stress in Endothelial Cells. <i>Exercise and Sport Sciences Reviews</i> , 2022, 50, 145-155.	1.6	6
3	Healthy versus Unhealthy Adipose Tissue Expansion: the Role of Exercise. <i>Journal of Obesity and Metabolic Syndrome</i> , 2022, 31, 37-50.	1.5	8
4	Laminar Shear Stress Enhances Cytosolic PINK1 Expression: Increased Mitophagic Sensitivity Toward Mitochondrial Dysfunction. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
5	A brief descriptive outline of the rules of mixed martial arts and concussion in mixed martial arts. <i>Journal of Exercise Rehabilitation</i> , 2022, 18, 142-154.	0.4	2
6	Laminar Shear Stress Protects Against Premature Endothelial Senescence by SIRT1-Dependent Mechanisms. <i>Exercise Science</i> , 2021, 30, 213-220.	0.1	1
7	Adaptive Immune Response Signaling Is Suppressed in Ly6Chigh Monocyte but Upregulated in Monocyte Subsets of ApoE-/- Mice – Functional Implication in Atherosclerosis. <i>Frontiers in Immunology</i> , 2021, 12, 809208.	2.2	2
8	Infusion of Plasma from Exercised Mice Ameliorates Cognitive Dysfunction by Increasing Hippocampal Neuroplasticity and Mitochondrial Functions in 3xTg-AD Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3291.	1.8	13
9	Exercise training ameliorates cerebrovascular dysfunction in a murine model of Alzheimer’s disease: role of the P2Y2 receptor and endoplasmic reticulum stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1559-H1569.	1.5	13
10	Unlocking the Secrets of Mitochondria in the Cardiovascular System. <i>Circulation</i> , 2019, 140, 1205-1216.	1.6	91
11	Differential Cardiovascular and Mitochondrial Adaptations in Humanized P53 R72P Knock-In Mice. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 654-654.	0.2	0
12	Effects of the senior welfare center exercise program on body shape, physical fitness level, and cardiovascular health-related factors in old man from Korean rural areas. <i>Journal of Exercise Rehabilitation</i> , 2019, 15, 282-286.	0.4	3
13	Effects of resveratrol on laminar shear stress-induced mitochondrial biogenesis in human vascular endothelial cells. <i>Journal of Exercise Nutrition &amp; Biochemistry</i> , 2019, 23, 7-12.	1.3	4
14	Circulating Mitochondrial DNA Levels in Collegiate Football Players: A Pilot Study. <i>FASEB Journal</i> , 2019, 33, lb435.	0.2	0
15	Drp1 inhibitor mdivi-1 attenuates disturbed flow-induced metabolic shift and prevents cell activation in endothelial cells. <i>FASEB Journal</i> , 2019, 33, lb470.	0.2	0
16	Validation of Nanoparticle Tracking Analysis in Characterizing Extracellular Vesicle Isolated from Polydisperse Biological Samples. <i>FASEB Journal</i> , 2019, 33, lb599.	0.2	1
17	Lysophospholipids and Their Receptors Serve as Conditional DAMPs and DAMP Receptors in Tissue Oxidative and Inflammatory Injury. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 973-986.	2.5	62
18	Quantitative Analysis of Mitochondrial Morphology Under Different Fluid Shear Stress Conditions. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 32-33.	0.2	0

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19	A cellular mechanism of muscle memory facilitates mitochondrial remodelling following resistance training. <i>Journal of Physiology</i> , 2018, 596, 4413-4426.	1.3	47
20	Effects of Physiological Oxygen Tension on In Vitro Fluid Shear Stress-Induced endothelial NO Synthase Activation. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 689.	0.2	0
21	Abstract P343: Exercise-induces Mitochondrial Remodeling Prevents Angiotensin II-induced High Blood Pressure. <i>Hypertension</i> , 2016, 68, .	1.3	0
22	Cellular Mechanism of Muscle Memory. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 101-102.	0.2	0
23	Effect of Interleukin-10 and Laminar Shear Stress on Endothelial Nitric Oxide Synthase and Nitric Oxide in African American Human Umbilical Vein Endothelial Cells. <i>Ethnicity and Disease</i> , 2015, 25, 413.	1.0	8
24	Role of Epidermal Growth Factor Receptor and Endoplasmic Reticulum Stress in Vascular Remodeling Induced by Angiotensin II. <i>Hypertension</i> , 2015, 65, 1349-1355.	1.3	82
25	Effects of In Vitro Laminar Shear Stress as an Exercise Mimetic on Endothelial Cell Health. <i>Molecular and Translational Medicine</i> , 2015, , 157-184.	0.4	0
26	Shear stress-induced mitochondrial biogenesis decreases the release of microparticles from endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H425-H433.	1.5	62
27	Effect of Interleukin-10 and Laminar Shear Stress on African American Human Umbilical Vein Endothelial Cells. <i>FASEB Journal</i> , 2015, 29, 994.4.	0.2	0
28	Effects of Voluntary Exercise Preconditioning on Ang II-Induced Cardiovascular Pathophysiology in the Mouse. <i>FASEB Journal</i> , 2015, 29, LB581.	0.2	1
29	Exercise-Mediated Wall Shear Stress Increases Mitochondrial Biogenesis in Vascular Endothelium. <i>PLoS ONE</i> , 2014, 9, e111409.	1.1	52
30	Bioinformatic identification of connective tissue growth factor as an osteogenic protein within skeletal muscle. <i>Physiological Reports</i> , 2014, 2, e12255.	0.7	5
31	Bioinformatic Identification of CTGF as an Osteogenic Protein Expressed within Human Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 37.	0.2	0
32	Abstract 428: Shear Stress-Induced Mitochondrial Biogenesis: Implications for Salutary Effects of Aerobic Exercise on Endothelial Homeostasis. <i>Hypertension</i> , 2014, 64, .	1.3	0
33	Increased Oxidative Metabolism in the Li-Fraumeni Syndrome. <i>New England Journal of Medicine</i> , 2013, 368, 1027-1032.	13.9	112
34	Inhibition of Drp1-dependent mitochondrial division impairs myogenic differentiation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R927-R938.	0.9	82
35	Functional Study of Tumor Suppressor p53 Gene Variation: Effect on Cardiovascular Adaptation to Exercise Training. <i>FASEB Journal</i> , 2012, 26, 1138.5.	0.2	1
36	Combined Effect of Flow-Mediated Shear Stress and Resveratrol on Sirt1/PGC1 $\alpha$ Pathway in Vascular Endothelial Cells.. <i>FASEB Journal</i> , 2012, 26, 1142.21.	0.2	0

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37	Racial differences in tumor necrosis factor- $\alpha$ -induced endothelial microparticles and interleukin-6 production. <i>Vascular Health and Risk Management</i> , 2011, 7, 541.	1.0	46
38	Racial differences in the responses to shear stress in human umbilical vein endothelial cells. <i>Vascular Health and Risk Management</i> , 2011, 7, 425.	1.0	34
39	Effects of Laminar Shear Stress on Mitochondrial Biogenesis in Human Umbilical Vein Endothelial Cells. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 464.	0.2	0
40	Endothelial Nitric Oxide Synthase Activation: Laminar Shear Stress vs. Low Oxidant Conditions. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 464-465.	0.2	0
41	Translational Approach to Understanding Endothelial Adaptations to Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 467.	0.2	0
42	Racial Differences in Oxidative Stress and Inflammation: <i>In Vitro</i> and <i>In Vivo</i> . <i>Clinical and Translational Science</i> , 2011, 4, 32-37.	1.5	112
43	eNOS Phosphorylation Under Flow-Mediated Shear Stress: Effects of Flow Pattern and Ambient Oxygen Concentration. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 742-743.	0.2	0
44	Mitochondrial Fission Protein Drp1 Plays A Crucial Role For Myotube Differentiation By Regulating Mitochondria-mediated Apoptosis. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 70-71.	0.2	0
45	Effects of aerobic exercise on the blood pressure, oxidative stress and eNOS gene polymorphism in pre-hypertensive older people. <i>European Journal of Applied Physiology</i> , 2010, 110, 825-832.	1.2	36
46	Differentiating racial differences in oxidative stress levels: in vitro and in vivo. <i>FASEB Journal</i> , 2010, 24, 1b592.	0.2	0
47	Effects of Oxygen Tension in Shear Stress-Induced eNOS Activation in Human Endothelial Cells. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 42-43.	0.2	0
48	p53 Improves Aerobic Exercise Capacity and Augments Skeletal Muscle Mitochondrial DNA Content. <i>Circulation Research</i> , 2009, 105, 705-712.	2.0	164
49	Plasma nitrate/nitrite levels are unchanged after long-term aerobic exercise training in older adults. <i>Nitric Oxide - Biology and Chemistry</i> , 2009, 21, 234-238.	1.2	11
50	Independent and combined influence of AGTR1 variants and aerobic exercise on oxidative stress in hypertensives. <i>Blood Pressure</i> , 2009, 18, 204-212.	0.7	3
51	Exercise Training, NADPH Oxidase p22phox Gene Polymorphisms, and Hypertension. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1421-1428.	0.2	35
52	Oxidative Stress Levels Are Reduced in Postmenopausal Women with Exercise Training Regardless of Hormone Replacement Therapy Status. <i>Journal of Women and Aging</i> , 2008, 20, 31-45.	0.5	15
53	Influence Of AGTR1 Gene Variants And Aerobic Exercise Training On Angiotensin II And Oxidative Stress. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S44.	0.2	0
54	NFKB1 promoter variation implicates shear-induced NOS3 gene expression and endothelial function in prehypertensives and stage I hypertensives. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2320-H2327.	1.5	39

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55	Differential aerobic exercise-induced changes in plasma aldosterone between African Americans and Caucasians. <i>Experimental Physiology</i> , 2007, 92, 871-879.	0.9	13
56	Changes in Reactive Hyperemia and Plasma Ox-LDL Levels with Aerobic Exercise Training are Inversely Related. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S348.	0.2	0
57	NADPH oxidase p22phox gene variants are associated with systemic oxidative stress biomarker responses to exercise training. <i>Journal of Applied Physiology</i> , 2005, 99, 1905-1911.	1.2	46
58	Plasma nitrate/nitrite response to an oral glucose load and the effect of endurance training. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 673-679.	1.5	13