

# Bernard Geny

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,467  
citations

361045

20  
h-index

360668

35  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ischemia reperfusion injury, ischemic conditioning and diabetes mellitus. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 91, 11-22.	0.9	179
2	Health benefits of aerobic training programs in adults aged 70 and over: a systematic review. <i>Archives of Gerontology and Geriatrics</i> , 2017, 69, 110-127.	1.4	114
3	Chronology of mitochondrial and cellular events during skeletal muscle ischemia-reperfusion. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C968-C982.	2.1	89
4	Reductive stress impairs myoblasts mitochondrial function and triggers mitochondrial hormesis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1574-1585.	1.9	80
5	Mitochondria: Mitochondrial participation in ischemia-reperfusion injury in skeletal muscle. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 50, 101-105.	1.2	71
6	Sarcopenia and peripheral arterial disease: a systematic review. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 866-886.	2.9	58
7	Long-Term Outcomes of Direct and Indirect Below-The-Knee Open Revascularization Based on the Angiosome Concept in Diabetic Patients with Critical Limb Ischemia. <i>Annals of Vascular Surgery</i> , 2014, 28, 983-989.	0.4	53
8	Comparative assessment of knee extensor and flexor muscle strength measured using a hand-held vs. isokinetic dynamometer. <i>Journal of Physical Therapy Science</i> , 2016, 28, 2445-2451.	0.2	47
9	Computer-assisted quantification and visualization of bowel perfusion using fluorescence-based enhanced reality in left-sided colonic resections. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 4321-4331.	1.3	42
10	High reactive oxygen species in fibrotic and nonfibrotic skin of patients with diffuse cutaneous systemic sclerosis. <i>Free Radical Biology and Medicine</i> , 2015, 87, 282-289.	1.3	37
11	Current Research and New Perspectives of Telemedicine in Chronic Heart Failure: Narrative Review and Points of Interest for the Clinician. <i>Journal of Clinical Medicine</i> , 2018, 7, 544.	1.0	32
12	Health benefits of cycle ergometer training for older adults over 70: a review. <i>European Review of Aging and Physical Activity</i> , 2015, 12, 8.	1.3	31
13	Oxidative stress precedes skeletal muscle mitochondrial dysfunction during experimental aortic cross-clamping but is not associated with early lung, heart, brain, liver, or kidney mitochondrial impairment. <i>Journal of Vascular Surgery</i> , 2014, 60, 1043-1051.e5.	0.6	30
14	Impact of iron oxide nanoparticles on brain, heart, lung, liver and kidneys mitochondrial respiratory chain complexes activities and coupling. <i>Toxicology in Vitro</i> , 2013, 27, 2142-2148.	1.1	29
15	Peripheral Blood Mononuclear Cells and Platelets Mitochondrial Dysfunction, Oxidative Stress, and Circulating mtDNA in Cardiovascular Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 311.	1.0	29
16	Explanted Vascular and Endovascular Graft Analysis: Where Do We Stand and What Should We Do?. <i>European Journal of Vascular and Endovascular Surgery</i> , 2018, 55, 567-576.	0.8	27
17	The Endocrine Function of the Heart: Physiology and Involvements of Natriuretic Peptides and Cyclic Nucleotide Phosphodiesterases in Heart Failure. <i>Journal of Clinical Medicine</i> , 2019, 8, 1746.	1.0	27
18	The Rise of Mitochondria in Peripheral Arterial Disease Physiopathology: Experimental and Clinical Data. <i>Journal of Clinical Medicine</i> , 2019, 8, 2125.	1.0	27

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19	Diabetes Worsens Skeletal Muscle Mitochondrial Function, Oxidative Stress, and Apoptosis After Lower-Limb Ischemia-Reperfusion: Implication of the RISK and SAFE Pathways?. <i>Frontiers in Physiology</i> , 2018, 9, 579.	1.3	25
20	Effect of Aerobic Training on Peak Oxygen Uptake Among Seniors Aged 70 or Older: A Meta-Analysis of Randomized Controlled Trials. <i>Rejuvenation Research</i> , 2018, 21, 341-349.	0.9	23
21	Skeletal and Respiratory Muscle Dysfunctions in Pulmonary Arterial Hypertension. <i>Journal of Clinical Medicine</i> , 2020, 9, 410.	1.0	23
22	Long Term Follow-Up of Sarcopenia and Malnutrition after Hospitalization for COVID-19 in Conventional or Intensive Care Units. <i>Nutrients</i> , 2022, 14, 912.	1.7	23
23	Reduced Flow-Mediated Dilatation Is Not Related to COVID-19 Severity Three Months after Hospitalization for SARS-CoV-2 Infection. <i>Journal of Clinical Medicine</i> , 2021, 10, 1318.	1.0	21
24	Metabolism-Guided Bowel Resection. <i>Surgical Innovation</i> , 2015, 22, 453-461.	0.4	20
25	Effects of a short-term Interval Aerobic Training Programme with active Recovery bouts (IATP-R) on cognitive and mental health, functional performance and quality of life: A randomised controlled trial in sedentary seniors. <i>International Journal of Clinical Practice</i> , 2019, 73, e13219.	0.8	20
26	Physiological factors determining downhill vs uphill running endurance performance. <i>Journal of Science and Medicine in Sport</i> , 2021, 24, 85-91.	0.6	18
27	Automatic Liver Viability Scoring with Deep Learning and Hyperspectral Imaging. <i>Diagnostics</i> , 2021, 11, 1527.	1.3	18
28	Skeletal muscle ischemia-reperfusion injury and cyclosporine A in the aging rat. <i>Fundamental and Clinical Pharmacology</i> , 2016, 30, 216-225.	1.0	16
29	Mitochondrial Function in Peripheral Blood Mononuclear Cells (PBMC) Is Enhanced, Together with Increased Reactive Oxygen Species, in Severe Asthmatic Patients in Exacerbation. <i>Journal of Clinical Medicine</i> , 2019, 8, 1613.	1.0	16
30	Moderate Exercise Allows for shorter Recovery Time in Critical Limb Ischemia. <i>Frontiers in Physiology</i> , 2017, 8, 523.	1.3	15
31	A Novel Technique to Improve Anastomotic Perfusion Prior to Esophageal Surgery: Hybrid Ischemic Preconditioning of the Stomach. Preclinical Efficacy Proof in a Porcine Survival Model. <i>Cancers</i> , 2020, 12, 2977.	1.7	15
32	N-Acetyl Cysteine Restores Limb Function, Improves Mitochondrial Respiration, and Reduces Oxidative Stress in a Murine Model of Critical Limb Ischaemia. <i>European Journal of Vascular and Endovascular Surgery</i> , 2018, 56, 730-738.	0.8	13
33	Effects of Interval Aerobic Training Program with Recovery bouts on cardiorespiratory and endurance fitness in seniors. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 2284-2292.	1.3	13
34	Digestive Lipid Oxidation, a Key Trigger of Vascular Dysfunction and Atherosclerosis in the Western Diet: Protective Effects of Apple Polyphenols. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000487.	1.5	13
35	Gastric Supply Manipulation to Modulate Ghrelin Production and Enhance Vascularization to the Cardia. <i>Surgical Innovation</i> , 2015, 22, 5-14.	0.4	12
36	Effects of a short-term interval aerobic training program with recovery bouts on vascular function in sedentary aged 70 or over: A randomized controlled trial. <i>Archives of Gerontology and Geriatrics</i> , 2019, 82, 217-225.	1.4	12

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37	Aging Exacerbates Ischemia-Reperfusion-Induced Mitochondrial Respiration Impairment in Skeletal Muscle. <i>Antioxidants</i> , 2019, 8, 168.	2.2	11
38	Intraoperative Perfusion Assessment in Enhanced Reality Using Quantitative Optical Imaging: An Experimental Study in a Pancreatic Partial Ischemia Model. <i>Diagnostics</i> , 2021, 11, 93.	1.3	11
39	Effect of chronic pre-treatment with angiotensin converting enzyme inhibition on skeletal muscle mitochondrial recovery after ischemia/reperfusion. <i>Fundamental and Clinical Pharmacology</i> , 2010, 24, 333-340.	1.0	10
40	Mitochondrial function following downhill and/or uphill exercise training in rats. <i>Muscle and Nerve</i> , 2016, 54, 925-935.	1.0	10
41	Precision real-time evaluation of bowel perfusion: accuracy of confocal endomicroscopy assessment of stoma in a controlled hemorrhagic shock model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 680-691.	1.3	10
42	Beneficial Effect of Exercise on Cognitive Function during Peripheral Arterial Disease: Potential Involvement of Myokines and Microglial Anti-Inflammatory Phenotype Enhancement. <i>Journal of Clinical Medicine</i> , 2019, 8, 653.	1.0	10
43	Septic Shock Alters Mitochondrial Respiration of Lymphoid Cell-Lines and Human Peripheral Blood Mononuclear Cells: The Role of Plasma. <i>Shock</i> , 2019, 51, 97-104.	1.0	10
44	New Insights into the Implication of Mitochondrial Dysfunction in Tissue, Peripheral Blood Mononuclear Cells, and Platelets during Lung Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 1253.	1.0	9
45	High-intensity downhill running exacerbates heart rate and muscular fatigue in trail runners. <i>Journal of Sports Sciences</i> , 2021, 39, 815-825.	1.0	9
46	Effect of administration of water enriched in O <sub>2</sub> by injection or electrolysis on transcutaneous oxygen pressure in anesthetized pigs. <i>Drug Design, Development and Therapy</i> , 2014, 8, 1161.	2.0	8
47	Critical Limb Ischaemia Exacerbates Mitochondrial Dysfunction in ApoE <sup>-/-</sup> Mice Compared with ApoE <sup>+/+</sup> Mice, but N-acetyl Cysteine still Confers Protection. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019, 58, 576-582.	0.8	8
48	Effects of a High Fat Meal Associated with Water, Juice, or Champagne Consumption on Endothelial Function and Markers of Oxidative Stress and Inflammation in Young, Healthy Subjects. <i>Journal of Clinical Medicine</i> , 2019, 8, 859.	1.0	8
49	Effect of the Phosphodiesterase 5 Inhibitor Sildenafil on Ischemia-Reperfusion-Induced Muscle Mitochondrial Dysfunction and Oxidative Stress. <i>Antioxidants</i> , 2019, 8, 93.	2.2	8
50	Pathophysiology of Heart Failure: A Role for Peripheral Blood Mononuclear Cells Mitochondrial Dysfunction?. <i>Journal of Clinical Medicine</i> , 2022, 11, 741.	1.0	6
51	Apparent Km of mitochondria for oxygen computed from V <sub>max</sub> measured in permeabilized muscle fibers is lower in water enriched in oxygen by electrolysis than injection. <i>Drug Design, Development and Therapy</i> , 2015, 9, 3589.	2.0	4
52	FACS - based isolation of human eosinophils allows purification of high quality RNA. <i>Journal of Immunological Methods</i> , 2018, 463, 47-53.	0.6	4
53	Usefulness of Platelet-to-Lymphocyte Ratio as a Marker of Sarcopenia for Critical Limb Threatening Ischemia. <i>Annals of Vascular Surgery</i> , 2021, 72, 72-78.	0.4	4
54	Comment on: Muscle fluorodeoxyglucose uptake assessed by positron emission tomography-computed tomography as a biomarker of inflammatory myopathies disease activity: reply. <i>Rheumatology</i> , 2019, 58, 2345-2346.	0.9	3

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55	Deleterious Effects of Remote Ischaemic Per-conditioning During Lower Limb Ischaemiaâ€“Reperfusion in Mice. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 953-959.	0.8	3
56	Impact of valve-less vs. standard insufflation on pneumoperitoneum volume, inflammation, and peritoneal physiology in a laparoscopic sigmoid resection experimental model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 3215-3224.	1.3	2
57	Angiotensinâ€“converting enzyme inhibition prevents myocardial infarctionâ€“induced increase in renal cortical <i>cGMP</i> and <i>cAMP</i> phosphodiesterase activities. <i>Fundamental and Clinical Pharmacology</i> , 2015, 29, 352-361.	1.0	1
58	Effect of Waters Enriched in O2 by Injection or Electrolysis on Performance and the Cardiopulmonary and Acidâ€“Base Response to High Intensity Exercise. <i>Nutrients</i> , 2021, 13, 4320.	1.7	0
59	Prolonged Cold Ischemia Did Not Impair Mitochondrial Oxygen Consumption or Reactive Oxygen Species Production in Human Uterine Fundus and Horn Myometrium. <i>Oxygen</i> , 2022, 2, 12-21.	1.6	0