

# Sergiu-Bogdan Catrina

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,444  
citations

331670

21  
h-index

233421

45  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of HIF-1 $\alpha$ is critical to improve wound healing in diabetic mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19426-19431.	7.1	416
2	Hyperglycemia Regulates Hypoxia-Inducible Factor-1 $\alpha$ Protein Stability and Function. Diabetes, 2004, 53, 3226-3232.	0.6	321
3	Identification of a novel chemokine-dependent molecular mechanism underlying rheumatoid arthritis-associated autoantibody-mediated bone loss. Annals of the Rheumatic Diseases, 2016, 75, 721-729.	0.9	289
4	Hypoxia and hypoxia-inducible factors in diabetes and its complications. Diabetologia, 2021, 64, 709-716.	6.3	171
5	MicroRNA-132 enhances transition from inflammation to proliferation during wound healing. Journal of Clinical Investigation, 2015, 125, 3008-3026.	8.2	165
6	Hyperbaric oxygen therapy activates hypoxia-inducible factor 1 (HIF-1 $\alpha$ ), which contributes to improved wound healing in diabetic mice. Wound Repair and Regeneration, 2015, 23, 98-103.	3.0	109
7	Disturbed hypoxic responses as a pathogenic mechanism of diabetic foot ulcers. Diabetes/Metabolism Research and Reviews, 2016, 32, 179-185.	4.0	91
8	MicroRNA-132 with Therapeutic Potential in Chronic Wounds. Journal of Investigative Dermatology, 2017, 137, 2630-2638.	0.7	68
9	Hypoxia-Inducible Factor-1 $\alpha$ and Hypoxia-Inducible Factor-2 $\alpha$ Are Expressed in Kaposi Sarcoma and Modulated by Insulin-like Growth Factor-I. Clinical Cancer Research, 2006, 12, 4506-4514.	7.0	58
10	Triggering of a Dll4-Notch1 loop impairs wound healing in diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6985-6994.	7.1	58
11	Impact of the Hypoxia-Inducible Factor-1 $\alpha$ (HIF1A) Pro582Ser Polymorphism on Diabetes Nephropathy. Diabetes Care, 2013, 36, 415-421.	8.6	56
12	Red Blood Cells in Type 2 Diabetes Impair Cardiac Post-Ischemic Recovery Through an Arginase-Dependent Modulation of Nitric Oxide Synthase and Reactive Oxygen Species. JACC Basic To Translational Science, 2018, 3, 450-463.	4.1	51
13	Anticitrullinated protein antibodies facilitate migration of synovial tissue-derived fibroblasts. Annals of the Rheumatic Diseases, 2019, 78, 1621-1631.	0.9	49
14	miR-19a/b and miR-20a Promote Wound Healing by Regulating the Inflammatory Response of Keratinocytes. Journal of Investigative Dermatology, 2021, 141, 659-671.	0.7	46
15	Impaired hypoxia-inducible factor (HIF) regulation by hyperglycemia. Journal of Molecular Medicine, 2014, 92, 1025-1034.	3.9	40
16	Riedel's thyroiditis: clinical presentation, treatment and outcomes. Endocrine, 2018, 60, 185-192.	2.3	38
17	Repression of hypoxia-inducible factor-1 contributes to increased mitochondrial reactive oxygen species production in diabetes. ELife, 2022, 11, .	6.0	31
18	Perlecan heparan sulfate deficiency impairs pulmonary vascular development and attenuates hypoxic pulmonary hypertension. Cardiovascular Research, 2015, 107, 20-31.	3.8	30

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19	Hyperoxia inhibits glucose-induced insulin secretion and mitochondrial metabolism in rat pancreatic islets. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 223-228.	2.1	29
20	Real-world use of once-weekly semaglutide in patients with type 2 diabetes: Results from the SURE Denmark/Sweden multicentre, prospective, observational study. <i>Primary Care Diabetes</i> , 2021, 15, 871-878.	1.8	29
21	Carnosine decreases IGFBP1 production in db/db mice through suppression of HIF-1. <i>Journal of Endocrinology</i> , 2015, 225, 159-167.	2.6	28
22	Protective Effect of the <i>HIF-1A</i> Pro582Ser Polymorphism on Severe Diabetic Retinopathy. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-8.	2.3	22
23	Stability of mitochondrial DNA against reactive oxygen species (ROS) generated in diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 470-479.	4.0	21
24	Lupinus mutabilis Extract Exerts an Anti-Diabetic Effect by Improving Insulin Release in Type 2 Diabetic Goto-Kakizaki Rats. <i>Nutrients</i> , 2018, 10, 933.	4.1	19
25	HypoxamiR-210 accelerates wound healing in diabetic mice by improving cellular metabolism. <i>Communications Biology</i> , 2020, 3, 768.	4.4	18
26	Real-world use of once-weekly semaglutide in patients with type 2 diabetes: pooled analysis of data from four SURE studies by baseline characteristic subgroups. <i>BMJ Open Diabetes Research and Care</i> , 2022, 10, e002619.	2.8	17
27	A Notch-independent mechanism contributes to the induction of <i>Hes1</i> gene expression in response to hypoxia in P19 cells. <i>Experimental Cell Research</i> , 2017, 358, 129-139.	2.6	16
28	Cytokine Autoantibody Screening in the Swedish Addison Registry Identifies Patients With Undiagnosed APS1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 179-186.	3.6	16
29	<i>Amaranthus caudatus</i> Stimulates Insulin Secretion in Goto-Kakizaki Rats, a Model of Diabetes Mellitus Type 2. <i>Nutrients</i> , 2018, 10, 94.	4.1	16
30	Deficiency of liver-derived insulin-like growth factor-I (IGF-I) does not interfere with the skin wound healing rate. <i>PLoS ONE</i> , 2018, 13, e0193084.	2.5	15
31	Downregulation of Erythrocyte miR-210 Induces Endothelial Dysfunction in Type 2 Diabetes. <i>Diabetes</i> , 2022, 71, 285-297.	0.6	15
32	DHODH inhibition modulates glucose metabolism and circulating GDF15, and improves metabolic balance. <i>IScience</i> , 2021, 24, 102494.	4.1	11
33	L-Carnosine Stimulation of Coenzyme Q10 Biosynthesis Promotes Improved Mitochondrial Function and Decreases Hepatic Steatosis in Diabetic Conditions. <i>Antioxidants</i> , 2021, 10, 793.	5.1	11
34	A cytotoxic, apoptotic, low -molecular weight factor from pineal gland. <i>Life Sciences</i> , 1999, 65, 1047-1057.	4.3	10
35	Selective blockade of estrogen receptor beta improves wound healing in diabetes. <i>Endocrine</i> , 2014, 46, 347-350.	2.3	10
36	Randomised, controlled, open label, multicentre clinical trial to explore safety and efficacy of hyperbaric oxygen for preventing ICU admission, morbidity and mortality in adult patients with COVID-19. <i>BMJ Open</i> , 2021, 11, e046738.	1.9	10

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37	Liver nucleotide biosynthesis is linked to protection from vascular complications in individuals with long-term type 1 diabetes. <i>Scientific Reports</i> , 2020, 10, 11561.	3.3	8
38	Repurposing GLP1 agonists for neurodegenerative diseases. <i>International Review of Neurobiology</i> , 2020, 155, 91-112.	2.0	7
39	Reduced expression of OXPHOS and DNA damage genes is linked to protection from microvascular complications in long-term type 1 diabetes: the PROLONG study. <i>Scientific Reports</i> , 2021, 11, 20735.	3.3	7
40	Copeptin, insulin-like growth factor binding protein-1 and sitagliptin: A report from the BEta-cell function in Glucose abnormalities and Acute Myocardial Infarction study. <i>Diabetes and Vascular Disease Research</i> , 2016, 13, 307-311.	2.0	6
41	Copeptin and insulin-like growth factor binding protein-1 during follow-up after an acute myocardial infarction in patients with type 2 diabetes: A report from the Diabetes Mellitus Insulin-Glucose Infusion in Acute Myocardial Infarction 2 cohort. <i>Diabetes and Vascular Disease Research</i> , 2019, 16, 22-27.	2.0	6
42	Increased Plasma Soluble Interleukin-2 Receptor Alpha Levels in Patients With Long-Term Type 1 Diabetes With Vascular Complications Associated With IL2RA and PTPN2 Gene Polymorphisms. <i>Frontiers in Endocrinology</i> , 2020, 11, 575469.	3.5	4
43	Repressed hypoxia inducible factor-1 in diabetes aggravates pulmonary aspergillus fumigatus infection through modulation of inflammatory responses. <i>Clinical and Translational Medicine</i> , 2021, 11, e273.	4.0	3
44	Hyperglycemia and hypoxia inducible factor (HIF): A multifaceted story. <i>Cell Cycle</i> , 2010, 9, 1856-1856.	2.6	1
45	Antibodies to citrullinated protein antigen are not biomarkers for Grave's ophthalmopathy. <i>Clinical Endocrinology</i> , 2012, 77, 329-329.	2.4	1
46	An Image-based Dynamic High-throughput Analysis of Adherent Cell Migration. <i>Bio-protocol</i> , 2021, 11, .	0.4	1
47	Hypoxia and inflammation synergistically promote bone destruction. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A61.1-A61.	0.9	0
48	Real-world use of once-weekly semaglutide in diverse patient populations with type 2 diabetes: pooled analysis of four SURE studies. <i>Diabetologie Und Stoffwechsel</i> , 2022, , .	0.0	0