

Nobuhito Goda

List of Publications by Year in descending order

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71
papers

4,860
citations

136950

32
h-index

102487

66
g-index

73
all docs

73
docs citations

73
times ranked

7697
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of the HIF-1 α Level Is Essential for Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2010, 7, 391-402.	11.1	778
2	Regulation of Glycolysis by Pdk Functions as a Metabolic Checkpoint for Cell Cycle Quiescence in Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2013, 12, 49-61.	11.1	659
3	Hypoxia-Inducible Factor 1 α Is Essential for Cell Cycle Arrest during Hypoxia. <i>Molecular and Cellular Biology</i> , 2003, 23, 359-369.	2.3	478
4	HIF-1 α -PDK1 axis-induced active glycolysis plays an essential role in macrophage migratory capacity. <i>Nature Communications</i> , 2016, 7, 11635.	12.8	233
5	Adipose tissue hypoxia induces inflammatory M1 polarity of macrophages in an HIF-1 α -dependent and HIF-1 α -independent manner in obese mice. <i>Diabetologia</i> , 2013, 56, 1403-1412.	6.3	182
6	Hypoxia-inducible factors and their roles in energy metabolism. <i>International Journal of Hematology</i> , 2012, 95, 457-463.	1.6	160
7	Carbon Monoxide as an Endogenous Modulator of Hepatic Vascular Perfusion. <i>Biochemical and Biophysical Research Communications</i> , 1994, 205, 1333-1337.	2.1	143
8	Gene Transfection of H25A Mutant Heme Oxygenase-1 Protects Cells against Hydroperoxide-induced Cytotoxicity. <i>Journal of Biological Chemistry</i> , 2002, 277, 10712-10718.	3.4	102
9	HIF-1 in Cell Cycle Regulation, Apoptosis, and Tumor Progression. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 467-473.	5.4	102
10	HIF-1 α induction suppresses excessive lipid accumulation in alcoholic fatty liver in mice. <i>Journal of Hepatology</i> , 2012, 56, 441-447.	3.7	101
11	Index markers of chronic fatigue syndrome with dysfunction of TCA and urea cycles. <i>Scientific Reports</i> , 2016, 6, 34990.	3.3	97
12	Cystathionine β -synthase as a carbon monoxide-sensitive regulator of bile excretion. <i>Hepatology</i> , 2009, 49, 141-150.	7.3	96
13	p38 α Activates Purine Metabolism to Initiate Hematopoietic Stem/Progenitor Cell Cycling in Response to Stress. <i>Cell Stem Cell</i> , 2016, 19, 192-204.	11.1	92
14	Altered expression of heme oxygenase-1 in the livers of patients with portal hypertensive diseases. <i>Hepatology</i> , 2001, 33, 32-42.	7.3	82
15	HIF-1 α in Myeloid Cells Promotes Adipose Tissue Remodeling Toward Insulin Resistance. <i>Diabetes</i> , 2016, 65, 3649-3659.	0.6	81
16	Hypoxia and fatty liver. <i>World Journal of Gastroenterology</i> , 2014, 20, 15087.	3.3	79
17	Carbon Monoxide From Heme Oxygenase-2 Is a Tonic Regulator Against NO-Dependent Vasodilatation in the Adult Rat Cerebral Microcirculation. <i>Circulation Research</i> , 2005, 97, e104-14.	4.5	78
18	Leydig cell α -derived heme oxygenase-1 regulates apoptosis of premeiotic germ cells in response to stress. <i>Journal of Clinical Investigation</i> , 2002, 109, 457-467.	8.2	75

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19	von Hippel-Lindau protein regulates transition from the fetal to the adult circulatory system in retina. <i>Development (Cambridge)</i> , 2010, 137, 1563-1571.	2.5	70
20	Dynamic regulation of Th17 differentiation by oxygen concentrations. <i>International Immunology</i> , 2012, 24, 137-146.	4.0	64
21	Carbon monoxide as a regulator of bile canalicular contractility in cultured rat hepatocytes. <i>Hepatology</i> , 1998, 28, 286-295.	7.3	63
22	The formation of an angiogenic astrocyte template is regulated by the neuroretina in a HIF-1-dependent manner. <i>Developmental Biology</i> , 2012, 363, 106-114.	2.0	60
23	HIF-1 \pm is necessary to support gluconeogenesis during liver regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 789-794.	2.1	59
24	HIF-1 in T cells ameliorated dextran sodium sulfate-induced murine colitis. <i>Journal of Leukocyte Biology</i> , 2012, 91, 901-909.	3.3	54
25	Stabilization of mast cells by heme oxygenase-1: an anti-inflammatory role. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H861-H870.	3.2	51
26	Disruption of the mitochondria-associated ER membrane (MAM) plays a central role in palmitic acid-induced insulin resistance. <i>Experimental Cell Research</i> , 2017, 359, 86-93.	2.6	50
27	A role for endothelial cells in promoting the maturation of astrocytes through the apelin/APJ system in mice. <i>Development (Cambridge)</i> , 2012, 139, 1327-1335.	2.5	45
28	From O ₂ to H ₂ S: A landscape view of gas biology.. <i>Keio Journal of Medicine</i> , 2002, 51, 1-10.	1.1	40
29	Cadmium Exposure Alters Metabolomics of Sulfur-Containing Amino Acids in Rat Testes. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 781-787.	5.4	40
30	Potential Biomarkers of Fatigue Identified by Plasma Metabolome Analysis in Rats. <i>PLoS ONE</i> , 2015, 10, e0120106.	2.5	39
31	Disruption of HIF-1 \pm in hepatocytes impairs glucose metabolism in diet-induced obesity mice. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 445-449.	2.1	37
32	The H3K9 methyltransferase Setdb1 regulates TLR4-mediated inflammatory responses in macrophages. <i>Scientific Reports</i> , 2016, 6, 28845.	3.3	35
33	Fenofibrate, a Peroxisome Proliferator-Activated Receptor \pm Agonist, Improves Hepatic Microcirculatory Patency and Oxygen Availability in a High-Fat-Diet-Induced Fatty Liver in Mice. <i>Advances in Experimental Medicine and Biology</i> , 2010, 662, 77-82.	1.6	35
34	Carbon monoxide overproduced by heme oxygenase-1 causes a reduction of vascular resistance in perfused rat liver. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, G1088-G1096.	3.4	31
35	HIF-1-dependent lipin1 induction prevents excessive lipid accumulation in choline-deficient diet-induced fatty liver. <i>Scientific Reports</i> , 2018, 8, 14230.	3.3	31
36	Leydig cell-derived heme oxygenase-1 regulates apoptosis of premeiotic germ cells in response to stress. <i>Journal of Clinical Investigation</i> , 2002, 109, 457-467.	8.2	30

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37	SLC15A4 mediates M1-prone metabolic shifts in macrophages and guards immune cells from metabolic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
38	Heterofunctional nanosheet controlling cell adhesion properties by collagen coating. <i>Journal of Biomaterials Applications</i> , 2012, 27, 131-141.	2.4	28
39	Organ Design for Generation and Reception of CO: Lessons from the Liver. <i>Antioxidants and Redox Signaling</i> , 2002, 4, 633-637.	5.4	25
40	Hydrogen Sulfide as an Endogenous Modulator of Biliary Bicarbonate Excretion in the Rat Liver. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 788-794.	5.4	24
41	Transcription Profiles of the Ductus Arteriosus in Brown-Norway Rats With Irregular Elastic Fiber Formation. <i>Circulation Journal</i> , 2014, 78, 1224-1233.	1.6	23
42	In vivo O ₂ imaging in hepatic tissues by phosphorescence lifetime imaging microscopy using Ir(III) complexes as intracellular probes. <i>Scientific Reports</i> , 2020, 10, 21053.	3.3	23
43	Epithelial cells remove precancerous cells by cell competition via MHC class II-LILRB3 interaction. <i>Nature Immunology</i> , 2021, 22, 1391-1402.	14.5	22
44	Effects of aging on serum levels of lipid molecular species as determined by lipidomics analysis in Japanese men and women. <i>Lipids in Health and Disease</i> , 2018, 17, 135.	3.0	20
45	Application of nanosheets as an anti-adhesion barrier in partial hepatectomy. , 2013, 101, 1251-1258.		19
46	Metabolomic profiling analysis reveals chamber-dependent metabolite patterns in the mouse heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H494-H505.	3.2	18
47	Loss of hypoxia inducible factor-1 α aggravates T _H 17 cell-mediated inflammation during acetaminophen-induced liver injury. <i>Hepatology Communications</i> , 2018, 2, 571-581.	4.3	18
48	Discontinuous total parenteral nutrition prevents postischemic mitochondrial dysfunction in rat liver. <i>Hepatology</i> , 1998, 28, 1289-1299.	7.3	17
49	Low Cardiac Output Leads Hepatic Fibrosis in Right Heart Failure Model Rats. <i>PLoS ONE</i> , 2016, 11, e0148666.	2.5	15
50	Structure and Sequence of the Mouse V1a and V1b Vasopressin Receptor Genes.. <i>The Japanese Journal of Pharmacology</i> , 1999, 81, 388-392.	1.2	14
51	Hypoxia-inducible Factor-1 Is a Determinant of Lobular Structure and Oxygen Consumption in the Liver. <i>Microcirculation</i> , 2013, 20, 385-393.	1.8	14
52	Differential expression of Lutheran/BCAM regulates biliary tissue remodeling in ductular reaction during liver regeneration. <i>ELife</i> , 2018, 7, .	6.0	12
53	Erythrocytes with T-State-stabilized Hemoglobin as a Therapeutic Tool for Postischemic Liver Dysfunction. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1847-1855.	5.4	11
54	Carbon Monoxide as a Guardian against Hepatobiliary Dysfunction. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 134S-139S.	2.4	9

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55	ZAK Inhibitor PLX4720 Promotes Extrusion of Transformed Cells via Cell Competition. <i>IScience</i> , 2020, 23, 101327.	4.1	9
56	Characterization of the Mouse .ALPHA.1D-Adrenergic Receptor Gene.. <i>The Japanese Journal of Pharmacology</i> , 1999, 81, 271-278.	1.2	8
57	Heterozygous deletion of sarcolipin maintains normal cardiac function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H92-H103.	3.2	8
58	Type I neuregulin1 [±] is a novel local mediator to suppress hepatic gluconeogenesis in mice. <i>Scientific Reports</i> , 2017, 7, 42959.	3.3	8
59	Adrenal cortex hypoxia modulates aldosterone production in heart failure. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 184-189.	2.1	8
60	Pyruvate dehydrogenase activation precedes the down-regulation of fatty acid oxidation in monocrotaline-induced myocardial toxicity in mice. <i>Heart and Vessels</i> , 2019, 34, 545-555.	1.2	5
61	p38 [±] plays differential roles in hematopoietic stem cell activity dependent on aging contexts. <i>Journal of Biological Chemistry</i> , 2021, 296, 100563.	3.4	5
62	Cloning and characterization of the promoter of murine cytohesin-1 gene. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1493, 195-199.	2.4	4
63	Transcriptional profiles in the chicken ductus arteriosus during hatching. <i>PLoS ONE</i> , 2019, 14, e0214139.	2.5	4
64	Innate Response to Human Cancer Cells with or without IL-2 Receptor Common Î ³ -Chain Function in NOD Background Mice Lacking Adaptive Immunity. <i>Journal of Immunology</i> , 2015, 195, 1883-1890.	0.8	3
65	Guest editorial: hypoxia biology in health and disease. <i>International Journal of Hematology</i> , 2012, 95, 455-456.	1.6	2
66	Generation of Rat Monoclonal Antibodies Specific for Human Stromal Cell-Derived Factor-2. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2020, 39, 23-26.	1.6	1
67	The manner of metabolism is different between the atrium and the ventricle. <i>FASEB Journal</i> , 2012, 26, 1144.18.	0.5	1
68	<i>Sima</i>, a <i>Drosophila</i> homolog of <i>HIFâ€±</i>, in fat body tissue inhibits larval body growth by inducing <i>Tribbles</i> gene expression. <i>Genes To Cells</i> , 2022, 27, 145-151.	1.2	1
69	Microvascular Effects of the Heme Oxygenase-CO System. , 2003, , 219-226.		0
70	HIFâ€± is not a critical determinant for metabolic zonation in liver acinus. <i>FASEB Journal</i> , 2008, 22, 1016.7.	0.5	0
71	NO and Microvascular Function. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 1995, 6, 82-85.	0.1	0