

Tadayoshi Karasawa

List of Publications by Year in descending order

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44
papers

2,192
citations

304743

22
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

3132
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of NLRP3 Inflammasomes in Atherosclerosis. <i>Journal of Atherosclerosis and Thrombosis</i> , 2017, 24, 443-451.	2.0	214
2	Ferroptosis driven by radical oxidation of n-6 polyunsaturated fatty acids mediates acetaminophen-induced acute liver failure. <i>Cell Death and Disease</i> , 2020, 11, 144.	6.3	166
3	Critical role of caspase-1 in vascular inflammation and development of atherosclerosis in Western diet-fed apolipoprotein E-deficient mice. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 162-168.	2.1	154
4	Inflammasome Activation by Mitochondrial Oxidative Stress in Macrophages Leads to the Development of Angiotensin II-Induced Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 127-136.	2.4	153
5	Iron overload as a risk factor for hepatic ischemia-reperfusion injury in liver transplantation: Potential role of ferroptosis. <i>American Journal of Transplantation</i> , 2020, 20, 1606-1618.	4.7	146
6	ARIH2 Ubiquitinates NLRP3 and Negatively Regulates NLRP3 Inflammasome Activation in Macrophages. <i>Journal of Immunology</i> , 2017, 199, 3614-3622.	0.8	105
7	Saturated Fatty Acids Undergo Intracellular Crystallization and Activate the NLRP3 Inflammasome in Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 744-756.	2.4	104
8	Cigarette smoke extract induces ferroptosis in vascular smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H508-H518.	3.2	93
9	Role of NLRP3 Inflammasomes for Rhabdomyolysis-induced Acute Kidney Injury. <i>Scientific Reports</i> , 2015, 5, 10901.	3.3	87
10	Role of the NLRP3 Inflammasome in Preeclampsia. <i>Frontiers in Endocrinology</i> , 2020, 11, 80.	3.5	68
11	GSDME-Dependent Incomplete Pyroptosis Permits Selective IL-1 β Release under Caspase-1 Inhibition. <i>iScience</i> , 2020, 23, 101070.	4.1	67
12	Palmitic acid induces interleukin-1 β secretion via NLRP3 inflammasomes and inflammatory responses through ROS production in human placental cells. <i>Journal of Reproductive Immunology</i> , 2016, 116, 104-112.	1.9	63
13	ASC in Renal Collecting Duct Epithelial Cells Contributes to Inflammation and Injury after Unilateral Ureteral Obstruction. <i>American Journal of Pathology</i> , 2014, 184, 1287-1298.	3.8	60
14	NLRP3 Deficiency Reduces Macrophage Interleukin-10 Production and Enhances the Susceptibility to Doxorubicin-induced Cardiotoxicity. <i>Scientific Reports</i> , 2016, 6, 26489.	3.3	56
15	NLRP3 Deficiency Improves Angiotensin II-Induced Hypertension But Not Fetal Growth Restriction During Pregnancy. <i>Endocrinology</i> , 2015, 156, 4281-4292.	2.8	54
16	Exogenous nanoparticles and endogenous crystalline molecules as danger signals for the NLRP3 inflammasomes. <i>Journal of Cellular Physiology</i> , 2019, 234, 5436-5450.	4.1	46
17	Oligomerized CARD16 promotes caspase-1 assembly and IL-1 β processing. <i>FEBS Open Bio</i> , 2015, 5, 348-356.	2.3	45
18	Interaction of Neutrophils with Macrophages Promotes IL-1 β Maturation and Contributes to Hepatic Ischemia-Reperfusion Injury. <i>Journal of Immunology</i> , 2017, 199, 3306-3315.	0.8	44

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19	The crystal-induced activation of NLRP3 inflammasomes in atherosclerosis. <i>Inflammation and Regeneration</i> , 2017, 37, 18.	3.7	41
20	Crucial role of NLRP3 inflammasome in a murine model of Kawasaki disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 138, 185-196.	1.9	37
21	Interferon-Tau Attenuates Uptake of Nanoparticles and Secretion of Interleukin-1 β in Macrophages. <i>PLoS ONE</i> , 2014, 9, e113974.	2.5	31
22	The cardiac glycoside ouabain activates NLRP3 inflammasomes and promotes cardiac inflammation and dysfunction. <i>PLoS ONE</i> , 2017, 12, e0176676.	2.5	31
23	NLRP3 Inflammasome Activation in Lung Vascular Endothelial Cells Contributes to Intestinal Ischemia/Reperfusion-Induced Acute Lung Injury. <i>Journal of Immunology</i> , 2020, 205, 1393-1405.	0.8	28
24	Immunoproteasome subunit LMP7 Deficiency Improves Obesity and Metabolic Disorders. <i>Scientific Reports</i> , 2015, 5, 15883.	3.3	24
25	Glucose regulates hypoxia-induced NLRP3 inflammasome activation in macrophages. <i>Journal of Cellular Physiology</i> , 2020, 235, 7554-7566.	4.1	24
26	Myeloid HMG-CoA (3-Hydroxy-3-Methylglutaryl-Coenzyme A) Reductase Determines Atherosclerosis by Modulating Migration of Macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2590-2600.	2.4	23
27	dsDNA-induced AIM2 pyroptosis halts aberrant inflammation during rhabdomyolysis-induced acute kidney injury. <i>Cell Death and Differentiation</i> , 2022, 29, 2487-2502.	11.2	23
28	Palmitic acid activates NLRP3 inflammasome and induces placental inflammation during pregnancy in mice. <i>Journal of Reproduction and Development</i> , 2020, 66, 241-248.	1.4	21
29	Adeno-associated Virus Vector-mediated Interleukin-10 Induction Prevents Vascular Inflammation in a Murine Model of Kawasaki Disease. <i>Scientific Reports</i> , 2018, 8, 7601.	3.3	19
30	Inflammasome-Independent and Atypical Processing of IL-1 β Contributes to Acid Aspiration-Induced Acute Lung Injury. <i>Journal of Immunology</i> , 2019, 203, 236-246.	0.8	19
31	Calciprotein Particles Induce IL-1 β /IL-18-Mediated Inflammation through NLRP3 Inflammasome-Dependent and -Independent Mechanisms. <i>ImmunoHorizons</i> , 2021, 5, 602-614.	1.8	16
32	Caspase-1 deficiency promotes high-fat diet-induced adipose tissue inflammation and the development of obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E881-E890.	3.5	15
33	Inflammasome Activation Aggravates Cutaneous Xanthomatosis and Atherosclerosis in ACAT1 (Acyl-CoA Cholesterol Acyltransferase 1) Deficiency in Bone Marrow. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2576-2589.	2.4	15
34	Role of TLR5 in inflammation and tissue damage after intestinal ischemia-reperfusion injury. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 15-22.	2.1	15
35	Crucial Role of NLRP3 Inflammasome in the Development of Peritoneal Dialysis-related Peritoneal Fibrosis. <i>Scientific Reports</i> , 2019, 9, 10363.	3.3	14
36	Serum Mac-2 binding protein glycosylation isomer predicts the activation of hepatic stellate cells after liver transplantation. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2019, 34, 418-424.	2.8	13

#	ARTICLE	IF	CITATIONS
37	Role of ferroptosis in acetaminophen-induced hepatotoxicity. Archives of Toxicology, 2020, 94, 1769-1770.	4.2	10
38	Î²-hydroxybutyrate suppresses NLRP3 inflammasome-mediated placental inflammation and lipopolysaccharide-induced fetal absorption. Journal of Reproductive Immunology, 2021, 148, 103433.	1.9	9
39	NLRP3 inflammasome is involved in testicular inflammation induced by lipopolysaccharide in mice. American Journal of Reproductive Immunology, 2022, 87, e13527.	1.2	9
40	Cryo-sensitive aggregation triggers NLRP3 inflammasome assembly in cryopyrin-associated periodic syndrome. ELife, 0, 11, .	6.0	9
41	Saturated fatty acid-crystals activate NLRP3 inflammasome. Aging, 2019, 11, 1613-1614.	3.1	7
42	ASC regulates platelet activation and contributes to thrombus formation independent of NLRP3 inflammasome. Biochemical and Biophysical Research Communications, 2020, 531, 125-132.	2.1	5
43	RIP140 as a novel therapeutic target in the treatment of atherosclerosis. Journal of Molecular and Cellular Cardiology, 2015, 81, 136-138.	1.9	2
44	Letter by Karasawa and Takahashi Regarding Article, "Anti-inflammatory and Antiatherogenic Effects of the Inflammasome NLRP3 Inhibitor Arglabin in ApoE2.Ki Mice Fed a High-Fat Diet" Circulation, 2015, 132, e249.	1.6	1