

Eizo Marutani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/972285/publications.pdf>

Version: 2024-02-01

27
papers

1,789
citations

331670

21
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

3034
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial dysfunction remodels one-carbon metabolism in human cells. <i>ELife</i> , 2016, 5, .	6.0	332
2	Surface-initiated atom transfer radical polymerization of methyl methacrylate on magnetite nanoparticles. <i>Polymer</i> , 2004, 45, 2231-2235.	3.8	192
3	Inhaled Hydrogen Sulfide Prevents Neurodegeneration and Movement Disorder in a Mouse Model of Parkinson's Disease. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 343-352.	5.4	149
4	Inhaled Hydrogen Sulfide Prevents Endotoxin-Induced Systemic Inflammation and Improves Survival by Altering Sulfide Metabolism in Mice. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 11-21.	5.4	106
5	An engineered enzyme that targets circulating lactate to alleviate intracellular NADH:NAD ⁺ imbalance. <i>Nature Biotechnology</i> , 2020, 38, 309-313.	17.5	86
6	Leigh Syndrome Mouse Model Can Be Rescued by Interventions that Normalize Brain Hyperoxia, but Not HIF Activation. <i>Cell Metabolism</i> , 2019, 30, 824-832.e3.	16.2	83
7	Cystathionine β -Lyase Deficiency Protects Mice from Galactosamine/Lipopolysaccharide-Induced Acute Liver Failure. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 204-216.	5.4	81
8	A Novel Hydrogen Sulfide-releasing N-Methyl-d-Aspartate Receptor Antagonist Prevents Ischemic Neuronal Death. <i>Journal of Biological Chemistry</i> , 2012, 287, 32124-32135.	3.4	73
9	Thiosulfate Mediates Cytoprotective Effects of Hydrogen Sulfide Against Neuronal Ischemia. <i>Journal of the American Heart Association</i> , 2015, 4, .	3.7	72
10	Sulfide catabolism ameliorates hypoxic brain injury. <i>Nature Communications</i> , 2021, 12, 3108.	12.8	71
11	High Concentrations of Nitric Oxide Inhalation Therapy in Pregnant Patients With Severe Coronavirus Disease 2019 (COVID-19). <i>Obstetrics and Gynecology</i> , 2020, 136, 1109-1113.	2.4	69
12	Sodium Thiosulfate Attenuates Acute Lung Injury in Mice. <i>Anesthesiology</i> , 2014, 121, 1248-1257.	2.5	63
13	Trapping Hydrogen Sulfide (H ₂ S) with Diselenides: The Application in the Design of Fluorescent Probes. <i>Organic Letters</i> , 2015, 17, 1541-1544.	4.6	54
14	Thiamine as a neuroprotective agent after cardiac arrest. <i>Resuscitation</i> , 2016, 105, 138-144.	3.0	49
15	Mitochondria-targeted hydrogen sulfide donor AP39 improves neurological outcomes after cardiac arrest in mice. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 49, 90-96.	2.7	47
16	Data-Driven Identification of Hydrogen Sulfide Scavengers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10898-10902.	13.8	43
17	Inhaled high dose nitric oxide is a safe and effective respiratory treatment in spontaneous breathing hospitalized patients with COVID-19 pneumonia. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 116, 7-13.	2.7	40
18	Improvement in Outcomes After Cardiac Arrest and Resuscitation by Inhibition of S-Nitrosoglutathione Reductase. <i>Circulation</i> , 2019, 139, 815-827.	1.6	36

#	ARTICLE	IF	CITATIONS
19	Cytoprotective effects of hydrogen sulfide-releasing <i>N</i> -methyl-D-aspartate receptor antagonists mediated by intracellular sulfane sulfur. <i>MedChemComm</i> , 2014, 5, 1577-1583.	3.4	31
20	Inhaled hydrogen sulfide prevents neuropathic pain after peripheral nerve injury in mice. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 46, 87-92.	2.7	29
21	Emerging pharmacological tools to control hydrogen sulfide signaling in critical illness. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 5.	1.9	23
22	Bedside Electrical Impedance Tomography Unveils Respiratory "Chimera" in COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 120-121.	5.6	16
23	Hypoxia ameliorates brain hyperoxia and NAD ⁺ deficiency in a murine model of Leigh syndrome. <i>Molecular Genetics and Metabolism</i> , 2021, 133, 83-93.	1.1	16
24	Breathing hydrogen sulfide prevents delayed paraplegia in mice. <i>Free Radical Biology and Medicine</i> , 2019, 131, 243-250.	2.9	15
25	A Sulfonyl Azide-Based Sulfide Scavenger Rescues Mice from Lethal Hydrogen Sulfide Intoxication. <i>Toxicological Sciences</i> , 2021, 183, 393-403.	3.1	7
26	Spraying urea solution reduces formaldehyde levels during gross anatomy courses. <i>Anatomical Science International</i> , 2019, 94, 209-215.	1.0	5
27	Inhaled nitric oxide improves post-cardiac arrest outcomes via guanylate cyclase-1 in bone marrow-derived cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, 125-126, 47-56.	2.7	1