

Jumpei Sasabe

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,535
citations

361413

20
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1839
citing authors

#	ARTICLE	IF	CITATIONS
1	D-Serine is a key determinant of glutamate toxicity in amyotrophic lateral sclerosis. <i>EMBO Journal</i> , 2007, 26, 4149-4159.	7.8	244
2	<scp>d</scp> -Amino acid oxidase controls motoneuron degeneration through <scp>d</scp> -serine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 627-632.	7.1	186
3	Interplay between microbial d-amino acids and host d-amino acid oxidase modifies murine mucosal defence and gut microbiota. <i>Nature Microbiology</i> , 2016, 1, 16125.	13.3	151
4	A Rac1/Phosphatidylinositol 3-Kinase/Akt3 Anti-apoptotic Pathway, Triggered by AlsinLF, the Product of the ALS2 Gene, Antagonizes Cu/Zn-superoxide Dismutase (SOD1) Mutant-induced Motoneuronal Cell Death. <i>Journal of Biological Chemistry</i> , 2005, 280, 4532-4543.	3.4	91
5	Development of a Femtomolar-Acting Humanin Derivative Named Colivelin by Attaching Activity-Dependent Neurotrophic Factor to Its N Terminus: Characterization of Colivelin-Mediated Neuroprotection against Alzheimer's Disease-Relevant Insults In Vitro and In Vivo. <i>Journal of Neuroscience</i> , 2005, 25, 10252-10261.	3.6	87
6	Deciphering the landscape of host barriers to <i>Listeria monocytogenes</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6334-6339.	7.1	68
7	Nasal Colivelin Treatment Ameliorates Memory Impairment Related to Alzheimer's Disease. <i>Neuropsychopharmacology</i> , 2008, 33, 2020-2032.	5.4	60
8	Emerging Role of D-Amino Acid Metabolism in the Innate Defense. <i>Frontiers in Microbiology</i> , 2018, 9, 933.	3.5	60
9	Implanted cannula-mediated repetitive administration of A β ²⁵⁻³⁵ into the mouse cerebral ventricle effectively impairs spatial working memory. <i>Behavioural Brain Research</i> , 2005, 164, 139-146.	2.2	59
10	Ischemic Acute Kidney Injury Perturbs Homeostasis of Serine Enantiomers in the Body Fluid in Mice: Early Detection of Renal Dysfunction Using the Ratio of Serine Enantiomers. <i>PLoS ONE</i> , 2014, 9, e86504.	2.5	57
11	High-resolution genetic analysis of the requirements for horizontal transmission of the ESBL plasmid from <i>Escherichia coli</i> O104:H4. <i>Nucleic Acids Research</i> , 2015, 43, 348-360.	14.5	53
12	Chemoproteomic profiling of host and pathogen enzymes active in cholera. <i>Nature Chemical Biology</i> , 2016, 12, 268-274.	8.0	53
13	Alteration of intrinsic amounts of d-serine in the mice lacking serine racemase and d-amino acid oxidase. <i>Amino Acids</i> , 2012, 43, 1919-1931.	2.7	43
14	Glycolytic flux controls <scp>d</scp> -serine synthesis through glyceraldehyde-3-phosphate dehydrogenase in astrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2217-24.	7.1	41
15	Colivelin prolongs survival of an ALS model mouse. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 793-798.	2.1	40
16	Activity of D-amino acid oxidase is widespread in the human central nervous system. <i>Frontiers in Synaptic Neuroscience</i> , 2014, 6, 14.	2.5	40
17	Host-microbe cross-talk governs amino acid chirality to regulate survival and differentiation of B cells. <i>Science Advances</i> , 2021, 7, .	10.3	37
18	A Genome-Wide Screen Reveals that the <i>Vibrio cholerae</i> Phosphoenolpyruvate Phosphotransferase System Modulates Virulence Gene Expression. <i>Infection and Immunity</i> , 2015, 83, 3381-3395.	2.2	31

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19	Distinctive Roles of D-Amino Acids in the Homochiral World: Chirality of Amino Acids Modulates Mammalian Physiology and Pathology. Keio Journal of Medicine, 2018, 68, 1-16.	1.1	31
20	Heterogeneity of D-Serine Distribution in the Human Central Nervous System. ASN Neuro, 2017, 9, 175909141771390.	2.7	28
21	Type 1 diabetes mellitus in mice increases hippocampal d-serine in the acute phase after streptozotocin injection. Brain Research, 2012, 1466, 167-176.	2.2	19
22	Cellular Origin and Regulation of <sc>D</sc>-and <sc>L</sc>-Serine in <i>in Vitro</i> and <i>in Vivo</i> Models of Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1928-1935.	4.3	18
23	Increased Listeria monocytogenes Dissemination and Altered Population Dynamics in Muc2-Deficient Mice. Infection and Immunity, 2021, 89, .	2.2	11
24	Chiral resolution of plasma amino acids reveals enantiomer-selective associations with organ functions. Amino Acids, 2022, 54, 421-432.	2.7	10
25	Serum d-serine accumulation after proximal renal tubular damage involves neutral amino acid transporter Asc-1. Scientific Reports, 2019, 9, 16705.	3.3	9
26	Astrocytic <sc>d</sc>-amino acid oxidase degrades <sc>d</sc>-serine in the hindbrain. FEBS Letters, 2022, 596, 2889-2897.	2.8	5
27	Abnormal d-Serine Metabolism in Amyotrophic Lateral Sclerosis. , 2016, , 137-149.		2
28	PEGylated d-serine dehydratase as a d-serine reducing agent. Journal of Pharmaceutical and Biomedical Analysis, 2015, 116, 34-39.	2.8	1