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List of Publications by Year
in descending order

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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	Chiral resolution of plasma amino acids reveals enantiomer-selective associations with organ functions. Amino Acids, 2022, 54, 421-432.	2.7	10
2	Astrocytic <scp>d</scp>â€amino acid oxidase degrades <scp>d</scp>â€serine in the hindbrain. FEBS Letters, 2022, 596, 2889-2897.	2.8	5
3	Host-microbe cross-talk governs amino acid chirality to regulate survival and differentiation of B cells. Science Advances, 2021, 7, .	10.3	37
4	Increased Listeria monocytogenes Dissemination and Altered Population Dynamics in Muc2-Deficient Mice. Infection and Immunity, 2021, 89, .	2.2	11
5	Serum d-serine accumulation after proximal renal tubular damage involves neutral amino acid transporter Asc-1. Scientific Reports, 2019, 9, 16705.	3.3	9
6	Emerging Role of D-Amino Acid Metabolism in the Innate Defense. Frontiers in Microbiology, 2018, 9, 933.	3.5	60
7	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
8	Deciphering the landscape of host barriers toListeria monocytogenesinfection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6334-6339.	7.1	68
9	Heterogeneity of D-Serine Distribution in the Human Central Nervous System. ASN Neuro, 2017, 9, 175909141771390.	2.7	28
10	Abnormal d-Serine Metabolism in Amyotrophic Lateral Sclerosis. , 2016, , 137-149.		2
11	Interplay between microbial d-amino acids and host d-amino acid oxidase modifies murine mucosal defence and gut microbiota. Nature Microbiology, 2016, 1, 16125.	13.3	151
12	Chemoproteomic profiling of host and pathogen enzymes active in cholera. Nature Chemical Biology, 2016, 12, 268-274.	8.0	53
13	A Genome-Wide Screen Reveals that the Vibrio cholerae Phosphoenolpyruvate Phosphotransferase System Modulates Virulence Gene Expression. Infection and Immunity, 2015, 83, 3381-3395.	2.2	31
14	PEGylated d-serine dehydratase as a d-serine reducing agent. Journal of Pharmaceutical and Biomedical Analysis, 2015, 116, 34-39.	2.8	1
15	High-resolution genetic analysis of the requirements for horizontal transmission of the ESBL plasmid from Escherichia coli O104:H4. Nucleic Acids Research, 2015, 43, 348-360.	14.5	53
16	Glycolytic flux controls <scp>d</scp> -serine synthesis through glyceraldehyde-3-phosphate dehydrogenase in astrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2217-24.	7.1	41
17	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. PLoS ONE, 2014, 9, e86504.	2.5	57
18	Activity of D-amino acid oxidase is widespread in the human central nervous system. Frontiers in Synaptic Neuroscience, 2014, 6, 14.	2.5	40

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19	Cellular Origin and Regulation of <scp>D</scp>-and <scp>L</scp>-Serine in in Vitro and in Vivo Models of Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1928-1935.	4.3	18
20	<scp>d</scp> -Amino acid oxidase controls motoneuron degeneration through <scp>d</scp> -serine. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 627-632.	7.1	186
21	Alteration of intrinsic amounts of d-serine in the mice lacking serine racemase and d-amino acid oxidase. Amino Acids, 2012, 43, 1919-1931.	2.7	43
22	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
23	Nasal Colivelin Treatment Ameliorates Memory Impairment Related to Alzheimer's Disease. Neuropsychopharmacology, 2008, 33, 2020-2032.	5.4	60
24	D-Serine is a key determinant of glutamate toxicity in amyotrophic lateral sclerosis. EMBO Journal, 2007, 26, 4149-4159.	7.8	244
25	Colivelin prolongs survival of an ALS model mouse. Biochemical and Biophysical Research Communications, 2006, 343, 793-798.	2.1	40
26	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. Journal of Biological Chemistry, 2005, 280, 4532-4543.	3.4	91
27	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. Journal of Neuroscience, 2005, 25, 10252-10261.	3.6	87
28	Implanted cannula-mediated repetitive administration of AÎ²25â€“35 into the mouse cerebral ventricle effectively impairs spatial working memory. Behavioural Brain Research, 2005, 164, 139-146.	2.2	59