

Jingjing Duan

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,985
citations

186209

28
h-index

289141

40
g-index

44
all docs

44
docs citations

44
times ranked

5273
citing authors

#	ARTICLE	IF	CITATIONS
1	Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes. <i>ACS Catalysis</i> , 2015, 5, 5207-5234.	5.5	800
2	Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. <i>Journal of Lipid Research</i> , 2015, 56, 722-736.	2.0	264
3	WNK1-regulated inhibitory phosphorylation of the KCC2 cotransporter maintains the depolarizing action of GABA in immature neurons. <i>Science Signaling</i> , 2015, 8, ra65.	1.6	133
4	Iron-Cluster-Directed Synthesis of 2D/2D Fe@C/MXene Superlattice-like Heterostructure with Enhanced Oxygen Reduction Electrocatalysis. <i>ACS Nano</i> , 2020, 14, 2436-2444.	7.3	130
5	Polycystin-2 is an essential ion channel subunit in the primary cilium of the renal collecting duct epithelium. <i>ELife</i> , 2018, 7, .	2.8	125
6	Neuronal accumulation of glucosylceramide in a mouse model of neuronopathic Gaucher disease leads to neurodegeneration. <i>Human Molecular Genetics</i> , 2014, 23, 843-854.	1.4	123
7	Structure of the mouse TRPC4 ion channel. <i>Nature Communications</i> , 2018, 9, 3102.	5.8	101
8	Structure of the mammalian TRPM7, a magnesium channel required during embryonic development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8201-E8210.	3.3	101
9	Structure of full-length human TRPM4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2377-2382.	3.3	77
10	1-Deoxysphingolipids Encountered Exogenously and Made de Novo: Dangerous Mysteries inside an Enigma. <i>Journal of Biological Chemistry</i> , 2015, 290, 15380-15389.	1.6	74
11	Dietary sphingolipids improve skin barrier functions via the upregulation of ceramide synthases in the epidermis. <i>Experimental Dermatology</i> , 2012, 21, 448-452.	1.4	69
12	Cryo-EM structure of TRPC5 at 2.8-Å... resolution reveals unique and conserved structural elements essential for channel function. <i>Science Advances</i> , 2019, 5, eaaw7935.	4.7	69
13	Impaired regulation of KCC2 phosphorylation leads to neuronal network dysfunction and neurodevelopmental pathology. <i>Science Signaling</i> , 2019, 12, .	1.6	66
14	Intestinal absorption of dietary maize glucosylceramide in lymphatic duct cannulated rats. <i>Journal of Lipid Research</i> , 2010, 51, 1761-1769.	2.0	61
15	Analysis of Glucosylceramides from Various Sources by Liquid Chromatography-Ion Trap Mass Spectrometry. <i>Journal of Oleo Science</i> , 2010, 59, 387-394.	0.6	59
16	The KCC2 Cotransporter and Human Epilepsy. <i>Neuroscientist</i> , 2016, 22, 555-562.	2.6	56
17	Developmentally regulated KCC2 phosphorylation is essential for dynamic GABA-mediated inhibition and survival. <i>Science Signaling</i> , 2019, 12, .	1.6	55
18	Two-Dimensional Nanomesh Arrays as Bifunctional Catalysts for N ₂ Electrolysis. <i>ACS Catalysis</i> , 2020, 10, 11371-11379.	5.5	55

#	ARTICLE	IF	CITATIONS
19	Identification of Modifier Genes in a Mouse Model of Gaucher Disease. <i>Cell Reports</i> , 2016, 16, 2546-2553.	2.9	52
20	A zero-dimensional nickel, iron-metal-organic framework (MOF) for synergistic N ₂ electrofixation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18810-18815.	5.2	52
21	Inhibition of the kinase WNK1/HSN2 ameliorates neuropathic pain by restoring GABA inhibition. <i>Science Signaling</i> , 2016, 9, ra32.	1.6	43
22	Biophysical Properties of Novel 1-Deoxy-(Dihydro)ceramides Occurring in Mammalian Cells. <i>Biophysical Journal</i> , 2014, 107, 2850-2859.	0.2	42
23	Crystal structure of SARS-CoV-2 main protease in complex with the natural product inhibitor shikonin illuminates a unique binding mode. <i>Science Bulletin</i> , 2021, 66, 661-663.	4.3	41
24	Effect of Dietary Porphyrin from the Red Alga, <i>Porphyra yezoensis</i> , on Glucose Metabolism in Diabetic KK-Ay Mice. <i>Journal of Nutritional Science and Vitaminology</i> , 2012, 58, 14-19.	0.2	40
25	Analysis and Comparison of Glucocerebroside Species from Three Edible Sea Cucumbers Using Liquid Chromatography-Ion Trap-Time-of-Flight Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12246-12253.	2.4	35
26	Control of CD1d-restricted antigen presentation and inflammation by sphingomyelin. <i>Nature Immunology</i> , 2019, 20, 1644-1655.	7.0	35
27	Identification of Glucosylceramides Containing Sphingatrienine in Maize and Rice Using Ion Trap Mass Spectrometry. <i>Lipids</i> , 2010, 45, 451-455.	0.7	33
28	Oral Glucosylceramide Reduces 2,4-Dinitrofluorobenzene Induced Inflammatory Response in Mice by Reducing TNF- α Levels and Leukocyte Infiltration. <i>Lipids</i> , 2011, 46, 505-512.	0.7	31
29	Biomimetic FeMo(Se, Te) as Joint Electron Pool Promoting Nitrogen Electrofixation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
30	Rapid Quantitative Analysis of Sphingolipids in Seafood Using HPLC with Evaporative Light-Scattering Detection: Its Application in Tissue Distribution of Sphingolipids in Fish. <i>Journal of Oleo Science</i> , 2010, 59, 509-513.	0.6	21
31	Dietary Cerebroside from Sea Cucumber (<i>Stichopus japonicus</i>): Absorption and Effects on Skin Barrier and Cecal Short-Chain Fatty Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7014-7021.	2.4	21
32	A shape-memory V ₃ O ₇ -H ₂ O electrocatalyst for foldable N ₂ fixation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1603-1609.	5.2	16
33	Oxidative stress elicited by modifying the ceramide acyl chain length reduces the rate of clathrin-mediated endocytosis. <i>Journal of Cell Science</i> , 2017, 130, 1486-1493.	1.2	15
34	Structure of SARS-CoV-2 main protease in the apo state. <i>Science China Life Sciences</i> , 2021, 64, 656-659.	2.3	15
35	Functional genomics reveals that tumors with activating phosphoinositide 3-kinase mutations are dependent on accelerated protein turnover. <i>Genes and Development</i> , 2016, 30, 2684-2695.	2.7	11
36	Analysis of 1-Deoxysphingoid Bases and Their N-Acyl Metabolites and Exploration of Their Occurrence in Some Food Materials. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12953-12961.	2.4	11

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37	Analysis of Chemical Structures of Glucosylceramides from Rice and Other Foodstuffs. Journal of Nutritional Science and Vitaminology, 2019, 65, S228-S230.	0.2	7
38	Biomimetic FeMo(Se, Te) as Joint Electron Pool Promoting Nitrogen Electrofixation. Angewandte Chemie, 2022, 134, .	1.6	3
39	Cryo-EM structure of mouse TRPML2 in lipid nanodiscs. Journal of Biological Chemistry, 2022, 298, 101487.	1.6	3
40	Ongoing studies of novel 1-Deoxy-sphingolipids in food. FASEB Journal, 2013, 27, 636.11.	0.2	1
41	Accumulation of Fatty Acylated Fusarium Toxin 2-Amino-14,16-dimethyloctadecan-3-ol, a Class of Novel 1-Deoxysphingolipid Analogues, during Food Storage. Journal of Agricultural and Food Chemistry, 2022, 70, 5151-5158.	2.4	0