

Frank Koopmans

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,356
citations

567281

15
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

3081
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-nuclei isoform RNA sequencing unlocks barcoded exon connectivity in frozen brain tissue. <i>Nature Biotechnology</i> , 2022, 40, 1082-1092.	17.5	52
2	Mapping genomic loci implicates genes and synaptic biology in schizophrenia. <i>Nature</i> , 2022, 604, 502-508.	27.8	929
3	Functional brain defects in a mouse model of a chromosomal t(1;11) translocation that disrupts DISC1 and confers increased risk of psychiatric illness. <i>Translational Psychiatry</i> , 2021, 11, 135.	4.8	3
4	Age-Dependent Hippocampal Proteomics in the APP/PS1 Alzheimer Mouse Model: A Comparative Analysis with Classical SWATH/DIA and directDIA Approaches. <i>Cells</i> , 2021, 10, 1588.	4.1	11
5	Systematic assessment of variability in the proteome of iPSC derivatives. <i>Stem Cell Research</i> , 2021, 56, 102512.	0.7	8
6	The proteome of granulovacuolar degeneration and neurofibrillary tangles in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2021, 141, 341-358.	7.7	29
7	Neuroproteomics of cognitively healthy centenarians in the context of aging and Alzheimer's disease.. <i>Alzheimer's and Dementia</i> , 2021, 17 Suppl 3, e053681.	0.8	0
8	Recent Developments in Data Independent Acquisition (DIA) Mass Spectrometry: Application of Quantitative Analysis of the Brain Proteome. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 564446.	2.9	47
9	Stitching the synapse: Cross-linking mass spectrometry into resolving synaptic protein interactions. <i>Science Advances</i> , 2020, 6, eaax5783.	10.3	74
10	Glycine Receptor Complex Analysis Using Immunoprecipitationâ€Blue Native Gel Electrophoresisâ€Mass Spectrometry. <i>Proteomics</i> , 2020, 20, e1900403.	2.2	7
11	Spliceâ€dependent transâ€synaptic <sc>PTP</sc> Î€“ <sc>IL</sc> 1 <sc>RAPL</sc> 1 interaction regulates synapse formation and nonâ€<sc>REM</sc> sleep. <i>EMBO Journal</i> , 2020, 39, e104150.	7.8	22
12	<sc>SALM</sc> 1 controls synapse development by promoting Fâ€actin/PIP2â€dependent Neurexin clustering. <i>EMBO Journal</i> , 2019, 38, e101289.	7.8	17
13	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , 2019, 103, 217-234.e4.	8.1	518
14	A Fast and Economical Sample Preparation Protocol for Interaction Proteomics Analysis. <i>Proteomics</i> , 2019, 19, 1900027.	2.2	11
15	Data-Independent Acquisition (SWATH) Mass Spectrometry Analysis of Protein Content in Primary Neuronal Cultures. <i>Neuromethods</i> , 2019, , 119-127.	0.3	4
16	MIR137 schizophrenia-associated locus controls synaptic function by regulating synaptogenesis, synapse maturation and synaptic transmission. <i>Human Molecular Genetics</i> , 2018, 27, 1879-1891.	2.9	58
17	Comparative Analyses of Data Independent Acquisition Mass Spectrometric Approaches: DIA, WiSIMâ€DIA, and Untargeted DIA. <i>Proteomics</i> , 2018, 18, 1700304.	2.2	71
18	Single-cell isoform RNA sequencing characterizes isoforms in thousands of cerebellar cells. <i>Nature Biotechnology</i> , 2018, 36, 1197-1202.	17.5	253

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19	Comparative Hippocampal Synaptic Proteomes of Rodents and Primates: Differences in Neuroplasticity-Related Proteins. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 364.	2.9	43
20	Correlation profiling of brain sub-cellular proteomes reveals co-assembly of synaptic proteins and subcellular distribution. <i>Scientific Reports</i> , 2017, 7, 12107.	3.3	55
21	Interaction proteomics of canonical Caspr2 (CNTNAP2) reveals the presence of two Caspr2 isoforms with overlapping interactomes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 827-833.	2.3	32
22	Interaction Proteomics Reveals Brain Region-Specific AMPA Receptor Complexes. <i>Journal of Proteome Research</i> , 2014, 13, 5695-5706.	3.7	63
23	Empirical Bayesian Random Censoring Threshold Model Improves Detection of Differentially Abundant Proteins. <i>Journal of Proteome Research</i> , 2014, 13, 3871-3880.	3.7	20
24	Identifying true protein complex constituents in interaction proteomics: The example of the DMXL2 protein complex. <i>Proteomics</i> , 2012, 12, 2428-2432.	2.2	27