Martin Margittai

List of Publications by Year
in descending order

38 papers	3,692 citations	186265 28 h-index	302126 39 g-index
39 all docs	39 docs citations	39 times ranked	3570 citing authors

#	Article	IF	Citations
1	Small Misfolded Tau Species Are Internalized via Bulk Endocytosis and Anterogradely and Retrogradely Transported in Neurons. Journal of Biological Chemistry, 2013, 288, 1856-1870.	3.4	436
2	Inhibition of SNARE Complex Assembly Differentially Affects Kinetic Components of Exocytosis. Cell, 1999, 99, 713-722.	28.9	286
3	Mixed and Non-cognate SNARE Complexes. Journal of Biological Chemistry, 1999, 274, 15440-15446.	3.4	271
4	Single-molecule fluorescence resonance energy transfer reveals a dynamic equilibrium between closed and open conformations of syntaxin 1. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15516-15521.	7.1	268
5	Template-assisted filament growth by parallel stacking of tau. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10278-10283.	7.1	264
6	Investigation of Î±-Synuclein Fibril Structure by Site-directed Spin Labeling. Journal of Biological Chemistry, 2007, 282, 24970-24979.	3.4	218
7	Determinants of liposome fusion mediated by synaptic SNARE proteins. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2858-2863.	7.1	176
8	The Synaptophysinâ€“Synaptobrevin Complex: a Hallmark of Synaptic Vesicle Maturation. Journal of Neuroscience, 1999, 19, 1922-1931.	3.6	168
9	A Transient N-terminal Interaction of SNAP-25 and Syntaxin Nucleates SNARE Assembly. Journal of Biological Chemistry, 2004, 279, 7613-7621.	3.4	165
10	Fibrils with parallel in-register structure constitute a major class of amyloid fibrils: molecular insights from electron paramagnetic resonance spectroscopy. Quarterly Reviews of Biophysics, 2008, 41, 265-297.	5.7	159
11	Rapid and Selective Binding to the Synaptic SNARE Complex Suggests a Modulatory Role of Complexins in Neuroexocytosis. Journal of Biological Chemistry, 2002, 277, 7838-7848.	3.4	121
12	Homo- and Heterooligomeric SNARE Complexes Studied by Site-directed Spin Labeling. Journal of Biological Chemistry, 2001, 276, 13169-13177.	3.4	115
13	SNAREs in native plasma membranes are active and readily form core complexes with endogenous and exogenous SNAREs. Journal of Cell Biology, 2002, 158, 751-760.	5.2	108
14	A stable interaction between syntaxin 1a and synaptobrevin 2 mediated by their transmembrane domains. FEBS Letters, 1999, 446, 40-44.	2.8	82
15	Variations in Filament Conformation Dictate Seeding Barrier between Three- and Four-Repeat Tau. Biochemistry, 2011, 50, 4330-4336.	2.5	81
16	Side Chain-dependent Stacking Modulates Tau Filament Structure. Journal of Biological Chemistry, 2006, 281, 37820-37827.	3.4	73
17	Amplification of Tau Fibrils from Minute Quantities of Seeds. Biochemistry, 2014, 53, 5804-5809.	2.5	71
18	RNA Binds to Tau Fibrils and Sustains Template-Assisted Growth. Biochemistry, 2015, 54, 4731-4740.	2.5	68

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19	Conformational Basis for Asymmetric Seeding Barrier in Filaments of Three- and Four-Repeat Tau. Journal of the American Chemical Society, 2012, 134, 10271-10278.	13.7	63
20	Cross-seeding and Conformational Selection between Three- and Four-repeat Human Tau Proteins. Journal of Biological Chemistry, 2012, 287, 14950-14959.	3.4	63
21	Three- and Four-repeat Tau Coassemble into Heterogeneous Filaments. Journal of Biological Chemistry, 2010, 285, 37920-37926.	3.4	56
22	The Habc Domain and the SNARE Core Complex Are Connected by a Highly Flexible Linker. Biochemistry, 2003, 42, 4009-4014.	2.5	41
23	Spin Labeling Analysis of Amyloids and Other Protein Aggregates. Methods in Enzymology, 2006, 413, 122-139.	1.0	40
24	Single Mutations in Tau Modulate the Populations of Fibril Conformers through Seed Selection. Angewandte Chemie - International Edition, 2014, 53, 1590-1593.	13.8	38
25	Structural disorder in four-repeat Tau fibrils reveals a new mechanism for barriers to cross-seeding of Tau isoforms. Journal of Biological Chemistry, 2018, 293, 17336-17348.	3.4	35
26	The distinct structural preferences of tau protein repeat domains. Chemical Communications, 2018, 54, 5700-5703.	4.1	35
27	Molecular insights into the reversible formation of tau protein fibrils. Chemical Communications, 2013, 49, 3582.	4.1	34
28	Fracture and Growth Are Competing Forces Determining the Fate of Conformers in Tau Fibril Populations. Journal of Biological Chemistry, 2016, 291, 12271-12281.	3.4	30
29	How Does Hyperphopsphorylation Promote Tau Aggregation and Modulate Filament Structure and Stability?. ACS Chemical Neuroscience, 2016, 7, 565-575.	3.5	27
30	Revealing Conformational Variants of Solutionâ€Phase Intrinsically Disordered Tau Protein at the Singleâ€Molecule Level. Angewandte Chemie - International Edition, 2017, 56, 15584-15588.	13.8	26
31	Assessment of Long-Term Effects of Sports-Related Concussions: Biological Mechanisms and Exosomal Biomarkers. Frontiers in Neuroscience, 2020, 14, 761.	2.8	16
32	Conformational fingerprinting of tau variants and strains by Raman spectroscopy. RSC Advances, 2021, 11, 8899-8915.	3.6	15
33	Time-resolved multirotational dynamics of single solution-phase tau proteins reveals details of conformational variation. Physical Chemistry Chemical Physics, 2019, 21, 1863-1871.	2.8	13
34	Small Neuron-Derived Extracellular Vesicles from Individuals with Down Syndrome Propagate Tau Pathology in the Wildtype Mouse Brain. Journal of Clinical Medicine, 2021, 10, 3931.	2.4	10
35	Spin Labeling and Characterization of Tau Fibrils Using Electron Paramagnetic Resonance (EPR). Methods in Molecular Biology, 2016, 1345, 185-199.	0.9	6
36	Revealing Conformational Variants of Solutionâ€Phase Intrinsically Disordered Tau Protein at the Singleâ€Molecule Level. Angewandte Chemie, 2017, 129, 15790-15794.	2.0	4

#	Article	IF	Citations
37	A thiol-based intramolecular redox switch in four-repeat tau controls fibril assembly and disassembly. Journal of Biological Chemistry, 2021, 297, 101021.	3.4	4
38	Driving tau into phase-separated liquid droplets. Journal of Biological Chemistry, 2019, 294, 11060-11061.	3.4	1