# Martin Margittai

List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Conformational fingerprinting of tau variants and strains by Raman spectroscopy. RSC Advances, 2021, 11, 8899-8915. | 3.6 | 15 |
| 2 | 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 |
| 3 | 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 |
| 4 | Assessment of Long-Term Effects of Sports-Related Concussions: Biological Mechanisms and Exosomal Biomarkers. Frontiers in Neuroscience, 2020, 14, 761. | 2.8 | 16 |
| 5 | Driving tau into phase-separated liquid droplets. Journal of Biological Chemistry, 2019, 294, 11060-11061. | 3.4 | 1 |
| 6 | 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 |
| 7 | 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 |
| 8 | The distinct structural preferences of tau protein repeat domains. Chemical Communications, 2018, 54, 5700-5703. | 4.1 | 35 |
| 9 | 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 |
| 10 | Revealing Conformational Variants of Solutionâ€Phase Intrinsically Disordered Tau Protein at the Singleâ€Molecule Level. Angewandte Chemie, 2017, 129, 15790-15794. | 2.0 | 4 |
| 11 | How Does Hyperphopsphorylation Promote Tau Aggregation and Modulate Filament Structure and Stability?. ACS Chemical Neuroscience, 2016, 7, 565-575. | 3.5 | 27 |
| 12 | 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 |
| 13 | Spin Labeling and Characterization of Tau Fibrils Using Electron Paramagnetic Resonance (EPR). Methods in Molecular Biology, 2016, 1345, 185-199. | 0.9 | 6 |
| 14 | RNA Binds to Tau Fibrils and Sustains Template-Assisted Growth. Biochemistry, 2015, 54, 4731-4740. | 2.5 | 68 |
| 15 | Amplification of Tau Fibrils from Minute Quantities of Seeds. Biochemistry, 2014, 53, 5804-5809. | 2.5 | 71 |
| 16 | Single Mutations in Tau Modulate the Populations of Fibril Conformers through Seed Selection. Angewandte Chemie - International Edition, 2014, 53, 1590-1593. | 13.8 | 38 |
| 17 | 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 |
| 18 | Molecular insights into the reversible formation of tau protein fibrils. Chemical Communications, 2013, 49, 3582. | 4.1 | 34 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 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 | Variations in Filament Conformation Dictate Seeding Barrier between Three- and Four-Repeat Tau. Biochemistry, 2011, 50, 4330-4336. | 2.5 | 81 |
| 22 | Three- and Four-repeat Tau Coassemble into Heterogeneous Filaments. Journal of Biological Chemistry, 2010, 285, 37920-37926. | 3.4 | 56 |
| 23 | 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 |
| 24 | Investigation of Î±-Synuclein Fibril Structure by Site-directed Spin Labeling. Journal of Biological Chemistry, 2007, 282, 24970-24979. | 3.4 | 218 |
| 25 | Spin Labeling Analysis of Amyloids and Other Protein Aggregates. Methods in Enzymology, 2006, 413, 122-139. | 1.0 | 40 |
| 26 | Side Chain-dependent Stacking Modulates Tau Filament Structure. Journal of Biological Chemistry, 2006, 281, 37820-37827. | 3.4 | 73 |
| 27 | 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 |
| 28 | 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 |
| 29 | A Transient N-terminal Interaction of SNAP-25 and Syntaxin Nucleates SNARE Assembly. Journal of Biological Chemistry, 2004, 279, 7613-7621. | 3.4 | 165 |
| 30 | The Habc Domain and the SNARE Core Complex Are Connected by a Highly Flexible Linker. Biochemistry, 2003, 42, 4009-4014. | 2.5 | 41 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Homo- and Heterooligomeric SNARE Complexes Studied by Site-directed Spin Labeling. Journal of Biological Chemistry, 2001, 276, 13169-13177. | 3.4 | 115 |
| 35 | The Synaptophysinâ€"Synaptobrevin Complex: a Hallmark of Synaptic Vesicle Maturation. Journal of Neuroscience, 1999, 19, 1922-1931. | 3.6 | 168 |
| 36 | Mixed and Non-cognate SNARE Complexes. Journal of Biological Chemistry, 1999, 274, 15440-15446. | 3.4 | 271 |

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|---|---|---|---|
| 37 | A stable interaction between syntaxin 1a and synaptobrevin 2 mediated by their transmembrane domains. FEBS Letters, 1999, 446, 40-44. | 2.8 | 82 |
| 38 | Inhibition of SNARE Complex Assembly Differentially Affects Kinetic Components of Exocytosis. Cell, 1999, 99, 713-722. | 28.9 | 286 |