Michael S Wolfe

List of Publications by Year
in descending order

50 papers	3,115 citations	236925 25 h-index	223800 46 g-index
57 all docs	57 docs citations	57 times ranked	3930 citing authors

#	Article	IF	Citations
1	Presenilins and Â-Secretase: Structure, Function, and Role in Alzheimer Disease. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a006304-a006304.	6.2	375
2	Presenilin: Running with Scissors in the Membrane. Cell, 2007, 131, 215-221.	28.9	342
3	A Substrate-Based Difluoro Ketone Selectively Inhibits Alzheimer's Î³-Secretase Activity. Journal of Medicinal Chemistry, 1998, 41, 6-9.	6.4	219
4	The Î³-Secretase Complex:Â Membrane-Embedded Proteolytic Ensemble. Biochemistry, 2006, 45, 7931-7939.	2.5	191
5	When loss is gain: reduced presenilin proteolytic function leads to increased AÎ²42/AÎ²40. EMBO Reports, 2007, 8, 136-140.	4.5	183
6	Therapeutic strategies for Alzheimer's disease. Nature Reviews Drug Discovery, 2002, 1, 859-866.	46.4	167
7	Tau Mutations in Neurodegenerative Diseases. Journal of Biological Chemistry, 2009, 284, 6021-6025.	3.4	140
8	The amyloid-beta forming tripeptide cleavage mechanism of Î³-secretase. ELife, 2016, 5, .	6.0	140
9	Nicastrin functions to sterically hinder Î³-secretaseâ€"substrate interactions driven by substrate transmembrane domain. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E509-18.	7.1	122
10	Alternative polyadenylation and miRâ€34 family members regulate tau expression. Journal of Neurochemistry, 2013, 127, 739-749.	3.9	116
11	Shutting Down Alzheimer's. Scientific American, 2006, 294, 72-79.	1.0	112
12	Stabilization of the Tau Exon 10 Stem Loop Alters Pre-mRNA Splicing. Journal of Biological Chemistry, 2006, 281, 23302-23306.	3.4	94
13	A Gâ€Rich element forms a Gâ€quadruplex and regulates BACE1 mRNA alternative splicing. Journal of Neurochemistry, 2012, 121, 763-773.	3.9	84
14	Structural Basis for Stabilization of the Tau Pre-mRNA Splicing Regulatory Element by Novantrone (Mitoxantrone). Chemistry and Biology, 2009, 16, 557-566.	6.0	82
15	Structure and Function of the Î³-Secretase Complex. Biochemistry, 2019, 58, 2953-2966.	2.5	78
16	The Role of Tau in Neurodegenerative Diseases and Its Potential as a Therapeutic Target. Scientifica, 2012, 2012, 1-20.	1.7	55
17	Mitoxantrone Analogues as Ligands for a Stemâ"Loop Structure of Tau Pre-mRNA. Journal of Medicinal Chemistry, 2009, 52, 6523-6526.	6.4	52
18	Promotion of BACE1 mRNA Alternative Splicing Reduces Amyloid Î²-Peptide Production. Journal of Biological Chemistry, 2008, 283, 18694-18701.	3.4	43

#	ARTICLE	IF	CITATIONS
19	Targeting a pre-mRNA structure with bipartite antisense molecules modulates tau alternative splicing. Nucleic Acids Research, 2012, 40, 9836-9849.	14.5	43
20	Transmembrane Substrate Determinants for Î³-Secretase Processing of APP CTFÎ². Biochemistry, 2016, 55, 5675-5688.	2.5	40
21	γ-Secretase as a Target for Alzheimers Disease. Current Topics in Medicinal Chemistry, 2002, 2, 371-383.	2.1	38
22	Identification of Tau Stem Loop RNA Stabilizers. Journal of Biomolecular Screening, 2007, 12, 789-799.	2.6	35
23	Mechanisms of Î³-Secretase Activation and Substrate Processing. ACS Central Science, 2020, 6, 969-983.	11.3	34
24	Familial Alzheimerâ€™s disease mutations in amyloid protein precursor alter proteolysis by Î³-secretase to increase amyloid Î²-peptides of â‰¥45 residues. Journal of Biological Chemistry, 2021, 296, 100281.	3.4	34
25	The secretases of Alzheimer's disease. Current Topics in Developmental Biology, 2003, 54, 233-261.	2.2	31
26	Rapid Notch1 Nuclear Translocation after Ligand Binding Depends on Presenilinâ€associated Î³â€Secretase Activity. Annals of the New York Academy of Sciences, 2000, 920, 223-226.	3.8	29
27	Sorting Out Presenilins in Alzheimerâ€™s Disease. Cell, 2016, 166, 13-15.	28.9	28
28	Molecular Characterization of Disrupted in Schizophrenia-1 Risk Variant S704C Reveals the Formation of Altered Oligomeric Assembly. Journal of Biological Chemistry, 2011, 286, 44266-44276.	3.4	26
29	Mechanism of Tripeptide Trimming of Amyloid Î²-Peptide 49 by Î³-Secretase. Journal of the American Chemical Society, 2022, 144, 6215-6226.	13.7	26
30	Hydrophilic loop 1 of Presenilin-1 and the APP GxxxG transmembrane motif regulate Î³-secretase function in generating Alzheimer-causing AÎ² peptides. Journal of Biological Chemistry, 2021, 296, 100393.	3.4	22
31	Presenilin/Î³-Secretase Activity Is Located in Acidic Compartments of Live Neurons. Journal of Neuroscience, 2022, 42, 145-154.	3.6	19
32	Probing Mechanisms and Therapeutic Potential of Î³-Secretase in Alzheimerâ€™s Disease. Molecules, 2021, 26, 388.	3.8	15
33	Unlocking truths of Î³-secretase in Alzheimer's disease: what is the translational potential?. Future Neurology, 2014, 9, 419-429.	0.5	12
34	Design of Substrate Transmembrane Mimetics as Structural Probes for Î³-Secretase. Journal of the American Chemical Society, 2020, 142, 3351-3355.	13.7	11
35	Introduction to Special Issue on Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2012, 55, 8977-8978.	6.4	10
36	Targeting mRNA for Alzheimerâ€™s and Related Dementias. Scientifica, 2014, 2014, 1-13.	1.7	10

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37	Template-directed synthesis of a small molecule-antisense conjugate targeting an mRNA structure. Bioorganic Chemistry, 2014, 54, 7-11.	4.1	10
38	Giving Alzheimer's the Old One-Two. Cell, 2010, 142, 194-196.	28.9	9
39	Structure of nicastrin unveils secrets of Î³-secretase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14643-14644.	7.1	7
40	Î³-Secretase: A Horseshoe Structure Brings Good Luck. Cell, 2014, 158, 247-249.	28.9	6
41	A Tribute to Ronald T. Borchardtâ€"Teacher, Mentor, Scientist, Colleague, Leader, Friend, and Family Man. Journal of Pharmaceutical Sciences, 2016, 105, 370-385.	3.3	4
42	Designed Helical Peptides as Functional Probes for Î³-Secretase. Biochemistry, 2019, 58, 4398-4407.	2.5	4
43	Targeting Î³-secretase for familial Alzheimerâ€™s disease. Medicinal Chemistry Research, 2021, 30, 1321-1327.	2.4	4
44	Design of Transmembrane Mimetic Structural Probes to Trap Different Stages of Î³-Secretaseâ€"Substrate Interaction. Journal of Medicinal Chemistry, 2021, 64, 15367-15378.	6.4	4
45	P4â€071: The Amyloidâ€B Generating Triâ€Peptide Cleavage Mechanism of Gammaâ€Secretase: Implications for Alzheimer's Disease. Alzheimer's and Dementia, 2016, 12, P1041.	0.8	3
46	Substrate-based chemical probes for Alzheimerâ€™s Î³-secretase. Medicinal Chemistry Research, 2020, 29, 1122-1132.	2.4	2
47	P4-221: Nicastrin functions as a molecular gatekeeper to a high-affinity Î³-secretase-substrate interaction driven by substrate transmembrane domain. , 2015, 11, P864-P864.		1
48	S2-03-01: Splicing and dicing in APP processing: Targeting proteases and mRNAs that regulate A-beta production. , 2010, 6, S93-S93.		0
49	P1-082: Investigation of substrate determinants for proteolysis of app ctfÎ² by gamma-secretase. , 2015, 11, P370-P371.		0
50	Cutting in on a secretase pas de deux. Cell Research, 2015, 25, 1091-1092.	12.0	0