Jan Bieschke

List of Publications by Year in Descending Order

42 papers	5,446 citations	29 h-index	49 g-index
49 ext. papers	6,009 ext. citations	7.9 avg, IF	5.29 L-index

#	Paper	IF	Citations
42	VCP suppresses proteopathic seeding in neurons.. *Molecular Neurodegeneration*, **2022**, 17, 30	19	0
41	Brazilin Removes Toxic Alpha-Synuclein and Seeding Competent Assemblies from Parkinson Brain by Altering Conformational Equilibrium. *Journal of Molecular Biology*, **2021**, 433, 166878	6.5	3
40	Detection of TAR DNA-binding protein 43 (TDP-43) oligomers as initial intermediate species during aggregate formation. *Journal of Biological Chemistry*, **2019**, 294, 6696-6709	5.4	44
39	Desmin forms toxic, seeding-competent amyloid aggregates that persist in muscle fibers. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16835-16840	11.5	18
38	Long-term, super-resolution imaging of amyloid structures using transient amyloid binding microscopy **2019**,		2
37	Super-resolution Imaging of Amyloid Structures over Extended Times by Using Transient Binding of Single Thioflavin T Molecules. *ChemBioChem*, **2018**, 19, 1944-1948	3.8	21
36	Aggregation of Full-length Immunoglobulin Light Chains from Systemic Light Chain Amyloidosis (AL) Patients Is Remodeled by Epigallocatechin-3-gallate. *Journal of Biological Chemistry*, **2017**, 292, 2328-2344	5.4	26
35	Glucose directs amyloid-beta into membrane-active oligomers. *Physical Chemistry Chemical Physics*, **2017**, 19, 18036-18046	3.6	14
34	Stabilization of □Synuclein Fibril Clusters Prevents Fragmentation and Reduces Seeding Activity and Toxicity. *Biochemistry*, **2016**, 55, 675-85	3.2	22
33	Amyloid-□(1-42) Aggregation Initiates Its Cellular Uptake and Cytotoxicity. *Journal of Biological Chemistry*, **2016**, 291, 19590-606	5.4	61
32	Tau Trimers Are the Minimal Propagation Unit Spontaneously Internalized to Seed Intracellular Aggregation. *Journal of Biological Chemistry*, **2015**, 290, 14893-903	5.4	140
31	The Effect of (-)-Epigallo-catechin-(3)-gallate on Amyloidogenic Proteins Suggests a Common Mechanism. *Advances in Experimental Medicine and Biology*, **2015**, 863, 139-61	3.6	40
30	The green tea polyphenol (-)-epigallocatechin gallate prevents the aggregation of tau protein into toxic oligomers at substoichiometric ratios. *FEBS Letters*, **2015**, 589, 77-83	3.8	134
29	Surface adsorption considerations when working with amyloid fibrils in multiwell plates and Eppendorf tubes. *Protein Science*, **2013**, 22, 1531-41	6.3	25
28	Natural compounds may open new routes to treatment of amyloid diseases. *Neurotherapeutics*, **2013**, 10, 429-39	6.4	55
27	Counting unstained, confluent cells by modified bright-field microscopy. *BioTechniques*, **2013**, 55, 28-33	2.5	29
26	Structural properties of EGCG-induced, nontoxic Alzheimer's disease A□ oligomers. *Journal of Molecular Biology*, **2012**, 421, 517-24	6.5	126

25	670 nm laser light and EGCG complementarily reduce amyloid-β aggregates in human neuroblastoma cells: basis for treatment of Alzheimer's disease?. *Photomedicine and Laser Surgery*, **2012**, 30, 54-60		50
24	Small-molecule conversion of toxic oligomers to nontoxic β-sheet-rich amyloid fibrils. *Nature Chemical Biology*, **2011**, 8, 93-101	11.7	337
23	Black tea theaflavins inhibit formation of toxic amyloid-β and α-synuclein fibrils. *Biochemistry*, **2011**, 50, 10624-36	3.2	98
22	Bacterial inclusion bodies of Alzheimer's disease β-amyloid peptides can be employed to study native-like aggregation intermediate states. *ChemBioChem*, **2011**, 12, 407-23	3.8	81
21	EGCG remodels mature alpha-synuclein and amyloid-beta fibrils and reduces cellular toxicity. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7710-5	11.5	726
20	Grüner Tee – neue Einsichten für einen alten Wirkstoff. *Chemie in Unserer Zeit*, **2010**, 44, 306-307	0.2	1
19	A kinetic assessment of the C. elegans amyloid disaggregation activity enables uncoupling of disassembly and proteolysis. *Protein Science*, **2009**, 18, 2231-41	6.3	29
18	EGCG redirects amyloidogenic polypeptides into unstructured, off-pathway oligomers. *Nature Structural and Molecular Biology*, **2008**, 15, 558-66	17.6	1065
17	Alzheimer's Abeta peptides containing an isostructural backbone mutation afford distinct aggregate morphologies but analogous cytotoxicity. Evidence for a common low-abundance toxic structure(s)?. *Biochemistry*, **2008**, 47, 50-9	3.2	35
16	The oxidative stress metabolite 4-hydroxynonenal promotes Alzheimer protofibril formation. *Biochemistry*, **2007**, 46, 1503-10	3.2	129
15	Structure-function-folding relationship in a WW domain. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 10648-53	11.5	176
14	Opposing activities protect against age-onset proteotoxicity. *Science*, **2006**, 313, 1604-10	33.3	701
13	Amide-to-E-olefin versus amide-to-ester backbone H-bond perturbations: Evaluating the O-O repulsion for extracting H-bond energies. *Journal of the American Chemical Society*, **2006**, 128, 15948-9	16.4	36
12	Small molecule oxidation products trigger disease-associated protein misfolding. *Accounts of Chemical Research*, **2006**, 39, 611-9	24.3	92
11	E-olefin dipeptide isostere incorporation into a polypeptide backbone enables hydrogen bond perturbation: probing the requirements for Alzheimer's amyloidogenesis. *Journal of the American Chemical Society*, **2005**, 127, 15366-7	16.4	43
10	Automated PrPres amplification using indirect sonication. *Journal of Proteomics*, **2005**, 63, 213-21		13
9	Single particle detection and characterization of synuclein co-aggregation. *Biochemical and Biophysical Research Communications*, **2005**, 333, 1202-10	3.4	46
8	Oxidative metabolites accelerate Alzheimer's amyloidogenesis by a two-step mechanism, eliminating the requirement for nucleation. *Biochemistry*, **2005**, 44, 4977-83	3.2	125

7	Systematic identification of antiprion drugs by high-throughput screening based on scanning for intensely fluorescent targets. *Journal of Virology*, **2005**, 79, 7785-91	6.6	62
6	Autocatalytic self-propagation of misfolded prion protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12207-11	11.5	97
5	Metabolite-initiated protein misfolding may trigger Alzheimer's disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 4752-7	11.5	195
4	Differential constitutive and activation-dependent expression of prion protein in human peripheral blood leucocytes. *British Journal of Haematology*, **2000**, 108, 488-95	4.5	63
3	Ultrasensitive detection of pathological prion protein aggregates by dual-color scanning for intensely fluorescent targets. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 5468-73	11.5	196
2	Rapid assay processing by integration of dual-color fluorescence cross-correlation spectroscopy: high throughput screening for enzyme activity. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 1421-6	11.5	138
1	Kinetic investigations by fluorescence correlation spectroscopy: the analytical and diagnostic potential of diffusion studies. *Biophysical Chemistry*, **1997**, 66, 211-28	3.5	150