

Marten Beeg

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,098
citations

279487

23
h-index

360668

35
g-index

38
all docs

38
docs citations

38
times ranked

3791
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic amyloid- β oligomers impair long-term memory independently of cellular prion protein. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2295-2300.	3.3	435
2	A Recessive Mutation in the APP Gene with Dominant-Negative Effect on Amyloidogenesis. Science, 2009, 323, 1473-1477.	6.0	357
3	Lipid-based nanoparticles with high binding affinity for amyloid- β 1-42 peptide. Biomaterials, 2010, 31, 6519-6529.	5.7	190
4	Development of a Proteolytically Stable Retro-Inverso Peptide Inhibitor of β -Amyloid Oligomerization as a Potential Novel Treatment for Alzheimer's Disease. Biochemistry, 2010, 49, 3261-3272.	1.2	139
5	Clusterin Binds to β 1-42 Oligomers with High Affinity and Interferes with Peptide Aggregation by Inhibiting Primary and Secondary Nucleation. Journal of Biological Chemistry, 2016, 291, 6958-6966.	1.6	99
6	A portable optical-fibre-based surface plasmon resonance biosensor for the detection of therapeutic antibodies in human serum. Scientific Reports, 2020, 10, 11154.	1.6	82
7	Conformational Plasticity of the Gerstmann-Str�ussler-Scheinker Disease Peptide as Indicated by Its Multiple Aggregation Pathways. Journal of Molecular Biology, 2008, 381, 1349-1361.	2.0	56
8	A Surface Plasmon Resonance-based assay to measure serum concentrations of therapeutic antibodies and anti-drug antibodies. Scientific Reports, 2019, 9, 2064.	1.6	53
9	Specific Recognition of Biologically Active Amyloid- β Oligomers by a New Surface Plasmon Resonance-based Immunoassay and an in Vivo Assay in Caenorhabditis elegans. Journal of Biological Chemistry, 2012, 287, 27796-27805.	1.6	52
10	Doxycycline counteracts neuroinflammation restoring memory in Alzheimer's disease mouse models. Neurobiology of Aging, 2018, 70, 128-139.	1.5	52
11	Time evolution of amyloid fibril length distribution described by a population balance model. Chemical Engineering Science, 2012, 78, 21-32.	1.9	46
12	A modified protocol to prepare seed-free starting solutions of amyloid- β (β 1-40 and β 1-42) from the corresponding depsiptides. Analytical Biochemistry, 2011, 411, 297-299.	1.1	38
13	Cardiac Light Chain Amyloidosis: The Role of Metal Ions in Oxidative Stress and Mitochondrial Damage. Antioxidants and Redox Signaling, 2017, 27, 567-582.	2.5	38
14	Cellular prion protein neither binds to alpha-synuclein oligomers nor mediates their detrimental effects. Brain, 2019, 142, 249-254.	3.7	38
15	Use of surface plasmon resonance to study the elongation kinetics and the binding properties of the highly amyloidogenic β 1-42 peptide, synthesized by depsi-peptide technique. Biosensors and Bioelectronics, 2011, 26, 2772-2775.	5.3	36
16	Different mutations at V363 MAPT codon are associated with atypical clinical phenotypes and show unusual structural and functional features. Neurobiology of Aging, 2014, 35, 408-417.	1.5	36
17	Gerstmann-Str�ussler-Scheinker Disease Amyloid Protein Polymerizes According to the "Dock-and-Lock" Model. Journal of Biological Chemistry, 2006, 281, 843-849.	1.6	33
18	QSAR model for blood-brain barrier permeation. Journal of Pharmacological and Toxicological Methods, 2017, 88, 7-18.	0.3	33

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19	Monte Carlo method for predicting of cardiac toxicity: hERG blocker compounds. <i>Toxicology Letters</i> , 2016, 250-251, 42-46.	0.4	31
20	New mutations in MAPT gene causing frontotemporal lobar degeneration: biochemical and structural characterization. <i>Neurobiology of Aging</i> , 2012, 33, 834.e1-834.e6.	1.5	28
21	The Anti-Amyloidogenic Action of Doxycycline: A Molecular Dynamics Study on the Interaction with A β 42. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4641.	1.8	28
22	Fingolimod Limits Acute A β Neurotoxicity and Promotes Synaptic Versus Extrasynaptic NMDA Receptor Functionality in Hippocampal Neurons. <i>Scientific Reports</i> , 2017, 7, 41734.	1.6	27
23	Humanin Specifically Interacts with Amyloid- β Oligomers and Counteracts Their in vivo Toxicity. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 857-871.	1.2	23
24	Can Antiviral Activity of Licorice Help Fight COVID-19 Infection?. <i>Biomolecules</i> , 2021, 11, 855.	1.8	23
25	In Vitro Aggregation Behavior of a Non-Amyloidogenic λ Light Chain Dimer Deriving from U266 Multiple Myeloma Cells. <i>PLoS ONE</i> , 2012, 7, e33372.	1.1	21
26	Characterization of the neutralizing anti- ϵ -emicizumab antibody in a patient with hemophilia A and inhibitor. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 711-718.	1.9	19
27	The new β amyloid-derived peptide A β 1-6A2V-TAT(D) prevents A β oligomer formation and protects transgenic <i>C. elegans</i> from A β toxicity. <i>Neurobiology of Disease</i> , 2016, 88, 75-84.	2.1	17
28	Utilization of the Monte Carlo Method to Build up QSAR Models for Hemolysis and Cytotoxicity of Antimicrobial Peptides. <i>Current Drug Discovery Technologies</i> , 2017, 14, 229-243.	0.6	17
29	Novel approaches for studying amyloidogenic peptides/proteins. <i>Current Opinion in Pharmacology</i> , 2013, 13, 797-801.	1.7	15
30	The Anti-Prion Antibody 15B3 Detects Toxic Amyloid- β Oligomers. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 1485-1497.	1.2	12
31	Characterization of raloxifene as a potential pharmacological agent against SARS-CoV-2 and its variants. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	9
32	Surface plasmon resonance unveils important pitfalls of enzyme-linked immunoassay for the detection of anti-infliximab antibodies in patients' sera. <i>Scientific Reports</i> , 2021, 11, 14976.	1.6	7
33	Nonphosphorylated tau slows down A β 42 aggregation, binds to A β 42 oligomers, and reduces A β 42 toxicity. <i>Journal of Biological Chemistry</i> , 2021, 296, 100664.	1.6	3
34	Doxycycline Inhibition of a Pseudotyped Virus Transduction Does Not Translate to Inhibition of SARS-CoV-2 Infectivity. <i>Viruses</i> , 2021, 13, 1745.	1.5	2
35	A novel hotspot of gelsolin instability triggers an alternative mechanism of amyloid aggregation. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 6355-6365.	1.9	2
36	A Surface Plasmon Resonance-Based Assay for Simultaneous Measurement of Concentrations of and Anti-Drug. <i>Methods in Molecular Biology</i> , 2022, 2313, 323-336.	0.4	0

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37	New nanostructures inhibiting human mannose binding lectin identified by a novel surface plasmon resonance assay. <i>Sensors and Actuators B: Chemical</i> , 2022, 360, 131661.	4.0	0