

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67
papers

2,119
citations

25
h-index

44
g-index

73
ext. papers

2,417
ext. citations

4.8
avg, IF

4.44
L-index

#	Paper	IF	Citations
67	Amyloid beta-induced neuronal hyperexcitability triggers progressive epilepsy. <i>Journal of Neuroscience</i> , 2009 , 29, 3453-62	6.6	422
66	Effects of the alternating backbone configuration on the secondary structure and self-assembly of beta-peptides. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13539-44	16.4	110
65	Functionalization of gold nanoparticles with amino acid, beta-amyloid peptides and fragment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 81, 235-41	6	106
64	Secondary structure dependent self-assembly of beta-peptides into nanosized fibrils and membranes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2396-400	16.4	97
63	Non-fibrillar beta-amyloid abates spike-timing-dependent synaptic potentiation at excitatory synapses in layer 2/3 of the neocortex by targeting postsynaptic AMPA receptors. <i>European Journal of Neuroscience</i> , 2006 , 23, 2035-47	3.5	69
62	βAmyloid and the Pathomechanisms of Alzheimer's Disease: A Comprehensive View. <i>Molecules</i> , 2017 , 22,	4.8	62
61	Building βpeptide H10/12 foldamer helices with six-membered cyclic side-chains: fine-tuning of folding and self-assembly. <i>Organic Letters</i> , 2010 , 12, 5584-7	6.2	61
60	In vitro model of neurotoxicity of Aβeta 1-42 and neuroprotection by a pentapeptide: irreversible events during the first hour. <i>Neurobiology of Disease</i> , 2004 , 17, 507-15	7.5	61
59	The Role of Sigma-1 Receptor, an Intracellular Chaperone in Neurodegenerative Diseases. <i>Current Neuropharmacology</i> , 2018 , 16, 97-116	7.6	57
58	Dietary energy substrates reverse early neuronal hyperactivity in a mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2013 , 125, 157-71	6	56
57	Reversible Opening of Intercellular Junctions of Intestinal Epithelial and Brain Endothelial Cells With Tight Junction Modulator Peptides. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 754-765	3.9	54
56	Controlled in situ preparation of A beta(1-42) oligomers from the isopeptide "iso-A beta(1-42)", physicochemical and biological characterization. <i>Peptides</i> , 2010 , 31, 248-56	3.8	40
55	Synthesis of Aβeta[1-42] and its derivatives with improved efficiency. <i>Journal of Peptide Science</i> , 2007 , 13, 94-9	2.1	39
54	Docosahexaenoic acid reduces amyloid-β-induced toxicity in cells of the neurovascular unit. <i>Journal of Alzheimer's Disease</i> , 2013 , 36, 487-501	4.3	38
53	Beta-amyloid-derived pentapeptide RIIGLa inhibits Aβeta(1-42) aggregation and toxicity. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 324, 64-9	3.4	37
52	A foldamer-dendrimer conjugate neutralizes synaptotoxic βamyloid oligomers. <i>PLoS ONE</i> , 2012 , 7, e39485	3.7	36
51	Two pyridine derivatives as potential Cu(II) and Zn(II) chelators in therapy for Alzheimer's disease. <i>Dalton Transactions</i> , 2010 , 39, 1302-15	4.3	33

50	Studies for Improving a Rat Model of Alzheimer's Disease: Icv Administration of Well-Characterized β Amyloid 1-42 Oligomers Induce Dysfunction in Spatial Memory. <i>Molecules</i> , 2017 , 22,	4.8	32
49	Amyloid- β 1-42 Disrupts Synaptic Plasticity by Altering Glutamate Recycling at the Synapse. <i>Journal of Alzheimer's Disease</i> , 2015 , 45, 449-56	4.3	31
48	IKK β Deficiency in myeloid cells ameliorates Alzheimer's disease-related symptoms and pathology. <i>Journal of Neuroscience</i> , 2014 , 34, 12982-99	6.6	29
47	Exploiting aromatic interactions for β peptide foldamer helix stabilization: a significant design element. <i>Chemistry - A European Journal</i> , 2014 , 20, 4591-7	4.8	28
46	Niosomes decorated with dual ligands targeting brain endothelial transporters increase cargo penetration across the blood-brain barrier. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 123, 228-240	5.1	27
45	Histidine-rich branched peptides as Cu(II) and Zn(II) chelators with potential therapeutic application in Alzheimer's disease. <i>Dalton Transactions</i> , 2012 , 41, 1713-26	4.3	27
44	Complement receptor type 1 (CR1, CD35) is a potent inhibitor of B-cell functions in rheumatoid arthritis patients. <i>International Immunology</i> , 2013 , 25, 25-33	4.9	26
43	. <i>European Journal of Organic Chemistry</i> , 1998 , 1998, 2769-2773	3.2	25
42	Characterization of the interaction between Abeta 1-42 and glyceraldehyde phosphodehydrogenase. <i>Journal of Peptide Science</i> , 2008 , 14, 755-62	2.1	25
41	Secondary Structure Dependent Self-Assembly of β Peptides into Nanosized Fibrils and Membranes. <i>Angewandte Chemie</i> , 2006 , 118, 2456-2460	3.6	25
40	Protein Folding and Misfolding, Endoplasmic Reticulum Stress in Neurodegenerative Diseases: in Trace of Novel Drug Targets. <i>Current Protein and Peptide Science</i> , 2016 , 17, 169-82	2.8	25
39	Pentapeptides derived from Abeta 1-42 protect neurons from the modulatory effect of Abeta fibrils--an in vitro and in vivo electrophysiological study. <i>Neurobiology of Disease</i> , 2005 , 18, 499-508	7.5	24
38	Synthesis and fluorescent labeling of beta-amyloid peptides. <i>Journal of Peptide Science</i> , 2001 , 7, 397-401	2.1	24
37	Protein array based interactome analysis of amyloid- β Indicates an inhibition of protein translation. <i>Journal of Proteome Research</i> , 2011 , 10, 1538-47	5.6	23
36	Protection of the blood-brain barrier by pentosan against amyloid- β Induced toxicity. <i>Journal of Alzheimer's Disease</i> , 2010 , 22, 777-94	4.3	23
35	Endomorphin-2, an endogenous tetrapeptide, protects against Abeta1-42 in vitro and in vivo. <i>FASEB Journal</i> , 2006 , 20, 1191-3	0.9	23
34	Mechanisms Associated with Type 2 Diabetes as a Risk Factor for Alzheimer-Related Pathology. <i>Molecular Neurobiology</i> , 2019 , 56, 5815-5834	6.2	22
33	Identification of synaptic plasma membrane proteins co-precipitated with fibrillar beta-amyloid peptide. <i>Journal of Neurochemistry</i> , 2005 , 94, 617-28	6	22

32	Intranasal delivery of human beta-amyloid peptide in rats: effective brain targeting. <i>Cellular and Molecular Neurobiology</i> , 2010 , 30, 405-13	4.6	21
31	Acute intracerebral treatment with amyloid-beta (1-42) alters the profile of neuronal oscillations that accompany LTP induction and results in impaired LTP in freely behaving rats. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 103	3.5	20
30	Dual Action of the PN159/KLAL/MAP Peptide: Increase of Drug Penetration across Caco-2 Intestinal Barrier Model by Modulation of Tight Junctions and Plasma Membrane Permeability. <i>Pharmaceutics</i> , 2019 , 11,	6.4	20
29	An intraperitoneally administered pentapeptide protects against Abeta (1-42) induced neuronal excitation in vivo. <i>Journal of Alzheimer's Disease</i> , 2009 , 16, 189-96	4.3	18
28	Aggregation of Abeta(1-42) in the presence of short peptides: conformational studies. <i>Journal of Peptide Science</i> , 2008 , 14, 731-41	2.1	17
27	Fibrillar A β -42 Enhances NMDA Receptor Sensitivity via the Integrin Signaling Pathway. <i>Journal of Alzheimer's Disease</i> , 2010 , 19, 1055-1067	4.3	16
26	Abeta(1-42) enhances neuronal excitability in the CA1 via NR2B subunit-containing NMDA receptors. <i>Neural Plasticity</i> , 2014 , 2014, 584314	3.3	14
25	Simultaneous changes of spatial memory and spine density after intrahippocampal administration of fibrillar a β -42 to the rat brain. <i>BioMed Research International</i> , 2014 , 2014, 345305	3	14
24	Biotin and Glutathione Targeting of Solid Nanoparticles to Cross Human Brain Endothelial Cells. <i>Current Pharmaceutical Design</i> , 2017 , 23, 4198-4205	3.3	14
23	Key Peptides and Proteins in Alzheimer's Disease. <i>Current Protein and Peptide Science</i> , 2019 , 20, 577-599	2.8	14
22	New small-size peptides modulators of the exosite of BACE1 obtained from a structure-based design. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 413-426	3.6	13
21	Conformational dynamics of titin PEVK explored with FRET spectroscopy. <i>Biophysical Journal</i> , 2012 , 103, 1480-9	2.9	11
20	The formation of amyloid-like fibrils of E κ -chymotrypsin in different aqueous organic solvents. <i>Protein and Peptide Letters</i> , 2012 , 19, 544-50	1.9	10
19	Decreased pH in the aging brain and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2021 , 101, 40-49	5.6	9
18	Enhanced G-protein activation by a mixture of Abeta(25-35), Abeta(1-40/42) and zinc. <i>Journal of Neurochemistry</i> , 2004 , 89, 1215-23	6	8
17	Alzheimer risk factors age and female sex induce cortical A β aggregation by raising extracellular zinc. <i>Molecular Psychiatry</i> , 2020 , 25, 2728-2741	15.1	7
16	Amyloid-like Fibril Formation by Trypsin in Aqueous Ethanol. Inhibition of Fibrillation by PEG. <i>Protein and Peptide Letters</i> , 2015 , 22, 1104-10	1.9	7
15	Structural Optimization of Foldamer-Dendrimer Conjugates as Multivalent Agents against the Toxic Effects of Amyloid Beta Oligomers. <i>Molecules</i> , 2018 , 23,	4.8	7

14	GABA receptor subunit deregulation in the hippocampus of human foetuses with Down syndrome. <i>Brain Structure and Function</i> , 2018 , 223, 1501-1518	4	6
13	Multivalent foldamer-based affinity assay for selective recognition of A β oligomers. <i>Analytica Chimica Acta</i> , 2017 , 960, 131-137	6.6	5
12	Exceptional in vivo catabolism of neurodegeneration-related aggregates. <i>Acta Neuropathologica Communications</i> , 2018 , 6, 6	7.3	5
11	Ligand-induced flocculation of neurotoxic fibrillar A β (1-42) by noncovalent crosslinking. <i>ChemBioChem</i> , 2008 , 9, 748-57	3.8	5
10	Searching for improved mimetic peptides inhibitors preventing conformational transition of amyloid- β monomer. <i>Bioorganic Chemistry</i> , 2018 , 81, 211-221	5.1	3
9	Peripheral cyclic β amino acids balance the stability and edge-protection of β sandwiches. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 5492-5499	3.9	2
8	Opposite effect of Ca ²⁺ /Mg ²⁺ ions on the aggregation of native and precursor-derived A β 2. <i>Structural Chemistry</i> , 2015 , 26, 1389-1403	1.8	2
7	Neuroinflammatory processes are augmented in mice overexpressing human heat-shock protein B1 following ethanol-induced brain injury. <i>Journal of Neuroinflammation</i> , 2021 , 18, 22	10.1	2
6	New short cationic antibacterial peptides. Synthesis, biological activity and mechanism of action. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183665	3.8	2
5	Effects of the Pentapeptide P33 on Memory and Synaptic Plasticity in APP/PS1 Transgenic Mice: A Novel Mechanism Presenting the Protein Fe65 as a Target. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	1
4	The interaction of half-sandwich (β Cp*)Rh(III) cation with histidine containing peptides and their ternary species with (N,N) bidentate ligands. <i>Journal of Inorganic Biochemistry</i> , 2021 , 216, 111330	4.2	1
3	Novel High Affinity Sigma-1 Receptor Ligands from Minimal Ensemble Docking-Based Virtual Screening. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
2	S1R agonist modulates rat platelet eicosanoid synthesis and aggregation. <i>Platelets</i> , 2021 , 1-10	3.6	0
1	Effects of sub-chronic, in vivo administration of sigma non-opioid intracellular receptor 1 ligands on platelet and aortic arachidonate cascade in rats.. <i>European Journal of Pharmacology</i> , 2022 , 925, 174983	5.3	0