Xiang Yu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2627150/publications.pdf

Version: 2024-02-01

25 papers	1,292 citations	331670 21 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1880 citing authors

#	Article	IF	Citations
1	Tanshinones Inhibit Amyloid Aggregation by Amyloid-Î² Peptide, Disaggregate Amyloid Fibrils, and Protect Cultured Cells. ACS Chemical Neuroscience, 2013, 4, 1004-1015.	3.5	180
2	Cholesterol Promotes the Interaction of Alzheimer Î²-Amyloid Monomer with Lipid Bilayer. Journal of Molecular Biology, 2012, 421, 561-571.	4.2	114
3	Inhibition of Amyloid-β Aggregation in Alzheimer's Disease. Current Pharmaceutical Design, 2014, 20, 1223-1243.	1.9	86
4	Comparative Molecular Dynamics Study of Human Islet Amyloid Polypeptide (IAPP) and Rat IAPP Oligomers. Biochemistry, 2013, 52, 1089-1100.	2.5	80
5	Structure, Orientation, and Surface Interaction of Alzheimer Amyloid-Î² Peptides on the Graphite. Langmuir, 2012, 28, 6595-6605.	3.5	72
6	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
7	Cross-seeding and Conformational Selection between Three- and Four-repeat Human Tau Proteins. Journal of Biological Chemistry, 2012, 287, 14950-14959.	3.4	63
8	Tabersonine Inhibits Amyloid Fibril Formation and Cytotoxicity of AÎ²(1â€“42). ACS Chemical Neuroscience, 2015, 6, 879-888.	3.5	54
9	Molecular interactions of Alzheimer amyloid-Î² oligomers with neutral and negatively charged lipid bilayers. Physical Chemistry Chemical Physics, 2013, 15, 8878.	2.8	53
10	Structural Polymorphism of Human Islet Amyloid Polypeptide (hIAPP) Oligomers Highlights the Importance of Interfacial Residue Interactions. Biomacromolecules, 2011, 12, 210-220.	5.4	50
11	Probing ion channel activity of human islet amyloid polypeptide (amylin). Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 3121-3130.	2.6	50
12	Polymorphic Structures of Alzheimer's Î²-Amyloid Globulomers. PLoS ONE, 2011, 6, e20575.	2.5	47
13	De Novo Design of Self-Assembled Hexapeptides as Î²-Amyloid (AÎ²) Peptide Inhibitors. ACS Chemical Neuroscience, 2014, 5, 972-981.	3.5	41
14	Comparative Molecular Dynamics Study of AÎ² Adsorption on the Self-Assembled Monolayers. Langmuir, 2010, 26, 3308-3316.	3.5	40
15	Alzheimer AÎ²_{1â€“42} Monomer Adsorbed on the Self-Assembled Monolayers. Langmuir, 2010, 26, 12722-12732.	3.5	39
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	Molecular insights into the reversible formation of tau protein fibrils. Chemical Communications, 2013, 49, 3582.	4.1	34
18	Heterogeneous Triangular Structures of Human Islet Amyloid Polypeptide (Amylin) with Internal Hydrophobic Cavity and External Wrapping Morphology Reveal the Polymorphic Nature of Amyloid Fibrils. Biomacromolecules, 2011, 12, 1781-1794.	5.4	33

#	Article	IF	Citations
19	Molecular Modeling of Two Distinct Triangular Oligomers in Amyloid Î²-protein. Journal of Physical Chemistry B, 2010, 114, 463-470.	2.6	32
20	Rapid determination of Paeoniae Radix using near infrared spectroscopy. Microchemical Journal, 2008, 90, 8-12.	4.5	27
21	Structural Determination of AÎ²25â€“35 Micelles by Molecular Dynamics Simulations. Biophysical Journal, 2010, 99, 666-674.	0.5	23
22	Mechanical properties of polymer nanofibers revealed by interaction with streamsÂof air. Polymer, 2012, 53, 782-790.	3.8	18
23	Atomic-Scale Simulations Confirm that Soluble Î²-Sheet-Rich Peptide Self-Assemblies Provide Amyloid Mimics Presenting Similar Conformational Properties. Biophysical Journal, 2010, 98, 27-36.	0.5	17
24	Ca²⁺ Interacts with Glu-22 of AÎ²(1â€“42) and Phospholipid Bilayers to Accelerate the AÎ²(1â€“42) Aggregation Below the Critical Micelle Concentration. Biochemistry, 2015, 54, 6323-6332.	2.5	17
25	Mutational Analysis and Allosteric Effects in the HIV-1 Capsid Protein Carboxyl-Terminal Dimerization Domain. Biomacromolecules, 2009, 10, 390-399.	5.4	16