

# Xiang Yu

## List of Publications by Year in descending order

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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	Tabersonine Inhibits Amyloid Fibril Formation and Cytotoxicity of A $\beta$ (1-42). ACS Chemical Neuroscience, 2015, 6, 879-888.	3.5	54
2	Ca <sup>2+</sup> Interacts with Glu-22 of A $\beta$ (1-42) and Phospholipid Bilayers to Accelerate the A $\beta$ (1-42) Aggregation Below the Critical Micelle Concentration. Biochemistry, 2015, 54, 6323-6332.	2.5	17
3	De Novo Design of Self-Assembled Hexapeptides as A $\beta$ -Amyloid (A $\beta$ ) Peptide Inhibitors. ACS Chemical Neuroscience, 2014, 5, 972-981.	3.5	41
4	Single Mutations in Tau Modulate the Populations of Fibril Conformers through Seed Selection. Angewandte Chemie - International Edition, 2014, 53, 1590-1593.	13.8	38
5	Inhibition of Amyloid- $\beta$ Aggregation in Alzheimer's Disease. Current Pharmaceutical Design, 2014, 20, 1223-1243.	1.9	86
6	Molecular interactions of Alzheimer amyloid- $\beta$ oligomers with neutral and negatively charged lipid bilayers. Physical Chemistry Chemical Physics, 2013, 15, 8878.	2.8	53
7	Comparative Molecular Dynamics Study of Human Islet Amyloid Polypeptide (IAPP) and Rat IAPP Oligomers. Biochemistry, 2013, 52, 1089-1100.	2.5	80
8	Molecular insights into the reversible formation of tau protein fibrils. Chemical Communications, 2013, 49, 3582.	4.1	34
9	Tanshinones Inhibit Amyloid Aggregation by Amyloid- $\beta$ Peptide, Disaggregate Amyloid Fibrils, and Protect Cultured Cells. ACS Chemical Neuroscience, 2013, 4, 1004-1015.	3.5	180
10	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
11	Cholesterol Promotes the Interaction of Alzheimer A $\beta$ -Amyloid Monomer with Lipid Bilayer. Journal of Molecular Biology, 2012, 421, 561-571.	4.2	114
12	Probing ion channel activity of human islet amyloid polypeptide (amylin). Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 3121-3130.	2.6	50
13	Cross-seeding and Conformational Selection between Three- and Four-repeat Human Tau Proteins. Journal of Biological Chemistry, 2012, 287, 14950-14959.	3.4	63
14	Structure, Orientation, and Surface Interaction of Alzheimer Amyloid- $\beta$ Peptides on the Graphite. Langmuir, 2012, 28, 6595-6605.	3.5	72
15	Mechanical properties of polymer nanofibers revealed by interaction with streams of air. Polymer, 2012, 53, 782-790.	3.8	18
16	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
17	Structural Polymorphism of Human Islet Amyloid Polypeptide (hIAPP) Oligomers Highlights the Importance of Interfacial Residue Interactions. Biomacromolecules, 2011, 12, 210-220.	5.4	50
18	Polymorphic Structures of Alzheimer's A $\beta$ -Amyloid Globulomers. PLoS ONE, 2011, 6, e20575.	2.5	47

#	ARTICLE	IF	CITATIONS
19	Atomic-Scale Simulations Confirm that Soluble $\beta$ -Sheet-Rich Peptide Self-Assemblies Provide Amyloid Mimics Presenting Similar Conformational Properties. <i>Biophysical Journal</i> , 2010, 98, 27-36.	0.5	17
20	Structural Determination of $A\beta_{25-35}$ Micelles by Molecular Dynamics Simulations. <i>Biophysical Journal</i> , 2010, 99, 666-674.	0.5	23
21	Molecular Modeling of Two Distinct Triangular Oligomers in Amyloid $\beta$ -protein. <i>Journal of Physical Chemistry B</i> , 2010, 114, 463-470.	2.6	32
22	Alzheimer $A\beta_{1-42}$ Monomer Adsorbed on the Self-Assembled Monolayers. <i>Langmuir</i> , 2010, 26, 12722-12732.	3.5	39
23	Comparative Molecular Dynamics Study of $A\beta$ Adsorption on the Self-Assembled Monolayers. <i>Langmuir</i> , 2010, 26, 3308-3316.	3.5	40
24	Mutational Analysis and Allosteric Effects in the HIV-1 Capsid Protein Carboxyl-Terminal Dimerization Domain. <i>Biomacromolecules</i> , 2009, 10, 390-399.	5.4	16
25	Rapid determination of <i>Paeoniae Radix</i> using near infrared spectroscopy. <i>Microchemical Journal</i> , 2008, 90, 8-12.	4.5	27