

# Ling-Hsien Tu

## List of Publications by Year in descending order

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28  
papers

1,479  
citations

516215

16  
h-index

500791

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Screening and classifying small-molecule inhibitors of amyloid formation using ion mobility spectrometry–mass spectrometry. <i>Nature Chemistry</i> , 2015, 7, 73-81.	6.6	255
2	Islet Amyloid Polypeptide: Structure, Function, and Pathophysiology. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-18.	1.0	177
3	Islet amyloid: From fundamental biophysics to mechanisms of cytotoxicity. <i>FEBS Letters</i> , 2013, 587, 1106-1118.	1.3	166
4	Islet amyloid polypeptide toxicity and membrane interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19279-19284.	3.3	128
5	Time-resolved studies define the nature of toxic IAPP intermediates, providing insight for anti-amyloidosis therapeutics. <i>ELife</i> , 2016, 5, .	2.8	126
6	Role of Aromatic Interactions in Amyloid Formation by Islet Amyloid Polypeptide. <i>Biochemistry</i> , 2013, 52, 333-342.	1.2	111
7	Sensitivity of Amyloid Formation by Human Islet Amyloid Polypeptide to Mutations at Residue 20. <i>Journal of Molecular Biology</i> , 2012, 421, 282-295.	2.0	75
8	A Free Energy Barrier Caused by the Refolding of an Oligomeric Intermediate Controls the Lag Time of Amyloid Formation by hIAPP. <i>Journal of the American Chemical Society</i> , 2017, 139, 16748-16758.	6.6	60
9	Mutational Analysis of the Ability of Resveratrol To Inhibit Amyloid Formation by Islet Amyloid Polypeptide: Critical Evaluation of the Importance of Aromatic–Inhibitor and Histidine–Inhibitor Interactions. <i>Biochemistry</i> , 2015, 54, 666-676.	1.2	50
10	Insights into the consequences of co-polymerisation in the early stages of IAPP and A $\beta$ 2 peptide assembly from mass spectrometry. <i>Analyst</i> , 2015, 140, 6990-6999.	1.7	48
11	TDP-43 interacts with amyloid- $\beta$ 2, inhibits fibrillization, and worsens pathology in a model of Alzheimer’s disease. <i>Nature Communications</i> , 2020, 11, 5950.	5.8	45
12	Understanding co-polymerization in amyloid formation by direct observation of mixed oligomers. <i>Chemical Science</i> , 2017, 8, 5030-5040.	3.7	37
13	Mutational Analysis of Preamyloid Intermediates: The Role of His-Tyr Interactions in Islet Amyloid Formation. <i>Biophysical Journal</i> , 2014, 106, 1520-1527.	0.2	30
14	Protein Glycation by Glyoxal Promotes Amyloid Formation by Islet Amyloid Polypeptide. <i>Biophysical Journal</i> , 2019, 116, 2304-2313.	0.2	27
15	Palladium-Catalyzed Reaction of Aryl Bromides with 7-Hydroxy-1,3-Dienes. <i>Organometallics</i> , 2005, 24, 5909-5915.	1.1	25
16	Rhodium(I)-Catalyzed Intramolecular Cyclohexadienyl Pauson–Khand Reaction: A Facile Approach to Tricarbocycles. <i>Organometallics</i> , 2004, 23, 792-799.	1.1	23
17	CeCl $_3$ ·7H $_2$ O–NaI catalyzed intramolecular addition reactions of 7-hydroxy-1,3-dienes: a facile approach to hexahydrobenzofurans and tetrahydrofurans. <i>Tetrahedron</i> , 2006, 62, 7466-7470.	1.0	13
18	Matrix Metalloproteinase-9 Protects Islets from Amyloid-induced Toxicity. <i>Journal of Biological Chemistry</i> , 2015, 290, 30475-30485.	1.6	12

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19	Rationally designed divalent caffeic amides inhibit amyloid- $\beta^2$ fibrillization, induce fibril dissociation, and ameliorate cytotoxicity. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 393-404.	2.6	11
20	Inhibiting Human Calcitonin Fibril Formation with Its Most Relevant Aggregation-Resistant Analog. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10171-10180.	1.2	11
21	Aspirin, Diabetes, and Amyloid: Re-examination of the Inhibition of Amyloid Formation by Aspirin and Ketoprofen. <i>ACS Chemical Biology</i> , 2014, 9, 1632-1637.	1.6	9
22	Site specific NMR characterization of abeta-40 oligomers cross seeded by abeta-42 oligomers. <i>Chemical Science</i> , 2022, 13, 8526-8535.	3.7	8
23	A Fluorogenic Molecule for Probing Islet Amyloid Using Flavonoid as a Scaffold Design. <i>Biochemistry</i> , 2020, 59, 1482-1492.	1.2	7
24	Exploring the Impact of Glyoxal Glycation on $\beta^2$ -Amyloid Peptide ( $A\beta^2$ ) Aggregation in Alzheimer's Disease. <i>Journal of Physical Chemistry B</i> , 2021, 125, 5559-5571.	1.2	6
25	Dopamine-Conjugated Carbon Dots Inhibit Human Calcitonin Fibrillation. <i>Nanomaterials</i> , 2021, 11, 2242.	1.9	6
26	The Role of Aldehyde-Functionalized Crosslinkers on the Property of Chitosan Hydrogels. <i>Macromolecular Bioscience</i> , 2022, 22, e2100477.	2.1	6
27	Tyrosine 12 of human calcitonin modulates its amyloid formation, membrane binding, and bioactivity. <i>Biochimie</i> , 2022, 197, 121-129.	1.3	4
28	Role of lysine residue of islet amyloid polypeptide in fibril formation, membrane binding, and inhibitor binding. <i>Biochimie</i> , 2020, 177, 153-163.	1.3	3