# Ling-Hsien Tu

List of Publications by Year
in descending order



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|---|---|---|---|
| 28 papers | 1,479 citations | 516710 16 h-index | 501196 28 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 1942 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Role of Aldehydeâ€Functionalized Crosslinkers on the Property of Chitosan Hydrogels. Macromolecular Bioscience, 2022, 22, e2100477. | 4.1 | 6 |
| 2 | Tyrosine 12 of human calcitonin modulates its amyloid formation, membrane binding, and bioactivity. Biochimie, 2022, 197, 121-129. | 2.6 | 4 |
| 3 | Site specific NMR characterization of abeta-40 oligomers cross seeded by abeta-42 oligomers. Chemical Science, 2022, 13, 8526-8535. | 7.4 | 8 |
| 4 | Exploring the Impact of Glyoxal Glycation on Î²-Amyloid Peptide (AÎ²) Aggregation in Alzheimerâ€™s Disease. Journal of Physical Chemistry B, 2021, 125, 5559-5571. | 2.6 | 6 |
| 5 | Dopamine-Conjugated Carbon Dots Inhibit Human Calcitonin Fibrillation. Nanomaterials, 2021, 11, 2242. | 4.1 | 6 |
| 6 | Role of lysine residue of islet amyloid polypeptide in fibril formation, membrane binding, and inhibitor binding. Biochimie, 2020, 177, 153-163. | 2.6 | 3 |
| 7 | TDP-43 interacts with amyloid-Î², inhibits fibrillization, and worsens pathology in a model of Alzheimerâ€™s disease. Nature Communications, 2020, 11, 5950. | 12.8 | 45 |
| 8 | A Fluorogenic Molecule for Probing Islet Amyloid Using Flavonoid as a Scaffold Design. Biochemistry, 2020, 59, 1482-1492. | 2.5 | 7 |
| 9 | Inhibiting Human Calcitonin Fibril Formation with Its Most Relevant Aggregation-Resistant Analog. Journal of Physical Chemistry B, 2019, 123, 10171-10180. | 2.6 | 11 |
| 10 | Protein Glycation by Glyoxal Promotes Amyloid Formation by Islet Amyloid Polypeptide. Biophysical Journal, 2019, 116, 2304-2313. | 0.5 | 27 |
| 11 | Rationally designed divalent caffeic amides inhibit amyloid-Î² fibrillization, induce fibril dissociation, and ameliorate cytotoxicity. European Journal of Medicinal Chemistry, 2018, 158, 393-404. | 5.5 | 11 |
| 12 | Understanding co-polymerization in amyloid formation by direct observation of mixed oligomers. Chemical Science, 2017, 8, 5030-5040. | 7.4 | 37 |
| 13 | A Free Energy Barrier Caused by the Refolding of an Oligomeric Intermediate Controls the Lag Time of Amyloid Formation by hIAPP. Journal of the American Chemical Society, 2017, 139, 16748-16758. | 13.7 | 60 |
| 14 | Islet Amyloid Polypeptide: Structure, Function, and Pathophysiology. Journal of Diabetes Research, 2016, 2016, 1-18. | 2.3 | 177 |
| 15 | Time-resolved studies define the nature of toxic IAPP intermediates, providing insight for anti-amyloidosis therapeutics. ELife, 2016, 5, . | 6.0 | 126 |
| 16 | Matrix Metalloproteinase-9 Protects Islets from Amyloid-induced Toxicity. Journal of Biological Chemistry, 2015, 290, 30475-30485. | 3.4 | 12 |
| 17 | Mutational Analysis of the Ability of Resveratrol To Inhibit Amyloid Formation by Islet Amyloid Polypeptide: Critical Evaluation of the Importance of Aromaticâ€“Inhibitor and Histidineâ€“Inhibitor Interactions. Biochemistry, 2015, 54, 666-676. | 2.5 | 50 |
| 18 | Insights into the consequences of co-polymerisation in the early stages of IAPP and AÎ² peptide assembly from mass spectrometry. Analyst, The, 2015, 140, 6990-6999. | 3.5 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Screening and classifying small-molecule inhibitors of amyloid formation using ion mobility spectrometryâ€“mass spectrometry. Nature Chemistry, 2015, 7, 73-81. | 13.6 | 255 |
| 20 | Mutational Analysis of Preamyloid Intermediates: The Role of His-Tyr Interactions in Islet Amyloid Formation. Biophysical Journal, 2014, 106, 1520-1527. | 0.5 | 30 |
| 21 | Aspirin, Diabetes, and Amyloid: Re-examination of the Inhibition of Amyloid Formation by Aspirin and Ketoprofen. ACS Chemical Biology, 2014, 9, 1632-1637. | 3.4 | 9 |
| 22 | Role of Aromatic Interactions in Amyloid Formation by Islet Amyloid Polypeptide. Biochemistry, 2013, 52, 333-342. | 2.5 | 111 |
| 23 | Islet amyloid polypeptide toxicity and membrane interactions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19279-19284. | 7.1 | 128 |
| 24 | Islet amyloid: From fundamental biophysics to mechanisms of cytotoxicity. FEBS Letters, 2013, 587, 1106-1118. | 2.8 | 166 |
| 25 | Sensitivity of Amyloid Formation by Human Islet Amyloid Polypeptide to Mutations at Residue 20. Journal of Molecular Biology, 2012, 421, 282-295. | 4.2 | 75 |
| 26 | CeCl3Â·7H2Oâ€“NaI catalyzed intramolecular addition reactions of 7-hydroxy-1,3-dienes: a facile approach to hexahydrobenzofurans and tetrahydrofurans. Tetrahedron, 2006, 62, 7466-7470. | 1.9 | 13 |
| 27 | Palladium-Catalyzed Reaction of Aryl Bromides with 7-Hydroxy-1,3-Dienes. Organometallics, 2005, 24, 5909-5915. | 2.3 | 25 |
| 28 | Rhodium(I)-Catalyzed Intramolecular Cyclohexadienyl Pausonâ^'Khand Reaction:â€‰ Facile Approach to Tricarbocycles. Organometallics, 2004, 23, 792-799. | 2.3 | 23 |