Thanh D Do

List of Publications by Year in Descending Order

40 papers	1,321 citations	22 h-index	36 g-index
42 ext. papers	1,580 ext. citations	7 avg, IF	4.65 L-index

#	Paper	IF	Citations
40	Atomic View of an Amyloid Dodecamer Exhibiting Selective Cellular Toxic Vulnerability in Acute Brain Slices.. *Protein Science*, **2021**,	6.3	1
39	Homocysteine fibrillar assemblies display cross-talk with Alzheimer's disease amyloid polypeptide. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
38	CGRP disrupts amylin fibrillization and regulates insulin secretion: implications on diabetes and migraine. *Chemical Science*, **2021**, 12, 5853-5864	9.4	2
37	Structural Flexibility of Cyclosporine A Is Mediated by Amide - Isomerization and the Chameleonic Roles of Calcium. *Journal of Physical Chemistry B*, **2021**, 125, 1378-1391	3.4	2
36	Effects of Self-Assembly on the Photogeneration of Radical Cations in Halogenated Triphenylamines. *Journal of Physical Chemistry C*, **2021**, 125, 19991-20002	3.8	0
35	Cytotoxicity of Helical, PSM Investigated by Post-Ion-Mobility Dissociation Mass Spectrometry. *Analytical Chemistry*, **2020**, 92, 11802-11808	7.8	2
34	Selective host-guest chemistry, self-assembly and conformational preferences of m-xylene macrocycles probed by ion-mobility spectrometry mass spectrometry. *Physical Chemistry Chemical Physics*, **2020**, 22, 9290-9300	3.6	5
33	Characterizing TDP-43 Oligomeric Assembly: Mechanistic and Structural Implications Involved in the Etiology of Amyotrophic Lateral Sclerosis. *ACS Chemical Neuroscience*, **2019**, 10, 4112-4123	5.7	7
32	Conformational Preference of Macrocycles Investigated by Ion-Mobility Mass Spectrometry and Distance Geometry Modeling. *Analytical Chemistry*, **2019**, 91, 13439-13447	7.8	3
31	Exploring the Fundamental Structures of Life: Non-Targeted, Chemical Analysis of Single Cells and Subcellular Structures. *Angewandte Chemie - International Edition*, **2019**, 58, 9348-9364	16.4	42
30	Erforschung der fundamentalen Strukturen des Lebens: Nicht zielgerichtete chemische Analyse von Einzelzellen und subzellulen Strukturen. *Angewandte Chemie*, **2019**, 131, 9448-9465	3.6	3
29	Distal amyloid protein fragments template amyloid assembly. *Protein Science*, **2018**, 27, 1181-1190	6.3	6
28	Optically Guided Single Cell Mass Spectrometry of Rat Dorsal Root Ganglia to Profile Lipids, Peptides and Proteins. *ChemPhysChem*, **2018**, 19, 1180-1191	3.2	28
27	Conformational investigation of the structure-activity relationship of GdFFD and its analogues on an achatin-like neuropeptide receptor of Aplysia californica involved in the feeding circuit. *Physical Chemistry Chemical Physics*, **2018**, 20, 22047-22057	3.6	7
26	Categorizing Cells on the Basis of their Chemical Profiles: Progress in Single-Cell Mass Spectrometry. *Journal of the American Chemical Society*, **2017**, 139, 3920-3929	16.4	128
25	Single Cell Profiling Using Ionic Liquid Matrix-Enhanced Secondary Ion Mass Spectrometry for Neuronal Cell Type Differentiation. *Analytical Chemistry*, **2017**, 89, 3078-3086	7.8	44
24	microMS: A Python Platform for Image-Guided Mass Spectrometry Profiling. *Journal of the American Society for Mass Spectrometry*, **2017**, 28, 1919-1928	3.5	32

23	Atomic structure of a toxic, oligomeric segment of SOD1 linked to amyotrophic lateral sclerosis (ALS). *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8770-8775	11.5	60
22	1,2,3,4,6-penta-O-galloyl-D-glucopyranose Binds to the N-terminal Metal Binding Region to Inhibit Amyloid -protein Oligomer and Fibril Formation. *International Journal of Mass Spectrometry*, **2017**, 420, 24-34	1.9	16
21	Amino Acid Metaclusters: Implications of Growth Trends on Peptide Self-Assembly and Structure. *Analytical Chemistry*, **2016**, 88, 868-76	7.8	34
20	Amyloid Protein Assembly and Alzheimer's Disease: Dodecamers of A42, but Not of A40, Seed Fibril Formation. *Journal of the American Chemical Society*, **2016**, 138, 1772-5	16.4	98
19	Opposing Effects of Cucurbit[7]uril and 1,2,3,4,6-Penta-O-galloyl-d-glucopyranose on Amyloid 25-35 Assembly. *ACS Chemical Neuroscience*, **2016**, 7, 218-26	5.7	20
18	Amyloid Protein C-Terminal Fragments: Formation of Cylindrins and Barrels. *Journal of the American Chemical Society*, **2016**, 138, 549-57	16.4	67
17	Oligomerization of the microtubule-associated protein tau is mediated by its N-terminal sequences: implications for normal and pathological tau action. *Journal of Neurochemistry*, **2016**, 137, 939-54	6	23
16	Human Islet Amyloid Polypeptide N-Terminus Fragment Self-Assembly: Effect of Conserved Disulfide Bond on Aggregation Propensity. *Journal of the American Society for Mass Spectrometry*, **2016**, 27, 1010-8	3.5	20
15	Aggregation of Chameleon Peptides: Implications of Helicity in Fibril Formation. *Journal of Physical Chemistry B*, **2016**, 120, 5874-83	3.4	15
14	Phenylalanine Oligomers and Fibrils: The Mechanism of Assembly and the Importance of Tetramers and Counterions. *Journal of the American Chemical Society*, **2015**, 137, 10080-3	16.4	65
13	Elucidation of the Aggregation Pathways of Helix-Turn-Helix Peptides: Stabilization at the Turn Region Is Critical for Fibril Formation. *Biochemistry*, **2015**, 54, 4050-62	3.2	7
12	Diphenylalanine self assembly: novel ion mobility methods showing the essential role of water. *Analytical Chemistry*, **2015**, 87, 4245-52	7.8	28
11	Tau assembly: the dominant role of PHF6 (VQIVYK) in microtubule binding region repeat R3. *Journal of Physical Chemistry B*, **2015**, 119, 4582-93	3.4	99
10	Tau Aggregation Propensity Engrained in Its Solution State. *Journal of Physical Chemistry B*, **2015**, 119, 14421-32	3.4	21
9	Combinatorial discovery through a distributed outreach program: investigation of the photoelectrolysis activity of p-type Fe, Cr, Al oxides. *ACS Applied Materials & Interfaces*, **2014**, 6, 9046-52	9.5	26
8	Interactions between amyloid- and Tau fragments promote aberrant aggregates: implications for amyloid toxicity. *Journal of Physical Chemistry B*, **2014**, 118, 11220-30	3.4	48
7	Factors that drive peptide assembly from native to amyloid structures: experimental and theoretical analysis of [leu-5]-enkephalin mutants. *Journal of Physical Chemistry B*, **2014**, 118, 7247-56	3.4	23
6	Effects of pH and charge state on peptide assembly: the YVIFL model system. *Journal of Physical Chemistry B*, **2013**, 117, 10759-68	3.4	30

5	A novel projection approximation algorithm for the fast and accurate computation of molecular collision cross sections (II). Model parameterization and definition of empirical shape factors for proteins. *International Journal of Mass Spectrometry*, **2013**, 345-347, 89-96	1.9	52
4	Initiation of assembly of tau(273-284) and its ΔK280 mutant: an experimental and computational study. *Physical Chemistry Chemical Physics*, **2013**, 15, 8916-28	3.6	44
3	Factors that drive peptide assembly and fibril formation: experimental and theoretical analysis of Sup35 NNQQNY mutants. *Journal of Physical Chemistry B*, **2013**, 117, 8436-46	3.4	23
2	Ion mobility spectrometry reveals the mechanism of amyloid formation of Aβ(25-35) and its modulation by inhibitors at the molecular level: epigallocatechin gallate and scyllo-inositol. *Journal of the American Chemical Society*, **2013**, 135, 16926-37	16.4	77
1	Essential considerations for using protein-ligand structures in drug discovery. *Drug Discovery Today*, **2012**, 17, 1270-81	8.8	109