Thanh D Do

List of Publications by Year
in descending order

42 papers	1,814 citations	257450 24 h-index	276875 41 g-index
42 all docs	42 docs citations	42 times ranked	2924 citing authors

#	Article	IF	Citations
1	Evaluating the Effects of Metal Adduction and Charge Isomerism on Ion-Mobility Measurements using <i>m</i>-Xylene Macrocycles as Models. Journal of the American Society for Mass Spectrometry, 2022, 33, 840-850.	2.8	8
2	Atomic View of Aqueous Cyclosporine A: Unpacking a Decades-Old Mystery. Journal of the American Chemical Society, 2022, 144, 12602-12607.	13.7	7
3	Î±-CGRP disrupts amylin fibrillization and regulates insulin secretion: implications on diabetes and migraine. Chemical Science, 2021, 12, 5853-5864.	7.4	6
4	Structural Flexibility of Cyclosporine A Is Mediated by Amide <i>Cis</i>â€“<i>Trans</i> Isomerization and the Chameleonic Roles of Calcium. Journal of Physical Chemistry B, 2021, 125, 1378-1391.	2.6	8
5	Homocysteine fibrillar assemblies display cross-talk with Alzheimerâ€™s disease Î²-amyloid polypeptide. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	29
6	Effects of Self-Assembly on the Photogeneration of Radical Cations in Halogenated Triphenylamines. Journal of Physical Chemistry C, 2021, 125, 19991-20002.	3.1	5
7	Atomic view of an amyloid dodecamer exhibiting selective cellular toxic vulnerability in acute brain slices. Protein Science, 2021, , .	7.6	8
8	Cytotoxicity of Î±-Helical, <i>Staphylococcus aureus</i> PSMÎ±3 Investigated by Post-Ion-Mobility Dissociation Mass Spectrometry. Analytical Chemistry, 2020, 92, 11802-11808.	6.5	8
9	Selective hostâ€“guest chemistry, self-assembly and conformational preferences of <i>m</i>-xylene macrocycles probed by ion-mobility spectrometry mass spectrometry. Physical Chemistry Chemical Physics, 2020, 22, 9290-9300.	2.8	9
10	Characterizing TDP-43_{307â€“319} Oligomeric Assembly: Mechanistic and Structural Implications Involved in the Etiology of Amyotrophic Lateral Sclerosis. ACS Chemical Neuroscience, 2019, 10, 4112-4123.	3.5	13
11	Conformational Preference of Macrocycles Investigated by Ion-Mobility Mass Spectrometry and Distance Geometry Modeling. Analytical Chemistry, 2019, 91, 13439-13447.	6.5	5
12	Exploring the Fundamental Structures of Life: Nonâ€Targeted, Chemical Analysis of Single Cells and Subcellular Structures. Angewandte Chemie - International Edition, 2019, 58, 9348-9364.	13.8	65
13	Erforschung der fundamentalen Strukturen des Lebens: Nicht zielgerichtete chemische Analyse von Einzelzellen und subzellulÃren Strukturen. Angewandte Chemie, 2019, 131, 9448-9465.	2.0	5
14	Distal amyloid Î²â€protein fragments template amyloid assembly. Protein Science, 2018, 27, 1181-1190.	7.6	7
15	Optically Guided Single Cell Mass Spectrometry of Rat Dorsal Root Ganglia to Profile Lipids, Peptides and Proteins. ChemPhysChem, 2018, 19, 1180-1191.	2.1	37
16	Conformational investigation of the structureâ€“activity relationship of GdFFD and its analogues on an achatin-like neuropeptide receptor of <i>Aplysia californica</i> involved in the feeding circuit. Physical Chemistry Chemical Physics, 2018, 20, 22047-22057.	2.8	13
17	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.	13.7	168
18	Single Cell Profiling Using Ionic Liquid Matrix-Enhanced Secondary Ion Mass Spectrometry for Neuronal Cell Type Differentiation. Analytical Chemistry, 2017, 89, 3078-3086.	6.5	60

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19	microMS: A Python Platform for Image-Guided Mass Spectrometry Profiling. Journal of the American Society for Mass Spectrometry, 2017, 28, 1919-1928.	2.8	53
20	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.	7.1	104
21	1,2,3,4,6-penta-O-galloyl-Î²-d-glucopyranose binds to the N-terminal metal binding region to inhibit amyloid Î²-protein oligomer and fibril formation. International Journal of Mass Spectrometry, 2017, 420, 24-34.	1.5	24
22	Oligomerization of the microtubuleâ€associated protein tau is mediated by its Nâ€terminal sequences: implications for normal and pathological tau action. Journal of Neurochemistry, 2016, 137, 939-954.	3.9	33
23	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, 1010-1018.	2.8	25
24	Aggregation of Chameleon Peptides: Implications of Î±-Helicity in Fibril Formation. Journal of Physical Chemistry B, 2016, 120, 5874-5883.	2.6	22
25	Amino Acid Metaclusters: Implications of Growth Trends on Peptide Self-Assembly and Structure. Analytical Chemistry, 2016, 88, 868-876.	6.5	40
26	Amyloid Î²-Protein Assembly and Alzheimerâ€™s Disease: Dodecamers of AÎ²42, but Not of AÎ²40, Seed Fibril Formation. Journal of the American Chemical Society, 2016, 138, 1772-1775.	13.7	123
27	Opposing Effects of Cucurbit[7]uril and 1,2,3,4,6-Penta-<i>O</i>-galloyl-Î²-<scp>d</scp>-glucopyranose on Amyloid Î²_{25â€“35} Assembly. ACS Chemical Neuroscience, 2016, 7, 218-226.	3.5	27
28	Amyloid Î²-Protein C-Terminal Fragments: Formation of Cylindrins and Î²-Barrels. Journal of the American Chemical Society, 2016, 138, 549-557.	13.7	91
29	Phenylalanine Oligomers and Fibrils: The Mechanism of Assembly and the Importance of Tetramers and Counterions. Journal of the American Chemical Society, 2015, 137, 10080-10083.	13.7	87
30	Elucidation of the Aggregation Pathways of Helixâ€“Turnâ€“Helix Peptides: Stabilization at the Turn Region Is Critical for Fibril Formation. Biochemistry, 2015, 54, 4050-4062.	2.5	7
31	Diphenylalanine Self Assembly: Novel Ion Mobility Methods Showing the Essential Role of Water. Analytical Chemistry, 2015, 87, 4245-4252.	6.5	29
32	Tau Assembly: The Dominant Role of PHF6 (VQIVYK) in Microtubule Binding Region Repeat R3. Journal of Physical Chemistry B, 2015, 119, 4582-4593.	2.6	134
33	Tau Aggregation Propensity Engrained in Its Solution State. Journal of Physical Chemistry B, 2015, 119, 14421-14432.	2.6	30
34	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, 9046-9052.	8.0	30
35	Interactions between Amyloid-Î² and Tau Fragments Promote Aberrant Aggregates: Implications for Amyloid Toxicity. Journal of Physical Chemistry B, 2014, 118, 11220-11230.	2.6	65
36	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, 7247-7256.	2.6	26

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37	Effects of pH and Charge State on Peptide Assembly: The YVIFL Model System. Journal of Physical Chemistry B, 2013, 117, 10759-10768.	2.6	35
38	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.	1.5	66
39	Initiation of assembly of tau(273-284) and its Î”K280 mutant: an experimental and computational study. Physical Chemistry Chemical Physics, 2013, 15, 8916.	2.8	54
40	Factors That Drive Peptide Assembly and Fibril Formation: Experimental and Theoretical Analysis of Sup35 NNQQNY Mutants. Journal of Physical Chemistry B, 2013, 117, 8436-8446.	2.6	24
41	Ion Mobility Spectrometry Reveals the Mechanism of Amyloid Formation of AÎ²(25â€“35) and Its Modulation by Inhibitors at the Molecular Level: Epigallocatechin Gallate and <i>Scyllo</i>-inositol. Journal of the American Chemical Society, 2013, 135, 16926-16937.	13.7	83
42	Essential considerations for using proteinâ€“ligand structures in drug discovery. Drug Discovery Today, 2012, 17, 1270-1281.	6.4	141