

Thanh D Do

List of Publications by Year in descending order

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Version: 2024-02-01

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	Categorizing Cells on the Basis of their Chemical Profiles: Progress in Single-Cell Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2017, 139, 3920-3929.	13.7	168
2	Essential considerations for using protein-ligand structures in drug discovery. <i>Drug Discovery Today</i> , 2012, 17, 1270-1281.	6.4	141
3	Tau Assembly: The Dominant Role of PHF6 (VQIVYK) in Microtubule Binding Region Repeat R3. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4582-4593.	2.6	134
4	Amyloid β -Protein Assembly and Alzheimer's Disease: Dodecamers of $A\beta_{242}$, but Not of $A\beta_{240}$, Seed Fibril Formation. <i>Journal of the American Chemical Society</i> , 2016, 138, 1772-1775.	13.7	123
5	Atomic structure of a toxic, oligomeric segment of SOD1 linked to amyotrophic lateral sclerosis (ALS). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8770-8775.	7.1	104
6	Amyloid β -Protein C-Terminal Fragments: Formation of Cylindrins and β -Barrels. <i>Journal of the American Chemical Society</i> , 2016, 138, 549-557.	13.7	91
7	Phenylalanine Oligomers and Fibrils: The Mechanism of Assembly and the Importance of Tetramers and Counterions. <i>Journal of the American Chemical Society</i> , 2015, 137, 10080-10083.	13.7	87
8	Ion Mobility Spectrometry Reveals the Mechanism of Amyloid Formation of $A\beta_{25-35}$ and Its Modulation by Inhibitors at the Molecular Level: Epigallocatechin Gallate and Scyllo-inositol. <i>Journal of the American Chemical Society</i> , 2013, 135, 16926-16937.	13.7	83
9	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. <i>International Journal of Mass Spectrometry</i> , 2013, 345-347, 89-96.	1.5	66
10	Interactions between Amyloid- β and Tau Fragments Promote Aberrant Aggregates: Implications for Amyloid Toxicity. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11220-11230.	2.6	65
11	Exploring the Fundamental Structures of Life: Non-Targeted, Chemical Analysis of Single Cells and Subcellular Structures. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9348-9364.	13.8	65
12	Single Cell Profiling Using Ionic Liquid Matrix-Enhanced Secondary Ion Mass Spectrometry for Neuronal Cell Type Differentiation. <i>Analytical Chemistry</i> , 2017, 89, 3078-3086.	6.5	60
13	Initiation of assembly of tau(273-284) and its K280 mutant: an experimental and computational study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8916.	2.8	54
14	microMS: A Python Platform for Image-Guided Mass Spectrometry Profiling. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1919-1928.	2.8	53
15	Amino Acid Metaclusters: Implications of Growth Trends on Peptide Self-Assembly and Structure. <i>Analytical Chemistry</i> , 2016, 88, 868-876.	6.5	40
16	Optically Guided Single Cell Mass Spectrometry of Rat Dorsal Root Ganglia to Profile Lipids, Peptides and Proteins. <i>ChemPhysChem</i> , 2018, 19, 1180-1191.	2.1	37
17	Effects of pH and Charge State on Peptide Assembly: The YVIFL Model System. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10759-10768.	2.6	35
18	Oligomerization of the microtubule-associated protein tau is mediated by its N-terminal sequences: implications for normal and pathological tau action. <i>Journal of Neurochemistry</i> , 2016, 137, 939-954.	3.9	33

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19	Combinatorial Discovery Through a Distributed Outreach Program: Investigation of the Photoelectrolysis Activity of p-Type Fe, Cr, Al Oxides. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9046-9052.	8.0	30
20	Tau Aggregation Propensity Engrained in Its Solution State. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14421-14432.	2.6	30
21	Diphenylalanine Self Assembly: Novel Ion Mobility Methods Showing the Essential Role of Water. <i>Analytical Chemistry</i> , 2015, 87, 4245-4252.	6.5	29
22	Homocysteine fibrillar assemblies display cross-talk with Alzheimer's disease β -amyloid polypeptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
23	Opposing Effects of Cucurbit[7]uril and 1,2,3,4,6-Penta-O-galloyl- β -D-glucopyranose on Amyloid β 25-35 Assembly. <i>ACS Chemical Neuroscience</i> , 2016, 7, 218-226.	3.5	27
24	Factors That Drive Peptide Assembly from Native to Amyloid Structures: Experimental and Theoretical Analysis of [Leu-5]-Enkephalin Mutants. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7247-7256.	2.6	26
25	Human Islet Amyloid Polypeptide N-Terminus Fragment Self-Assembly: Effect of Conserved Disulfide Bond on Aggregation Propensity. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1010-1018.	2.8	25
26	Factors That Drive Peptide Assembly and Fibril Formation: Experimental and Theoretical Analysis of Sup35 NNQQNY Mutants. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8436-8446.	2.6	24
27	1,2,3,4,6-penta-O-galloyl- β -D-glucopyranose binds to the N-terminal metal binding region to inhibit amyloid β -protein oligomer and fibril formation. <i>International Journal of Mass Spectrometry</i> , 2017, 420, 24-34.	1.5	24
28	Aggregation of Chameleon Peptides: Implications of β -Helicity in Fibril Formation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5874-5883.	2.6	22
29	Conformational investigation of the structure-activity relationship of GdFFD and its analogues on an achatin-like neuropeptide receptor of <i>Aplysia californica</i> involved in the feeding circuit. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22047-22057.	2.8	13
30	Characterizing TDP-43 ³⁰⁷⁻³¹⁹ Oligomeric Assembly: Mechanistic and Structural Implications Involved in the Etiology of Amyotrophic Lateral Sclerosis. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4112-4123.	3.5	13
31	Selective host-guest chemistry, self-assembly and conformational preferences of <i>m</i> -xylene macrocycles probed by ion-mobility spectrometry mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9290-9300.	2.8	9
32	Cytotoxicity of β -Helical, <i>Staphylococcus aureus</i> PSM \pm 3 Investigated by Post-Ion-Mobility Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 11802-11808.	6.5	8
33	Structural Flexibility of Cyclosporine A Is Mediated by Amide <i>Cis</i> - <i>Trans</i> Isomerization and the Chameleonic Roles of Calcium. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1378-1391.	2.6	8
34	Atomic view of an amyloid dodecamer exhibiting selective cellular toxic vulnerability in acute brain slices. <i>Protein Science</i> , 2021, , .	7.6	8
35	Evaluating the Effects of Metal Adduction and Charge Isomerism on Ion-Mobility Measurements using <i>m</i> -Xylene Macrocycles as Models. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 840-850.	2.8	8
36	Elucidation of the Aggregation Pathways of Helix-Turn-Helix Peptides: Stabilization at the Turn Region Is Critical for Fibril Formation. <i>Biochemistry</i> , 2015, 54, 4050-4062.	2.5	7

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37	Distal amyloid β -protein fragments template amyloid assembly. <i>Protein Science</i> , 2018, 27, 1181-1190.	7.6	7
38	Atomic View of Aqueous Cyclosporine A: Unpacking a Decades-Old Mystery. <i>Journal of the American Chemical Society</i> , 2022, 144, 12602-12607.	13.7	7
39	β -CGRP disrupts amylin fibrillization and regulates insulin secretion: implications on diabetes and migraine. <i>Chemical Science</i> , 2021, 12, 5853-5864.	7.4	6
40	Conformational Preference of Macrocycles Investigated by Ion-Mobility Mass Spectrometry and Distance Geometry Modeling. <i>Analytical Chemistry</i> , 2019, 91, 13439-13447.	6.5	5
41	Erforschung der fundamentalen Strukturen des Lebens: Nicht zielgerichtete chemische Analyse von Einzelzellen und subzellulären Strukturen. <i>Angewandte Chemie</i> , 2019, 131, 9448-9465.	2.0	5
42	Effects of Self-Assembly on the Photogeneration of Radical Cations in Halogenated Triphenylamines. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19991-20002.	3.1	5