

Thanh D Do

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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	16.4	128
39	Essential considerations for using protein-ligand structures in drug discovery. <i>Drug Discovery Today</i> , 2012 , 17, 1270-81	8.8	109
38	Tau assembly: the dominant role of PHF6 (VQIVYK) in microtubule binding region repeat R3. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4582-93	3.4	99
37	Amyloid β Protein Assembly and Alzheimer's Disease: Dodecamers of A β 2, but Not of A β 0, Seed Fibril Formation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1772-5	16.4	98
36	Ion mobility spectrometry reveals the mechanism of amyloid formation of A β (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, 16926-37	16.4	77
35	Amyloid β Protein C-Terminal Fragments: Formation of Cylindrins and β Barrels. <i>Journal of the American Chemical Society</i> , 2016 , 138, 549-57	16.4	67
34	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, 10080-3	16.4	65
33	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	11.5	60
32	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	1.9	52
31	Interactions between amyloid- β and Tau fragments promote aberrant aggregates: implications for amyloid toxicity. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 11220-30	3.4	48
30	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	7.8	44
29	Initiation of assembly of tau(273-284) and its K280 mutant: an experimental and computational study. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8916-28	3.6	44
28	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	16.4	42
27	Amino Acid Metaclusters: Implications of Growth Trends on Peptide Self-Assembly and Structure. <i>Analytical Chemistry</i> , 2016 , 88, 868-76	7.8	34
26	microMS: A Python Platform for Image-Guided Mass Spectrometry Profiling. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1919-1928	3.5	32
25	Effects of pH and charge state on peptide assembly: the YVIFL model system. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10759-68	3.4	30
24	Diphenylalanine self assembly: novel ion mobility methods showing the essential role of water. <i>Analytical Chemistry</i> , 2015 , 87, 4245-52	7.8	28

23	Optically Guided Single Cell Mass Spectrometry of Rat Dorsal Root Ganglia to Profile Lipids, Peptides and Proteins. <i>ChemPhysChem</i> , 2018 , 19, 1180-1191	3.2	28
22	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, 9046-52	9.5	26
21	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, 7247-56	3.4	23
20	Factors that drive peptide assembly and fibril formation: experimental and theoretical analysis of Sup35 NNQNY mutants. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 8436-46	3.4	23
19	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, 939-54	6	23
18	Tau Aggregation Propensity Engrained in Its Solution State. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 14421-32	3.4	21
17	Opposing Effects of Cucurbit[7]uril and 1,2,3,4,6-Penta-O-galloyl- β -D-glucopyranose on Amyloid β 5-35 Assembly. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 218-26	5.7	20
16	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, 1010-8	3.5	20
15	1,2,3,4,6-penta-O-galloyl- β -D-glucopyranose Binds to the N-terminal Metal Binding Region to Inhibit Amyloid -protein Oligomer and Fibril Formation. <i>International Journal of Mass Spectrometry</i> , 2017 , 420, 24-34	1.9	16
14	Aggregation of Chameleon Peptides: Implications of β -Helicity in Fibril Formation. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5874-83	3.4	15
13	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, 4050-62	3.2	7
12	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	3.6	7
11	Characterizing TDP-43 Oligomeric Assembly: Mechanistic and Structural Implications Involved in the Etiology of Amyotrophic Lateral Sclerosis. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 4112-4123	5.7	7
10	Distal amyloid β protein fragments template amyloid assembly. <i>Protein Science</i> , 2018 , 27, 1181-1190	6.3	6
9	Selective host-guest chemistry, self-assembly and conformational preferences of m-xylene macrocycles probed by ion-mobility spectrometry mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9290-9300	3.6	5
8	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,	11.5	4
7	Conformational Preference of Macrocycles Investigated by Ion-Mobility Mass Spectrometry and Distance Geometry Modeling. <i>Analytical Chemistry</i> , 2019 , 91, 13439-13447	7.8	3
6	Erforschung der fundamentalen Strukturen des Lebens: Nicht zielgerichtete chemische Analyse von Einzelzellen und subzellulären Strukturen. <i>Angewandte Chemie</i> , 2019 , 131, 9448-9465	3.6	3

5	Cytotoxicity of β -Helical, PSMB Investigated by Post-Ion-Mobility Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 11802-11808	7.8	2
4	ECGRP disrupts amylin fibrillization and regulates insulin secretion: implications on diabetes and migraine. <i>Chemical Science</i> , 2021 , 12, 5853-5864	9.4	2
3	Structural Flexibility of Cyclosporine A Is Mediated by Amide - Isomerization and the Chameleonic Roles of Calcium. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 1378-1391	3.4	2
2	Atomic View of an Amyloid Dodecamer Exhibiting Selective Cellular Toxic Vulnerability in Acute Brain Slices.. <i>Protein Science</i> , 2021 ,	6.3	1
1	Effects of Self-Assembly on the Photogeneration of Radical Cations in Halogenated Triphenylamines. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 19991-20002	3.8	0