Tara Pukala

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1144714/publications.pdf

Version: 2024-02-01

72	2,276	279798 23	233421 45
papers	citations	h-index	g-index

78	78	78	3368
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Host-defence peptides of Australian anurans: structure, mechanism of action and evolutionary significance. Peptides, 2004, 25, 1035-1054.	2.4	209
2	Utility of an improved model of amyloid-beta (AÎ²1-42) toxicity in Caenorhabditis elegans for drug screening for Alzheimerâ€™s disease. Molecular Neurodegeneration, 2012, 7, 57.	10.8	188
3	Host-defence peptides from the glandular secretions of amphibians: structure and activity. Natural Product Reports, 2006, 23, 368.	10.3	176
4	Using a Fragmentâ€Based Approach To Target Proteinâ€“Protein Interactions. ChemBioChem, 2013, 14, 332-342.	2.6	115
5	Gallic acid is the major component of grape seed extract that inhibits amyloid fibril formation. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6336-6340.	2.2	104
6	First Community-Wide, Comparative Cross-Linking Mass Spectrometry Study. Analytical Chemistry, 2019, 91, 6953-6961.	6.5	100
7	Subunit Architecture of Multiprotein Assemblies Determined Using Restraints from Gas-Phase Measurements. Structure, 2009, 17, 1235-1243.	3.3	99
8	Gallic acid interacts with Î±-synuclein to prevent the structural collapse necessary for its aggregation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1481-1485.	2.3	95
9	AÎ²40 and AÎ²42 Amyloid Fibrils Exhibit Distinct Molecular Recycling Properties. Journal of the American Chemical Society, 2011, 133, 6505-6508.	13.7	93
10	Effect of Antimicrobial Peptides from Australian Tree Frogs on Anionic Phospholipid Membranes. Biochemistry, 2008, 47, 8557-8565.	2.5	83
11	Investigating the Importance of the Flexible Hinge in Caerin 1.1:â€‰ Solution Structures and Activity of Two Synthetically Modified Caerin Peptides. Biochemistry, 2004, 43, 937-944.	2.5	68
12	Solution Structure and Interaction of Cupiennin 1a, a Spider Venom Peptide, with Phospholipid Bilayersâ€. Biochemistry, 2007, 46, 3576-3585.	2.5	48
13	Bioactive polyphenol interactions with Î² amyloid: a comparison of binding modelling, effects on fibril and aggregate formation and neuroprotective capacity. Food and Function, 2016, 7, 1138-1146.	4.6	47
14	The Amyloid Fibrilâ€Forming Properties of the Amphibian Antimicrobial Peptide Uperinâ€...3.5. ChemBioChem, 2016, 17, 239-246.	2.6	44
15	PPARÎ³ in Complex with an Antagonist and Inverse Agonist: a Tumble and Trap Mechanism of the Activation Helix. IScience, 2018, 5, 69-79.	4.1	40
16	Novel insights into protein misfolding diseases revealed by ion mobilityâ€mass spectrometry. Mass Spectrometry Reviews, 2013, 32, 169-187.	5.4	38
17	Investigating Toxin Diversity and Abundance in Snake Venom Proteomes. Frontiers in Pharmacology, 2021, 12, 768015.	3.5	38
18	Rationally designed peptide-based inhibitor of AÎ²42 fibril formation and toxicity: a potential therapeutic strategy for Alzheimer's disease. Biochemical Journal, 2020, 477, 2039-2054.	3.7	37

#	Article	IF	Citations
19	Norbornene Probes for the Detection of Cysteine Sulfenic Acid in Cells. ACS Chemical Biology, 2019, 14, 594-598.	3.4	35
20	Norbornene probes for the study of cysteine oxidation. Tetrahedron, 2018, 74, 1220-1228.	1.9	32
21	Electron transfer ferredoxins with unusual cluster binding motifs support secondary metabolism in many bacteria. Chemical Science, 2018, 9, 7948-7957.	7.4	29
22	Host-defence peptide profiles of the skin secretions of interspecific hybrid tree frogs and their parents, female Litoria splendida and male Litoria caerulea. FEBS Journal, 2006, 273, 3511-3519.	4.7	25
23	Ion Mobility Mass Spectrometry Studies of the Inhibition of Alpha Synuclein Amyloid Fibril Formation by (-)-Epigallocatechin-3-Gallate. Australian Journal of Chemistry, 2011, 64, 36.	0.9	25
24	C-Phycocyanin from Spirulina Inhibits Î±-Synuclein and Amyloid-Î² Fibril Formation but Not Amorphous Aggregation. Journal of Natural Products, 2019, 82, 66-73.	3.0	25
25	Conjugating immunoassays to mass spectrometry: Solutions to contemporary challenges in clinical diagnostics. TrAC - Trends in Analytical Chemistry, 2020, 132, 116064.	11.4	25
26	Skin peptide and cDNA profiling of Australian anurans: Genus and species identification and evolutionary trends. Peptides, 2011, 32, 161-172.	2.4	24
27	Cupienninâ€ƒ1a, an antimicrobial peptide from the venom of the neotropical wandering spider Cupiennius salei, also inhibits the formation of nitric oxide by neuronal nitric oxide synthase. FEBS Journal, 2007, 274, 1778-1784.	4.7	23
28	Hemin as a generic and potent protein misfolding inhibitor. Biochemical and Biophysical Research Communications, 2014, 454, 295-300.	2.1	22
29	Exploring the Structural Diversity in Inhibitors of Î±-Synuclein Amyloidogenic Folding, Aggregation, and Neurotoxicity. Frontiers in Chemistry, 2018, 6, 181.	3.6	22
30	Conditions for Analysis of Native Protein Structures Using Uniform Field Drift Tube Ion Mobility Mass Spectrometry and Characterization of Stable Calibrants for TWIM-MS. Journal of the American Society for Mass Spectrometry, 2019, 30, 256-267.	2.8	21
31	Ion Mobilityâ€”Mass Spectrometry-Based Screening for Inhibition of Î±-Synuclein Aggregation. European Journal of Mass Spectrometry, 2015, 21, 255-264.	1.0	20
32	The Human Amyloid Precursor Protein Binds Copper Ions Dominated by a Picomolar-Affinity Site in the Helix-Rich E2 Domain. Biochemistry, 2018, 57, 4165-4176.	2.5	19
33	Interrogating the higher order structures of snake venom proteins using an integrated mass spectrometric approach. Journal of Proteomics, 2020, 216, 103680.	2.4	19
34	The molecular chaperone Î²-casein prevents amorphous and fibrillar aggregation of Î±-lactalbumin by stabilisation of dynamic disorder. Biochemical Journal, 2020, 477, 629-643.	3.7	18
35	Binding studies of nNOSâ€active amphibian peptides and Ca²⁺ calmodulin, using negative ion electrospray ionisation mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 3501-3509.	1.5	17
36	Chemical Cross-linking and Mass Spectrometry for the Structural Analysis of Protein Assemblies. Australian Journal of Chemistry, 2013, 66, 749.	0.9	16

#	Article	IF	Citations
37	Importance of collision cross section measurements by ion mobility mass spectrometry in structural biology. Rapid Communications in Mass Spectrometry, 2019, 33, 72-82.	1.5	16
38	Structural and mechanistic insights into amyloidâ€Î² and Î±â€synuclein fibril formation and polyphenol inhibitor efficacy in phospholipid bilayers. FEBS Journal, 2022, 289, 215-230.	4.7	16
39	A Negative Ion Mass Spectrometry Approach to Identify Cross-Linked Peptides Utilizing Characteristic Disulfide Fragmentations. Journal of the American Society for Mass Spectrometry, 2012, 23, 1364-1375.	2.8	15
40	Fabrication of Piperazine Functionalized Polymeric Monolithic Tip for Rapid Enrichment of Glycopeptides/Glycans. Analytical Chemistry, 2020, 92, 683-689.	6.5	14
41	Polyphenol Honokiol and Flavone 2â€²,3â€²,4â€²-Trihydroxyflavone Differentially Interact with Î±-Synuclein at Distinct Phases of Aggregation. ACS Chemical Neuroscience, 2020, 11, 4469-4477.	3.5	14
42	DNA triplex structure, thermodynamics, and destabilisation: insight from molecular simulations. Physical Chemistry Chemical Physics, 2018, 20, 14013-14023.	2.8	13
43	Ion Mobility-Mass Spectrometry Reveals Details of Formation and Structure for GAAÂ·TCC DNA and RNA Triplexes. Journal of the American Society for Mass Spectrometry, 2019, 30, 103-112.	2.8	12
44	Disulfide-containing peptides from the glandular skin secretions of froglets of the genus Crinia: Structure, activity and evolutionary trends. Regulatory Peptides, 2008, 151, 80-87.	1.9	11
45	Fractional Deletion of Compound Kushen Injection Indicates Cytokine Signaling Pathways are Critical for its Perturbation of the Cell Cycle. Scientific Reports, 2019, 9, 14200.	3.3	10
46	Histidineâ€containing hostâ€defence skin peptides of anurans bind Cu²⁺. An electrospray ionisation mass spectrometry and computational modelling study. Rapid Communications in Mass Spectrometry, 2011, 25, 1209-1221.	1.5	8
47	Ecklonia radiata extract containing eckol protects neuronal cells against AÎ²_{1â€“42} evoked toxicity and reduces aggregate density. Food and Function, 2020, 11, 6509-6516.	4.6	8
48	Mass Spectrometry for Structural Biology: Determining the Composition and Architecture of Protein Complexes. Australian Journal of Chemistry, 2011, 64, 681.	0.9	7
49	Characterisation of Calmodulin Structural Transitions by Ion Mobility Mass Spectrometry. Australian Journal of Chemistry, 2012, 65, 504.	0.9	7
50	Host Defence Peptides from the Skin Glands of Australian Amphibians. Caerulein Neuropeptides and Antimicrobial, Anticancer, and nNOS Inhibiting Citropins from the Glandular Frog Litoria subglandulosa. Australian Journal of Chemistry, 2004, 57, 693.	0.9	6
51	Negative ion fragmentations of disulfideâ€containing crossâ€linking reagents are competitive with aspartic acid sideâ€chainâ€induced cleavages. Rapid Communications in Mass Spectrometry, 2013, 27, 238-248.	1.5	6
52	Structural Analysis of Calmodulin Binding by nNOS Inhibitory Amphibian Peptides. Biochemistry, 2015, 54, 567-576.	2.5	6
53	Nucleoside selectivity of Aspergillus fumigatus nucleosideâ€diphosphate kinase. FEBS Journal, 2021, 288, 2398-2417.	4.7	6
54	Chemical Synthesis of a Fluorescent IGF-II Analogue. International Journal of Peptide Research and Therapeutics, 2013, 19, 61-69.	1.9	5

#	Article	IF	Citations
55	Glycosylation heterogeneity and low abundant serum glycoproteins MS analysis by boronic acid immobilized Fe3O4@1,2-Epoxy-5-Hexene/DVB magnetic core shell nanoparticles. Microchemical Journal, 2020, 159, 105351.	4.5	5
56	Differential proteome analysis of the leaves of lead hyperaccumulator, <scp>Rhoeo discolor</scp> (L. Her.) Hance. Journal of Mass Spectrometry, 2021, 56, e4689.	1.6	5
57	Reduction of Copper(II) to Copper(I) in the Copper-Curcumin Complex Induces Decomposition of Curcumin. Australian Journal of Chemistry, 2012, 65, 490.	0.9	4
58	Native mass spectrometry identifies an alternative DNA-binding pathway for BirA from Staphylococcus aureus. Scientific Reports, 2019, 9, 2767.	3.3	4
59	Introduction: Mass Spectrometry Applications in Structural Biology. Chemical Reviews, 2022, 122, 7267-7268.	47.7	4
60	Advanced Resistance Studies Identify Two Discrete Mechanisms in Staphylococcus aureus to Overcome Antibacterial Compounds that Target Biotin Protein Ligase. Antibiotics, 2020, 9, 165.	3.7	3
61	Retro Dielsâ€“Alder Fragmentation of Fulveneâ€“Maleimide Bioconjugates for Mass Spectrometric Detection of Biomolecules. Analytical Chemistry, 2021, 93, 12204-12212.	6.5	3
62	Comments on Proteomic Investigations of Two Pakistani Naja Snake Venoms Species Unravel the Venom Complexity, Posttranslational Modifications, and Presence of Extracellular Vesicles. Toxins 2020, 12, 669. Toxins, 2020, 12, 780.	3.4	2
63	Iminodiacetic acid (IDA)-generated mesoporous nanopolymer: a template to relate surface area, hydrophilicity, and glycopeptides enrichment. Mikrochimica Acta, 2021, 188, 417.	5.0	2
64	Structural insights into the antifungal drug target guanosine monophosphate synthase from Aspergillus fumigatus. Acta Crystallographica Section D: Structural Biology, 2022, 78, 248-259.	2.3	2
65	The Unusual Metalloprotease-Rich Venom Proteome of the Australian Elapid Snake Hoplocephalus stephensii. Toxins, 2022, 14, 314.	3.4	2
66	Meet the Associate Editors: Tara Pukala. Rapid Communications in Mass Spectrometry, 2019, 33, 20-21.	1.5	1
67	Biochemical characterisation of class III biotin protein ligases from Botrytis cinerea and Zymoseptoria tritici. Archives of Biochemistry and Biophysics, 2020, 691, 108509.	3.0	1
68	A novel bat pollination system involving obligate flower corolla removal has implications for global Dillenia conservation. PLoS ONE, 2022, 17, e0262985.	2.5	1
69	1P344 Membrane perturbation by antimicrobial peptides from amphibian and arachnid species(12.) Tj ETQq1 1 0.784314 rgBT /Overl 2006, 46, S232.	0.1	0
70	Mass Spectrometry: Mapping Large Stable Protein Complexes. , 2018, , 1-9.		0
71	A structural model of the human plasminogen and Aspergillus fumigatus enolase complex. Proteins: Structure, Function and Bioinformatics, 2022, 90, 1509-1520.	2.6	0
72	Editorial: Technical and Methodological Advances in Proteomics. Frontiers in Chemistry, 2021, 9, 795426.	3.6	0