Utpal Bose

List of Publications by Year in descending order

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Version: 2024-02-01

43 papers	853 citations	471509 17 h-index	552781 26 g-index
45 all docs	45 docs citations	45 times ranked	1100 citing authors

#	Article	IF	Citations
1	Evaluation of protein extraction methods for in-depth proteome analysis of narrow-leafed lupin (Lupinus angustifolius) seeds. Food Chemistry, 2022, 367, 130722.	8.2	10
2	Bioaccumulation and metabolic response of PFAS mixtures in wild-caught freshwater turtles (Emydura macquarii macquarii) using omics-based ecosurveillance techniques. Science of the Total Environment, 2022, 806, 151264.	8.0	23
3	Bioaccumulation and impact of maternal PFAS offloading on egg biochemistry from wild-caught freshwater turtles (Emydura macquarii macquarii). Science of the Total Environment, 2022, 817, 153019.	8.0	19
4	Biomarkers and biosensors for the diagnosis of noncompliant pH, dark cutting beef predisposition, and welfare in cattle. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 2391-2432.	11.7	12
5	Targeted proteomics for rapid and robust peanut allergen quantification. Food Chemistry, 2022, 383, 132592.	8.2	12
6	Omics-based ecosurveillance for the assessment of ecosystem function, health, and resilience. Emerging Topics in Life Sciences, 2022, 6, 185-199.	2.6	9
7	Perturbation of the gut microbiome in wild-caught freshwater turtles (Emydura macquarii macquarii) exposed to elevated PFAS levels. Science of the Total Environment, 2022, 838, 156324.	8.0	14
8	Database Construction Strategies for Proteome Measurement of Novel Food Ingredients. , 2022, , 133-143.		1
9	Protein extraction protocols for optimal proteome measurement and arginine kinase quantitation from cricket Acheta domesticus for food safety assessment. Food Chemistry, 2021, 348, 129110.	8.2	29
10	Proteome Analysis and Epitope Mapping in a Commercial Reduced-Gluten Wheat Product. Frontiers in Nutrition, 2021, 8, 705822.	3.7	1
11	Proteome and Nutritional Shifts Observed in Hordein Double-Mutant Barley Lines. Frontiers in Plant Science, 2021, 12, 718504.	3.6	4
12	Multi-Omics Strategies for Decoding Smoke-Assisted Germination Pathways and Seed Vigour. International Journal of Molecular Sciences, 2020, 21, 7512.	4.1	8
13	Proteome Analysis of Hordein-Null Barley Lines Reveals Storage Protein Synthesis and Compensation Mechanisms. Journal of Agricultural and Food Chemistry, 2020, 68, 5763-5775.	5.2	13
14	Identification and Quantitation of Amylase Trypsin Inhibitors Across Cultivars Representing the Diversity of Bread Wheat. Journal of Proteome Research, 2020, 19, 2136-2148.	3.7	24
15	Proteomics: Tools of the Trade. Advances in Experimental Medicine and Biology, 2019, 1073, 1-22.	1.6	5
16	Assessing the Utility of Multiplexed Liquid Chromatography-Mass Spectrometry for Gluten Detection in Australian Breakfast Food Products. Molecules, 2019, 24, 3665.	3.8	10
17	A Biomphalaria glabrata peptide that stimulates significant behaviour modifications in aquatic free-living Schistosoma mansoni miracidia. PLoS Neglected Tropical Diseases, 2019, 13, e0006948.	3.0	21
18	Targeted proteomics to monitor the extraction efficiency and levels of barley Î±-amylase trypsin inhibitors that are implicated in non-coeliac gluten sensitivity. Journal of Chromatography A, 2019, 1600, 55-64.	3.7	15

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19	Optimisation of protein extraction for in-depth profiling of the cereal grain proteome. Journal of Proteomics, 2019, 197, 23-33.	2.4	44
20	Proteases as Digestive Aids. , 2019, , 314-321.		0
21	Using LC-MS to examine the fermented food products vinegar and soy sauce for the presence of gluten. Food Chemistry, 2018, 254, 302-308.	8.2	20
22	Chemical Ecology of Chemosensation in Asteroidea: Insights Towards Management Strategies of Pest Species. Journal of Chemical Ecology, 2018, 44, 147-177.	1.8	23
23	<scp>eS</scp>nail: A transcriptomeâ€based molecular resource of the central nervous system for terrestrial gastropods. Molecular Ecology Resources, 2018, 18, 147-158.	4.8	3
24	Differences in Small Molecule Neurotransmitter Profiles From the Crown-of-Thorns Seastar Radial Nerve Revealed Between Sexes and Following Food-Deprivation. Frontiers in Endocrinology, 2018, 9, 551.	3.5	10
25	Production of N -acyl homoserine lactones by the sponge-associated marine actinobacteria Salinispora arenicola and Salinispora pacifica. FEMS Microbiology Letters, 2017, 364, fnx002.	1.8	21
26	CYP450s analysis across spiny lobster metamorphosis identifies a long sought missing link in crustacean development. Journal of Steroid Biochemistry and Molecular Biology, 2017, 171, 262-269.	2.5	19
27	Neuropeptides encoded within a neural transcriptome of the giant triton snail Charonia tritonis, a Crown-of-Thorns Starfish predator. Peptides, 2017, 98, 3-14.	2.4	40
28	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. Nature, 2017, 544, 231-234.	27.8	157
29	Multiomics analysis of the giant triton snail salivary gland, a crown-of-thorns starfish predator. Scientific Reports, 2017, 7, 6000.	3.3	28
30	Changes in the neuropeptide content of Biomphalaria ganglia nervous system following Schistosoma infection. Parasites and Vectors, 2017, 10, 275.	2.5	25
31	Biomolecular changes that occur in the antennal gland of the giant freshwater prawn (Machrobrachium rosenbergii). PLoS ONE, 2017, 12, e0177064.	2.5	13
32	Evidence for a Saponin Biosynthesis Pathway in the Body Wall of the Commercially Significant Sea Cucumber Holothuria scabra. Marine Drugs, 2017, 15, 349.	4.6	26
33	Identification of a female spawnâ€associated Kazalâ€type inhibitor from the tropical abalone Haliotis asinina. Journal of Peptide Science, 2016, 22, 461-470.	1.4	4
34	Global metabolite analysis of the land snail Theba pisana hemolymph during active and aestivated states. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2016, 19, 25-33.	1.0	12
35	Characterisation of Reproduction-Associated Genes and Peptides in the Pest Land Snail, Theba pisana. PLoS ONE, 2016, 11, e0162355.	2.5	8
36	LC-MS-Based Metabolomics Study of Marine Bacterial Secondary Metabolite and Antibiotic Production in Salinispora arenicola. Marine Drugs, 2015, 13, 249-266.	4.6	45

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37	Two Peptides, Cycloaspeptide A and Nazumamide A from a Sponge Associated Marine Actinobacterium Salinispora sp. Natural Product Communications, 2014, 9, 1934578X1400900.	0.5	10
38	Bacterial production of the fungusâ€derived cholesterolâ€lowering agent mevinolin. Biomedical Chromatography, 2014, 28, 1163-1166.	1.7	8
39	Effects of salinity on antibiotic production in sponge-derived Salinispora actinobacteria. Journal of Applied Microbiology, 2014, 117, 109-125.	3.1	19
40	Discovering the Recondite Secondary Metabolome Spectrum of Salinispora Species: A Study of Inter-Species Diversity. PLoS ONE, 2014, 9, e91488.	2.5	33
41	Two peptides, cycloaspeptide A and nazumamide A from a sponge associated marine actinobacterium Salinispora sp. Natural Product Communications, 2014, 9, 545-6.	0.5	7
42	Rapid identification of primary constituents in parotoid gland secretions of the Australian cane toad using HPLC/MSâ€Qâ€TOF. Biomedical Chromatography, 2013, 27, 685-687.	1.7	13
43	Antinociceptive, cytotoxic and antibacterial activities of Cleome viscosa leaves. Revista Brasileira De Farmacognosia, 2011, 21, 165-169.	1.4	26