

# 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	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. <i>Nature</i> , 2017, 544, 231-234.	27.8	157
2	LC-MS-Based Metabolomics Study of Marine Bacterial Secondary Metabolite and Antibiotic Production in <i>Salinispora arenicola</i> . <i>Marine Drugs</i> , 2015, 13, 249-266.	4.6	45
3	Optimisation of protein extraction for in-depth profiling of the cereal grain proteome. <i>Journal of Proteomics</i> , 2019, 197, 23-33.	2.4	44
4	Neuropeptides encoded within a neural transcriptome of the giant triton snail <i>Charonia tritonis</i> , a Crown-of-Thorns Starfish predator. <i>Peptides</i> , 2017, 98, 3-14.	2.4	40
5	Discovering the Recondite Secondary Metabolome Spectrum of <i>Salinispora</i> Species: A Study of Inter-Species Diversity. <i>PLoS ONE</i> , 2014, 9, e91488.	2.5	33
6	Protein extraction protocols for optimal proteome measurement and arginine kinase quantitation from cricket <i>Acheta domesticus</i> for food safety assessment. <i>Food Chemistry</i> , 2021, 348, 129110.	8.2	29
7	Multiomics analysis of the giant triton snail salivary gland, a crown-of-thorns starfish predator. <i>Scientific Reports</i> , 2017, 7, 6000.	3.3	28
8	Antinociceptive, cytotoxic and antibacterial activities of <i>Cleome viscosa</i> leaves. <i>Revista Brasileira De Farmacognosia</i> , 2011, 21, 165-169.	1.4	26
9	Evidence for a Saponin Biosynthesis Pathway in the Body Wall of the Commercially Significant Sea Cucumber <i>Holothuria scabra</i> . <i>Marine Drugs</i> , 2017, 15, 349.	4.6	26
10	Changes in the neuropeptide content of <i>Biomphalaria</i> ganglia nervous system following <i>Schistosoma</i> infection. <i>Parasites and Vectors</i> , 2017, 10, 275.	2.5	25
11	Identification and Quantitation of Amylase Trypsin Inhibitors Across Cultivars Representing the Diversity of Bread Wheat. <i>Journal of Proteome Research</i> , 2020, 19, 2136-2148.	3.7	24
12	Chemical Ecology of Chemosensation in Asteroidea: Insights Towards Management Strategies of Pest Species. <i>Journal of Chemical Ecology</i> , 2018, 44, 147-177.	1.8	23
13	Bioaccumulation and metabolic response of PFAS mixtures in wild-caught freshwater turtles ( <i>Emydera macquarii macquarii</i> ) using omics-based ecosurveillance techniques. <i>Science of the Total Environment</i> , 2022, 806, 151264.	8.0	23
14	Production of <i>N</i> -acyl homoserine lactones by the sponge-associated marine actinobacteria <i>Salinispora arenicola</i> and <i>Salinispora pacifica</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, fnx002.	1.8	21
15	A <i>Biomphalaria glabrata</i> peptide that stimulates significant behaviour modifications in aquatic free-living <i>Schistosoma mansoni</i> miracidia. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0006948.	3.0	21
16	Using LC-MS to examine the fermented food products vinegar and soy sauce for the presence of gluten. <i>Food Chemistry</i> , 2018, 254, 302-308.	8.2	20
17	Effects of salinity on antibiotic production in sponge-derived <i>Salinispora</i> actinobacteria. <i>Journal of Applied Microbiology</i> , 2014, 117, 109-125.	3.1	19
18	CYP450s analysis across spiny lobster metamorphosis identifies a long sought missing link in crustacean development. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 171, 262-269.	2.5	19

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19	Bioaccumulation and impact of maternal PFAS offloading on egg biochemistry from wild-caught freshwater turtles ( <i>Emydura macquarii macquarii</i> ). <i>Science of the Total Environment</i> , 2022, 817, 153019.	8.0	19
20	Targeted proteomics to monitor the extraction efficiency and levels of barley $\alpha$ -amylase trypsin inhibitors that are implicated in non-coeliac gluten sensitivity. <i>Journal of Chromatography A</i> , 2019, 1600, 55-64.	3.7	15
21	Perturbation of the gut microbiome in wild-caught freshwater turtles ( <i>Emydura macquarii macquarii</i> ) exposed to elevated PFAS levels. <i>Science of the Total Environment</i> , 2022, 838, 156324.	8.0	14
22	Rapid identification of primary constituents in parotoid gland secretions of the Australian cane toad using HPLC/MS-TOF. <i>Biomedical Chromatography</i> , 2013, 27, 685-687.	1.7	13
23	Biomolecular changes that occur in the antennal gland of the giant freshwater prawn ( <i>Machrobrachium rosenbergii</i> ). <i>PLoS ONE</i> , 2017, 12, e0177064.	2.5	13
24	Proteome Analysis of Hordein-Null Barley Lines Reveals Storage Protein Synthesis and Compensation Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5763-5775.	5.2	13
25	Global metabolite analysis of the land snail <i>Theba pisana</i> hemolymph during active and aestivated states. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016, 19, 25-33.	1.0	12
26	Biomarkers and biosensors for the diagnosis of noncompliant pH, dark cutting beef predisposition, and welfare in cattle. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 2391-2432.	11.7	12
27	Targeted proteomics for rapid and robust peanut allergen quantification. <i>Food Chemistry</i> , 2022, 383, 132592.	8.2	12
28	Two Peptides, Cycloaspeptide A and Nazumamide A from a Sponge Associated Marine Actinobacterium <i>Salinispora</i> sp. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	10
29	Differences in Small Molecule Neurotransmitter Profiles From the Crown-of-Thorns Seastar Radial Nerve Revealed Between Sexes and Following Food-Deprivation. <i>Frontiers in Endocrinology</i> , 2018, 9, 551.	3.5	10
30	Assessing the Utility of Multiplexed Liquid Chromatography-Mass Spectrometry for Gluten Detection in Australian Breakfast Food Products. <i>Molecules</i> , 2019, 24, 3665.	3.8	10
31	Evaluation of protein extraction methods for in-depth proteome analysis of narrow-leafed lupin ( <i>Lupinus angustifolius</i> ) seeds. <i>Food Chemistry</i> , 2022, 367, 130722.	8.2	10
32	Omics-based ecosurveillance for the assessment of ecosystem function, health, and resilience. <i>Emerging Topics in Life Sciences</i> , 2022, 6, 185-199.	2.6	9
33	Bacterial production of the fungus-derived cholesterol-lowering agent mevinoлин. <i>Biomedical Chromatography</i> , 2014, 28, 1163-1166.	1.7	8
34	Multi-Omics Strategies for Decoding Smoke-Assisted Germination Pathways and Seed Vigour. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7512.	4.1	8
35	Characterisation of Reproduction-Associated Genes and Peptides in the Pest Land Snail, <i>Theba pisana</i> . <i>PLoS ONE</i> , 2016, 11, e0162355.	2.5	8
36	Two peptides, cycloaspeptide A and nazumamide A from a sponge associated marine actinobacterium <i>Salinispora</i> sp. <i>Natural Product Communications</i> , 2014, 9, 545-6.	0.5	7

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37	Proteomics: Tools of the Trade. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1073, 1-22.	1.6	5
38	Identification of a female spawn-associated Kazal-type inhibitor from the tropical abalone <i>Haliotis asinina</i> . <i>Journal of Peptide Science</i> , 2016, 22, 461-470.	1.4	4
39	Proteome and Nutritional Shifts Observed in Hordein Double-Mutant Barley Lines. <i>Frontiers in Plant Science</i> , 2021, 12, 718504.	3.6	4
40	eS-nail: A transcriptome-based molecular resource of the central nervous system for terrestrial gastropods. <i>Molecular Ecology Resources</i> , 2018, 18, 147-158.	4.8	3
41	Proteome Analysis and Epitope Mapping in a Commercial Reduced-Gluten Wheat Product. <i>Frontiers in Nutrition</i> , 2021, 8, 705822.	3.7	1
42	Database Construction Strategies for Proteome Measurement of Novel Food Ingredients. , 2022, , 133-143.		1
43	Proteases as Digestive Aids. , 2019, , 314-321.		0