

Ashis Kumar Mukherjee

List of Publications by Year in descending order

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131
papers

5,276
citations

61984

43
h-index

98798

67
g-index

135
all docs

135
docs citations

135
times ranked

4382
citing authors

#	ARTICLE	IF	CITATIONS
1	Crude petroleum-oil biodegradation efficiency of <i>Bacillus subtilis</i> and <i>Pseudomonas aeruginosa</i> strains isolated from a petroleum-oil contaminated soil from North-East India. <i>Bioresource Technology</i> , 2007, 98, 1339-1345.	9.6	528
2	Comparison of lipopeptide biosurfactants production by <i>Bacillus subtilis</i> strains in submerged and solid state fermentation systems using a cheap carbon source: Some industrial applications of biosurfactants. <i>Process Biochemistry</i> , 2007, 42, 1191-1199.	3.7	191
3	Production of alkaline protease by a thermophilic <i>Bacillus subtilis</i> under solid-state fermentation (SSF) condition using <i>Imperata cylindrica</i> grass and potato peel as low-cost medium: Characterization and application of enzyme in detergent formulation. <i>Biochemical Engineering Journal</i> , 2008, 39, 353-361.	3.6	158
4	Bioinformatic Approaches Including Predictive Metagenomic Profiling Reveal Characteristics of Bacterial Response to Petroleum Hydrocarbon Contamination in Diverse Environments. <i>Scientific Reports</i> , 2017, 7, 1108.	3.3	135
5	Correlation between diverse cyclic lipopeptides production and regulation of growth and substrate utilization by <i>Bacillus subtilis</i> strains in a particular habitat. <i>FEMS Microbiology Ecology</i> , 2005, 54, 479-489.	2.7	132
6	Polymer-assisted iron oxide magnetic nanoparticle immobilized keratinase. <i>Nanotechnology</i> , 2009, 20, 225107.	2.6	110
7	Proteomic analysis to unravel the complex venom proteome of eastern India <i>Naja naja</i> : Correlation of venom composition with its biochemical and pharmacological properties. <i>Journal of Proteomics</i> , 2017, 156, 29-39.	2.4	100
8	Purification, characterization and biotechnological application of an alkaline α -keratinase produced by <i>Bacillus subtilis</i> RM-01 in solid-state fermentation using chicken-feather as substrate. <i>Biochemical Engineering Journal</i> , 2009, 45, 218-225.	3.6	88
9	Statistical optimization of production, purification and industrial application of a laundry detergent and organic solvent-stable subtilisin-like serine protease (Alzwiprase) from <i>Bacillus subtilis</i> DM-04. <i>Biochemical Engineering Journal</i> , 2010, 48, 173-180.	3.6	88
10	Purification and characterization of an anticoagulant phospholipase A2 from Indian monocled cobra (<i>Naja kaouthia</i>) venom. <i>Toxicon</i> , 2003, 41, 81-91.	1.6	85
11	Neutralisation of lethality, myotoxicity and toxic enzymes of <i>Naja kaouthia</i> venom by <i>Mimosa pudica</i> root extracts. <i>Journal of Ethnopharmacology</i> , 2001, 75, 55-60.	4.1	84
12	To study the influence of different components of fermentable substrates on induction of extracellular α -amylase synthesis by <i>Bacillus subtilis</i> DM-03 in solid-state fermentation and exploration of feasibility for inclusion of α -amylase in laundry detergent formulations. <i>Biochemical Engineering Journal</i> , 2009, 43, 149-156.	3.6	83
13	Biochemical and pharmacological properties of a new thrombin-like serine protease (Russelobin) from the venom of Russell's Viper (<i>Daboia russelii russelii</i>) and assessment of its therapeutic potential. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3476-3488.	2.4	83
14	Characterization of biochemical properties and biological activities of biosurfactants produced by <i>Pseudomonas aeruginosa</i> mucoid and non-mucoid strains isolated from hydrocarbon-contaminated soil samples. <i>Applied Microbiology and Biotechnology</i> , 2005, 69, 192-199.	3.6	81
15	Potential application of cyclic lipopeptide biosurfactants produced by <i>Bacillus subtilis</i> strains in laundry detergent formulations. <i>Letters in Applied Microbiology</i> , 2007, 45, 330-335.	2.2	78
16	Proteomics and antivenomics of <i>Echis carinatus carinatus</i> venom: Correlation with pharmacological properties and pathophysiology of envenomation. <i>Scientific Reports</i> , 2017, 7, 17119.	3.3	76
17	Biodegradation of benzene, toluene, and xylene (BTX) in liquid culture and in soil by <i>Bacillus subtilis</i> and <i>Pseudomonas aeruginosa</i> strains and a formulated bacterial consortium. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3380-3388.	5.3	74
18	Apoptosis induction in human breast cancer (MCF-7) cells by a novel venom l-amino acid oxidase (Rusvinoxidase) is independent of its enzymatic activity and is accompanied by caspase-7 activation and reactive oxygen species production. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 1358-1372.	4.9	73

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19	Unraveling the Proteome Composition and Immuno-profiling of Western India Russell's Viper Venom for In-Depth Understanding of Its Pharmacological Properties, Clinical Manifestations, and Effective Antivenom Treatment. <i>Journal of Proteome Research</i> , 2017, 16, 583-598.	3.7	73
20	Microbial Surfactants and Their Potential Applications: An Overview. <i>Advances in Experimental Medicine and Biology</i> , 2010, 672, 54-64.	1.6	71
21	Deep-desulfurization of dibenzothiophene and its derivatives present in diesel oil by a newly isolated bacterium <i>Achromobacter</i> sp. to reduce the environmental pollution from fossil fuel combustion. <i>Fuel Processing Technology</i> , 2014, 119, 236-244.	7.2	69
22	Assessment of mosquito larvicidal potency of cyclic lipopeptides produced by <i>Bacillus subtilis</i> strains. <i>Acta Tropica</i> , 2006, 97, 168-173.	2.0	68
23	Optimization of production of an oxidant and detergent-stable alkaline α -keratinase from <i>Brevibacillus</i> sp. strain AS-S10-II: Application of enzyme in laundry detergent formulations and in leather industry. <i>Biochemical Engineering Journal</i> , 2011, 54, 47-56.	3.6	68
24	A proteomic analysis of Pakistan <i>Daboia russelii russelii</i> venom and assessment of potency of Indian polyvalent and monovalent antivenom. <i>Journal of Proteomics</i> , 2016, 144, 73-86.	2.4	68
25	Bioremediation and reclamation of soil contaminated with petroleum oil hydrocarbons by exogenously seeded bacterial consortium: a pilot-scale study. <i>Environmental Science and Pollution Research</i> , 2011, 18, 471-478.	5.3	67
26	Characterisation of a detergent-stable alkaline protease from a novel thermophilic strain <i>Paenibacillus tezpurensis</i> sp. nov. AS-S24-II. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1437-1450.	3.6	66
27	Purification and biochemical characterization of a thermostable, alkaliphilic, extracellular α -amylase from <i>Bacillus subtilis</i> DM-03, a strain isolated from the traditional fermented food of India. <i>Biotechnology and Applied Biochemistry</i> , 2004, 40, 291.	3.1	60
28	Characterization and application of a detergent-stable alkaline α -amylase from <i>Bacillus subtilis</i> strain AS-S01a. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 219-229.	7.5	59
29	A statistical approach for the enhanced production of alkaline protease showing fibrinolytic activity from a newly isolated Gram-negative <i>Bacillus</i> sp. strain AS-S20-I. <i>New Biotechnology</i> , 2011, 28, 182-189.	4.4	58
30	Bafibrinase: A non-toxic, non-hemorrhagic, direct-acting fibrinolytic serine protease from <i>Bacillus</i> sp. strain AS-S20-I exhibits <i>in vivo</i> anticoagulant activity and thrombolytic potency. <i>Biochimie</i> , 2012, 94, 1300-1308.	2.6	58
31	Characterization of a novel pro-coagulant metalloprotease (RVBCMP) possessing α -fibrinogenase and tissue haemorrhagic activity from venom of <i>Daboia russelii russelii</i> (Russell's viper): Evidence of distinct coagulant and haemorrhagic sites in RVBCMP. <i>Toxicon</i> , 2008, 51, 923-933.	1.6	55
32	Anticoagulant mechanism and platelet deaggregation property of a non-cytotoxic, acidic phospholipase A2 purified from Indian cobra (<i>Naja naja</i>) venom: Inhibition of anticoagulant activity by low molecular weight heparin. <i>Biochimie</i> , 2015, 110, 93-106.	2.6	55
33	An analysis of venom ontogeny and prey-specific toxicity in the Monocled Cobra (<i>Naja kaouthia</i>). <i>Toxicon</i> , 2016, 119, 8-20.	1.6	55
34	Differential hydrolysis of erythrocyte and mitochondrial membrane phospholipids by two phospholipase A2 isoenzymes (NK-PLA2-I and NK-PLA2-II) from the venom of the Indian monocled cobra <i>Naja kaouthia</i> . <i>Archives of Biochemistry and Biophysics</i> , 2004, 425, 1-13.	3.0	54
35	Isolation of a snake venom phospholipase A2 (PLA2) inhibitor (AIPLAI) from leaves of <i>Azadirachta indica</i> (Neem): Mechanism of PLA2 inhibition by AIPLAI <i>in vitro</i> condition. <i>Toxicon</i> , 2008, 51, 1548-1553.	1.6	54
36	Proteomic analysis reveals geographic variation in venom composition of Russell's Viper in the Indian subcontinent: implications for clinical manifestations post-enuvenomation and antivenom treatment. <i>Expert Review of Proteomics</i> , 2018, 15, 837-849.	3.0	54

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37	Ecological significance and some biotechnological application of an organic solvent stable alkaline serine protease from <i>Bacillus subtilis</i> strain DM-04. <i>Bioresource Technology</i> , 2009, 100, 2642-2645.	9.6	53
38	Characterization of a Kunitz-type protease inhibitor peptide (Rusvikunin) purified from <i>Daboia russelii russelii</i> venom. <i>International Journal of Biological Macromolecules</i> , 2014, 67, 154-162.	7.5	52
39	An acidic phospholipase A2 (RVVA-PLA2-I) purified from <i>Daboia russelii</i> venom exerts its anticoagulant activity by enzymatic hydrolysis of plasma phospholipids and by non-enzymatic inhibition of factor Xa in a phospholipids/Ca ²⁺ independent manner. <i>Toxicon</i> , 2011, 57, 841-850.	1.6	51
40	Evaluation of the nutritional quality of four unexplored aquatic weeds from northeast India for the formulation of cost-effective fish feeds. <i>Food Chemistry</i> , 2007, 103, 204-209.	8.2	50
41	Proteomics analysis to compare the venom composition between <i>Naja naja</i> and <i>Naja kaouthia</i> from the same geographical location of eastern India: Correlation with pathophysiology of envenomation and immunological cross-reactivity towards commercial polyvalent venom. <i>Expert Review of Proteomics</i> , 2018, 15, 949-961.	3.0	50
42	The Pro-Coagulant Fibrinolytic Serine Protease Isoenzymes Purified from <i>Daboia russelii russelii</i> Venom Coagulate the Blood through Factor V Activation: Role of Glycosylation on Enzymatic Activity. <i>PLoS ONE</i> , 2014, 9, e86823.	2.5	49
43	Differential mode of attack on membrane phospholipids by an acidic phospholipase A2 (RVVA-PLA2-I) from <i>Daboia russelii</i> venom. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 3149-3157.	2.6	46
44	Applications of a high maltose forming, thermo-stable α -amylase from an extremely alkalophilic <i>Bacillus licheniformis</i> strain AS08E in food and laundry detergent industries. <i>Biochemical Engineering Journal</i> , 2013, 77, 220-230.	3.6	44
45	Proteomic Analysis and Immuno-Profiling of Eastern India Russell's Viper (<i>Daboia russelii</i>) Venom: Correlation between RVV Composition and Clinical Manifestations Post RV Bite. <i>Journal of Proteome Research</i> , 2018, 17, 2819-2833.	3.7	44
46	Quantitative proteomic analysis and antivenom study revealing that neurotoxic phospholipase A2 enzymes, the major toxin class of Russell's viper venom from southern India, shows the least immuno-recognition and neutralization by commercial polyvalent antivenom. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 375-385.	7.5	44
47	Orally active acaricidal peptide toxins from spider venom. <i>Toxicon</i> , 2006, 47, 182-187.	1.6	42
48	Correlation between the phospholipids domains of the target cell membrane and the extent of <i>Naja kaouthia</i> PLA2-induced membrane damage: Evidence of distinct catalytic and cytotoxic sites in PLA2 molecules. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 187-195.	2.4	42
49	Proteomic analysis and antivenomics study of Western India <i>Naja naja</i> venom: correlation between venom composition and clinical manifestations of cobra bite in this region. <i>Expert Review of Proteomics</i> , 2019, 16, 171-184.	3.0	41
50	Cloning and overexpression of raw starch digesting α -amylase gene from <i>Bacillus subtilis</i> strain AS01a in <i>Escherichia coli</i> and application of the purified recombinant α -amylase (AmyBS-I) in raw starch digestion and baking industry. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 97, 118-129.	1.8	40
51	Pharmacological properties and pathophysiological significance of a Kunitz-type protease inhibitor (Rusvikunin-II) and its protein complex (Rusvikunin complex) purified from <i>Daboia russelii russelii</i> venom. <i>Toxicon</i> , 2014, 89, 55-66.	1.6	40
52	A major phospholipase A2 from <i>Daboia russelii russelii</i> venom shows potent anticoagulant action via thrombin inhibition and binding with plasma phospholipids. <i>Biochimie</i> , 2014, 99, 153-161.	2.6	39
53	Quantitative proteomic analysis of venom from Southern India common krait (<i>Bungarus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 commercial antivenom. <i>Expert Review of Proteomics</i> , 2019, 16, 457-469.	3.0	39
54	Biodegradable and biocompatible epoxidized vegetable oil modified thermostable poly(vinyl chloride): Thermal and performance characteristics post biodegradation with <i>Pseudomonas aeruginosa</i> and <i>Achromobacter</i> sp.. <i>Journal of Hazardous Materials</i> , 2012, 209-210, 434-442.	12.4	38

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55	Statistical optimization of <i>Bacillus alcalophilus</i> α -amylase immobilization on iron-oxide magnetic nanoparticles. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 984-992.	2.6	37
56	Structural and physico-chemical characterization of a dirhamnolipid biosurfactant purified from <i>Pseudomonas aeruginosa</i> : application of crude biosurfactant in enhanced oil recovery. <i>RSC Advances</i> , 2016, 6, 70669-70681.	3.6	37
57	A new peptide (Ruviprase) purified from the venom of <i>Daboia russelii russelii</i> shows potent anticoagulant activity via non-enzymatic inhibition of thrombin and factor Xa. <i>Biochimie</i> , 2014, 105, 149-158.	2.6	35
58	The disintegrin tzabcanin inhibits adhesion and migration in melanoma and lung cancer cells. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 457-464.	7.5	35
59	A comparative intracellular proteomic profiling of <i>Pseudomonas aeruginosa</i> strain ASP-53 grown on pyrene or glucose as sole source of carbon and identification of some key enzymes of pyrene biodegradation pathway. <i>Journal of Proteomics</i> , 2017, 167, 25-35.	2.4	35
60	Two Acidic, Anticoagulant PLA2 Isoenzymes Purified from the Venom of Monocled Cobra <i>Naja kaouthia</i> Exhibit Different Potency to Inhibit Thrombin and Factor Xa via Phospholipids Independent, Non-Enzymatic Mechanism. <i>PLoS ONE</i> , 2014, 9, e101334.	2.5	31
61	Characterization, mechanism of anticoagulant action, and assessment of therapeutic potential of a fibrinolytic serine protease (Brevithrombolase) purified from <i>Brevibacillus brevis</i> strain FF02B. <i>Biochimie</i> , 2014, 103, 50-60.	2.6	31
62	A new C-type lectin (RVsnaclec) purified from venom of <i>Daboia russelii russelii</i> shows anticoagulant activity via inhibition of FXa and concentration-dependent differential response to platelets in a Ca ²⁺ -independent manner. <i>Thrombosis Research</i> , 2014, 134, 1150-1156.	1.7	30
63	Proteomics and Metabolomics Analyses to Elucidate the Desulfurization Pathway of <i>Chelatococcus</i> sp.. <i>PLoS ONE</i> , 2016, 11, e0153547.	2.5	30
64	Elucidation of procoagulant mechanism and pathophysiological significance of a new prothrombin activating metalloprotease purified from <i>Daboia russelii russelii</i> venom. <i>Toxicon</i> , 2015, 100, 1-12.	1.6	29
65	Binding of a <i>Naja naja</i> venom acidic phospholipase A2 cognate complex to membrane-bound vimentin of rat L6 cells: Implications in cobra venom-induced cytotoxicity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 958-977.	2.6	29
66	Quantitative proteomics to reveal the composition of Southern India spectacled cobra (<i>Naja naja</i>) venom and its immunological cross-reactivity towards commercial antivenom. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 224-232.	7.5	29
67	Mechanism of <i>in vivo</i> anticoagulant and haemolytic activity by a neutral phospholipase A2 purified from <i>Daboia russelii russelii</i> venom: Correlation with clinical manifestations in Russell's Viper envenomed patients. <i>Toxicon</i> , 2013, 76, 291-300.	1.6	28
68	Recent developments in diagnostic tools and bioanalytical methods for analysis of snake venom: A critical review. <i>Analytica Chimica Acta</i> , 2020, 1137, 208-224.	5.4	25
69	Mass spectrometric analysis to unravel the venom proteome composition of Indian snakes: opening new avenues in clinical research. <i>Expert Review of Proteomics</i> , 2020, 17, 411-423.	3.0	25
70	First Report of Plant-Derived β -Sitosterol with Antithrombotic, <i>in Vivo</i> Anticoagulant, and Thrombus-Preventing Activities in a Mouse Model. <i>Journal of Natural Products</i> , 2018, 81, 2521-2530.	3.0	24
71	Pathophysiological significance and therapeutic applications of snake venom protease inhibitors. <i>Toxicon</i> , 2017, 131, 37-47.	1.6	23
72	Recent advances in snake venom proteomics research in India: a new horizon to decipher the geographical variation in venom proteome composition and exploration of candidate drug prototypes. <i>Journal of Proteins and Proteomics</i> , 2019, 10, 149-164.	1.5	23

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73	Biodegradation of waste chicken-feathers by an alkaline β -keratinase (Mukartinase) purified from a mutant <i>Brevibacillus</i> sp. strain AS-S10-II. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 1229-1237.	3.9	22
74	Optimization for production of liquid nitrogen fertilizer from the degradation of chicken feather by iron-oxide (Fe_3O_4) magnetic nanoparticles coupled β -keratinase. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 632-644.	3.1	21
75	Non-covalent interaction of phospholipase A(2) (PLA(2)) and kaouthiotoxin (KTX) from venom of <i>Naja kaouthia</i> exhibits marked synergism to potentiate their cytotoxicity on target cells. <i>Journal of Venom Research</i> , 2010, 1, 37-42.	0.6	21
76	Structural and functional characterization of complex formation between two Kunitz-type serine protease inhibitors from Russell's Viper venom. <i>Biochimie</i> , 2016, 128-129, 138-147.	2.6	20
77	Anticoagulant mechanism, pharmacological activity, and assessment of preclinical safety of a novel fibrin(ogen)olytic serine protease from leaves of <i>Leucas indica</i> . <i>Scientific Reports</i> , 2018, 8, 6210.	3.3	20
78	Species-specific and geographical variation in venom composition of two major cobras in Indian subcontinent: Impact on polyvalent antivenom therapy. <i>Toxicon</i> , 2020, 188, 150-158.	1.6	20
79	The in vitro laboratory tests and mass spectrometry-assisted quality assessment of commercial polyvalent antivenom raised against the "Big Four" venomous snakes of India. <i>Toxicon</i> , 2021, 192, 15-31.	1.6	20
80	Effect of oral supplementation of vitamin E on the hemolysis and erythrocyte phospholipid-splitting action of cobra and viper venoms. <i>Toxicon</i> , 1998, 36, 657-664.	1.6	19
81	Assessment of quality, safety, and pre-clinical toxicity of an equine polyvalent anti-snake venom (Pan) Tj ETQq1 1 0.784314 rgBT /Over Elapidae and Viperidae snakes of Africa. <i>Toxicon</i> , 2018, 153, 120-127.	1.6	19
82	Proteomic Analysis of Sri Lanka <i>Echis carinatus</i> Venom: Immunological Cross-Reactivity and Enzyme Neutralization Potency of Indian Polyantivenom. <i>Journal of Proteome Research</i> , 2020, 19, 3022-3032.	3.7	18
83	Phospholipase A2-interacting weak neurotoxins from venom of monocled cobra <i>Naja kaouthia</i> display cell-specific cytotoxicity. <i>Toxicon</i> , 2008, 51, 1538-1543.	1.6	17
84	In Vivo Anticoagulant and Thrombolytic Activities of a Fibrinolytic Serine Protease (Brevithrombolase) With the κ -Carrageenan-Induced Rat Tail Thrombosis Model. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2016, 22, 594-598.	1.7	17
85	Antiplatelet and antithrombotic activity of a fibrin(ogen)olytic protease from <i>Bacillus cereus</i> strain FF01. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 477-489.	7.5	16
86	Characterization of a pro-angiogenic, novel peptide from Russell's viper (<i>Daboia russelii russelii</i>) venom. <i>Toxicon</i> , 2014, 77, 26-31.	1.6	15
87	Cellular mechanism of resistance of human colorectal adenocarcinoma cells against apoptosis-induction by Russell's Viper venom I -amino acid oxidase (Rusvinoxidase). <i>Biochimie</i> , 2018, 150, 8-15.	2.6	14
88	From venom to drugs: a review and critical analysis of Indian snake venom toxins envisaged as anticancer drug prototypes. <i>Drug Discovery Today</i> , 2021, 26, 993-1005.	6.4	14
89	Mechanism of apoptosis induction in human breast cancer MCF-7 cell by Ruviprase, a small peptide from <i>Daboia russelii russelii</i> venom. <i>Chemico-Biological Interactions</i> , 2016, 258, 297-304.	4.0	13
90	Characterization of active anticoagulant fraction and a fibrin(ogen)olytic serine protease from leaves of <i>Clerodendrum colebrookianum</i> , a traditional ethno-medicinal plant used to reduce hypertension. <i>Journal of Ethnopharmacology</i> , 2019, 243, 112099.	4.1	13

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91	Assessment of snakebite burdens, clinical features of envenomation, and strategies to improve snakebite management in Vietnam. <i>Acta Tropica</i> , 2021, 216, 105833.	2.0	13
92	Pharmacological re-assessment of traditional medicinal plants-derived inhibitors as antidotes against snakebite envenoming: A critical review. <i>Journal of Ethnopharmacology</i> , 2022, 292, 115208.	4.1	13
93	RGD-independent binding of Russell's Viper venom Kunitz-type protease inhibitors to platelet GPIIb/IIIa receptor. <i>Scientific Reports</i> , 2019, 9, 8316.	3.3	12
94	Correlation of Venom Toxinome Composition of Indian Red Scorpion (<i>Mesobuthus tamulus</i>) with Clinical Manifestations of Scorpion Stings: Failure of Commercial Antivenom to Immune-Recognize the Abundance of Low Molecular Mass Toxins of This Venom. <i>Journal of Proteome Research</i> , 2020, 19, 1847-1856.	3.7	12
95	Prevention and improvement of clinical management of snakebite in Southern Asian countries: A proposed road map. <i>Toxicon</i> , 2021, 200, 140-152.	1.6	12
96	Integrated pretreatment of banana agrowastes: Structural characterization and enhancement of enzymatic hydrolysis of cellulose obtained from banana peduncle. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 298-307.	7.5	12
97	Cloning and extracellular expression of a raw starch digesting α -amylase (Blamy) and its application in bioethanol production from a non-conventional source of starch. <i>Journal of Basic Microbiology</i> , 2015, 55, 1287-1298.	3.3	10
98	Biochemical and pharmacological characterization of a toxic fraction and its cytotoxin-like component isolated from Russell's viper (<i>Daboia russelii russelii</i>) venom. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 168, 55-65.	2.6	10
99	Advances in the Therapeutic Application of Small-Molecule Inhibitors and Repurposed Drugs against Snakebite. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13938-13979.	6.4	10
100	Recent advances in understanding of multifaceted changes in the vaginal microenvironment: implications in vaginal health and therapeutics. <i>Critical Reviews in Microbiology</i> , 2023, 49, 256-282.	6.1	10
101	Application of poly(vinyl alcohol)-assisted silver nanoparticles immobilized α -keratinase composite as topical antibacterial and dehairing agent. <i>Journal of Proteins and Proteomics</i> , 2020, 11, 119-134.	1.5	9
102	The application of laboratory-based analytical tools and techniques for the quality assessment and improvement of commercial antivenoms used in the treatment of snakebite envenomation. <i>Drug Testing and Analysis</i> , 2021, 13, 1471-1489.	2.6	9
103	Anticoagulant and Membrane Damaging Properties of Snake Venom Phospholipase A2 Enzymes. , 2017, , 87-104.		9
104	State-of-the-art review - A review on snake venom-derived antithrombotics: Potential therapeutics for COVID-19-associated thrombosis?. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 1040-1057.	7.5	9
105	Green medicine as a harmonizing tool to antivenom therapy for the clinical management of snakebite: the road ahead. <i>Indian Journal of Medical Research</i> , 2012, 136, 10-2.	1.0	9
106	The wound healing potential of a pro-angiogenic peptide purified from Indian Russell's viper (<i>Daboia</i>) Tj ETQq0 0 0 rrgBT /Overlock 10 Tf	1.6	8
107	An <i>in silico</i> approach to understand the structure-function properties of a serine protease (Bacifrinase) from <i>Bacillus cereus</i> and experimental evidence to support the interaction of Bacifrinase with fibrinogen and thrombin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 622-644.	3.5	7
108	The N-terminal-truncated recombinant fibrin(ogen)olytic serine protease improves its functional property, demonstrates <i>in vivo</i> anticoagulant and plasma defibrinogenation activity as well as pre-clinical safety in rodent model. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 462-474.	7.5	7

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109	A Brief Appraisal on Russell's Viper Venom (<i>Daboia russelii russelii</i>) Proteinases. , 2015, , 1-18.		6
110	Nerve growth factor from Indian Russell's viper venom (RVV-NGF α) shows high affinity binding to TrkA receptor expressed in breast cancer cells: Application of fluorescence labeled RVV-NGF α in the clinical diagnosis of breast cancer. <i>Biochimie</i> , 2020, 176, 31-44.	2.6	6
111	First report of the characterization of a snake venom apyrase (Ruvipyrase) from Indian Russell's viper (<i>Daboia russelii</i>) venom. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 639-648.	7.5	5
112	Characterization of lipopeptide biosurfactant produced by a carbazole-degrading bacterium <i>Roseomonas cervicalis</i> : The role of biosurfactant in carbazole solubilisation. <i>Journal of Applied Microbiology</i> , 2022, 132, 1062-1078.	3.1	5
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