Janendra K Batra

List of Publications by Year
in descending order

77 papers	1,598 citations	279798 23 h-index	330143 37 g-index
78 all docs	78 docs citations	78 times ranked	1229 citing authors

#	Article	IF	Citations
1	Role of HrcA in stress management in Mycobacterium tuberculosis. Journal of Applied Microbiology, 2022, 132, 3315-3326.	3.1	1
2	Antimicrobial Activity of Human Eosinophil Granule Proteins. Methods in Molecular Biology, 2021, 2241, 257-274.	0.9	0
3	Mechanism of HrcA function in heat shock regulation in Mycobacterium tuberculosis. Biochimie, 2020, 168, 285-296.	2.6	7
4	ClpB is an essential stress regulator of Mycobacterium tuberculosis and endows survival advantage to dormant bacilli. International Journal of Medical Microbiology, 2020, 310, 151402.	3.6	25
5	Heat Shock Proteins in the Pathogenesis of Mycobacterium tuberculosis. , 2019, , 221-240.		0
6	A ribonuclease inhibitor resistant dimer of human pancreatic ribonuclease displays specific antitumor activity. International Journal of Biological Macromolecules, 2018, 107, 1965-1970.	7.5	9
7	Insight into the functional role of unique determinants in RNA component of RNase P of Mycobacterium tuberculosis. International Journal of Biological Macromolecules, 2018, 119, 937-944.	7.5	2
8	The aminoâ€terminal domain of MycobacteriumÂtuberculosis ClpB protein plays a crucial role in its substrate disaggregation activity. FEBS Open Bio, 2018, 8, 1669-1690.	2.3	11
9	Denatured states of yeast cytochromecinduced by heat and guanidinium chloride are structurally and thermodynamically different. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1420-1435.	3.5	12
10	Mouse eosinophil associated ribonucleases: Mechanism of cytotoxic, antibacterial and antiparasitic activities. International Journal of Biological Macromolecules, 2017, 94, 445-450.	7.5	23
11	Insight into the role of histidine in RNR motif of protein component of RNase P of <scp>M</scp>. tuberculosis in catalysis. IUBMB Life, 2016, 68, 178-189.	3.4	3
12	Functional role of putative critical residues in Mycobacterium tuberculosis RNase P protein. International Journal of Biochemistry and Cell Biology, 2016, 78, 141-148.	2.8	1
13	Targeting c-kit receptor in neuroblastomas and colorectal cancers using stem cell factor (SCF)-based recombinant bacterial toxins. Applied Microbiology and Biotechnology, 2016, 100, 263-277.	3.6	8
14	Influence of Conformation of M. tuberculosis RNase P Protein Subunit on Its Function. PLoS ONE, 2016, 11, e0153798.	2.5	1
15	Role of <scp>D</scp>na<scp>K</scp> in <scp>H</scp>sp<scp>R</scp>â€<scp>HAIR</scp> interaction of <scp>M</scp>ycobacterium tuberculosis. IUBMB Life, 2015, 67, 816-827.	3.4	14
16	Ribotoxin restrictocin manifests anti-HIV-1 activity through its specific ribonuclease activity. International Journal of Biological Macromolecules, 2015, 76, 58-62.	7.5	8
17	Characterization of pre-molten globule state of yeast iso-1-cytochrome c and its deletants at pH 6.0 and 25 Â°C. International Journal of Biological Macromolecules, 2015, 72, 1406-1418.	7.5	24
18	In vitro and in silico studies of urea-induced denaturation of yeast iso-1-cytochromecand its deletants at pH 6.0 and 25 Â°C. Journal of Biomolecular Structure and Dynamics, 2015, 33, 1493-1502.	3.5	31

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19	Mechanism of Anti-HIV Activity of Ribosome Inactivating Protein, Saporin. Protein and Peptide Letters, 2015, 22, 497-503.	0.9	11
20	Effect of sequential deletion of extra N-terminal residues on the structure and stability of yeast iso-1-cytochrome-c. Journal of Biomolecular Structure and Dynamics, 2014, 32, 2005-2016.	3.5	26
21	Antimicrobial Activity of Human Eosinophil Granule Proteins. Methods in Molecular Biology, 2014, 1178, 267-281.	0.9	1
22	Antimicrobial activity of human eosinophil granule proteins: involvement in host defence against pathogens. Critical Reviews in Microbiology, 2012, 38, 168-181.	6.1	59
23	Functional and Structural Characterization of Helicobacter pylori ClpX: A Molecular Chaperone of Hsp100 Family. Protein and Peptide Letters, 2012, 19, 1263-1271.	0.9	7
24	An insertion in loop L7 of human eosinophilâ€derived neurotoxin is crucial for its antiviral activity. Journal of Cellular Biochemistry, 2012, 113, 3104-3112.	2.6	18
25	The C-Terminus of ClpC1 of Mycobacterium tuberculosis Is Crucial for Its Oligomerization and Function. PLoS ONE, 2012, 7, e51261.	2.5	4
26	Balsamin, a novel ribosome-inactivating protein from the seeds of Balsam apple Momordica balsamina. Amino Acids, 2012, 43, 973-981.	2.7	31
27	Role of unique basic residues in cytotoxic, antibacterial and antiparasitic activities of human eosinophil cationic protein. Biological Chemistry, 2011, 392, 337-46.	2.5	37
28	Functional Role of Glutamine 28 and Arginine 39 in Double Stranded RNA Cleavage by Human Pancreatic Ribonuclease. PLoS ONE, 2011, 6, e17159.	2.5	16
29	Cloning, expression and efficient refolding of carbohydrateâ€“peptide mimicry recognizing single chain antibody 2D10. Protein Expression and Purification, 2010, 72, 162-168.	1.3	8
30	Ribosome Inactivating Proteins and Apoptosis. Plant Cell Monographs, 2010, , 167-189.	0.4	6
31	Role of catalytic and non-catalytic subsite residues in ribonuclease activity of human eosinophil-derived neurotoxin. Biological Chemistry, 2009, 390, 225-234.	2.5	9
32	Mycobacterium tuberculosis ClpC1. FEBS Journal, 2008, 275, 6149-6158.	4.7	38
33	Ribosome inactivating protein saporin induces apoptosis through mitochondrial cascade, independent of translation inhibition. International Journal of Biochemistry and Cell Biology, 2008, 40, 2880-2888.	2.8	49
34	Involvement of Loops L2 and L4 of Ribonucleolytic Toxin Restrictocin in Its Functional Activity. Protein and Peptide Letters, 2007, 14, 125-129.	0.9	3
35	Role of unique basic residues of human pancreatic ribonuclease in its catalysis and structural stability. Biochemical and Biophysical Research Communications, 2007, 360, 809-814.	2.1	8
36	Human eosinophil-derived neurotoxin: involvement of a putative non-catalytic phosphate-binding subsite in its catalysis. Molecular and Cellular Biochemistry, 2007, 303, 175-181.	3.1	24

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37	The differential catalytic activity of ribosome-inactivating proteins saporin 5 and 6 is due to a single substitution at position 162. Biochemical Journal, 2006, 400, 99-104.	3.7	16
38	Role of aspartic acid 121 in human pancreatic ribonuclease catalysis. Molecular and Cellular Biochemistry, 2005, 275, 95-101.	3.1	3
39	Cytotoxicity of ribosome-inactivating protein saporin is not mediated through Î±2 -macroglobulin receptor. FEBS Letters, 2003, 541, 16-20.	2.8	24
40	The Cytotoxic Activity of Ribosome-inactivating Protein Saporin-6 Is Attributed to Its rRNA N-Glycosidase and Internucleosomal DNA Fragmentation Activities. Journal of Biological Chemistry, 2003, 278, 4813-4820.	3.4	64
41	Role of cis prolines 112 and 126 in the functional activity of ribonucleolytic toxin restrictocin. Biochemical and Biophysical Research Communications, 2002, 295, 812-817.	2.1	3
42	Glycine 38 is crucial for the ribonucleolytic activity of human pancreatic ribonuclease on double-stranded RNA. Biochemical and Biophysical Research Communications, 2002, 297, 390-395.	2.1	7
43	Mechanism of Specific Target Recognition and RNA Hydrolysis by Ribonucleolytic Toxin Restrictocin. Biochemistry, 2001, 40, 9115-9124.	2.5	11
44	Interaction of Human Pancreatic Ribonuclease with Human Ribonuclease Inhibitor. Journal of Biological Chemistry, 2001, 276, 24978-24984.	3.4	54
45	Inclusion of a furin-sensitive spacer enhances the cytotoxicity of ribotoxin restrictocin containing recombinant single-chain immunotoxins. Biochemical Journal, 2000, 345, 247.	3.7	18
46	Inclusion of a furin-sensitive spacer enhances the cytotoxicity of ribotoxin restrictocin containing recombinant single-chain immunotoxins. Biochemical Journal, 2000, 345, 247-254.	3.7	40
47	Localization of the catalytic activity in restrictocin molecule by deletion mutagenesis. FEBS Journal, 2000, 267, 1777-1783.	0.2	4
48	Role of Individual Cysteine Residues and Disulfide Bonds in the Structure and Function ofAspergillusRibonucleolytic Toxin Restrictocinâ€. Biochemistry, 1999, 38, 10052-10058.	2.5	13
49	Construction, expression and characterization of chimaeric toxins containing the ribonucleolytic toxin restrictocin: intracellular mechanism of action. Biochemical Journal, 1997, 324, 815-822.	3.7	27
50	A Single Amino Acid Substitution in Ribonucleolytic Toxin Restrictocin Abolishes Its Specific Substrate Recognition Activity. Biochemistry, 1997, 36, 13693-13699.	2.5	12
51	Cytotoxic activity of ribonucleolytic toxin restrictocin-based chimeric toxins targeted to epidermal growth factor receptor. FEBS Letters, 1997, 407, 275-279.	2.8	11
52	Overproduction of fungal ribotoxin Î±-sarcin in Escherichia coli: generation of an active immunotoxin. Gene, 1997, 190, 31-35.	2.2	25
53	Human Pancreatic Ribonuclease. Deletion of the Carboxyl-Terminal EDST Extension Enhances Ribonuclease Activity and Thermostability. FEBS Journal, 1997, 245, 465-469.	0.2	16
54	Expression of ribonucleolytic toxin restrictocin inEscherichia coli: purification and characterization. FEBS Letters, 1996, 392, 259-262.	2.8	20

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55	Generation of Active Immunotoxins Containing Recombinant Restrictocin. Biochemical and Biophysical Research Communications, 1996, 222, 58-63.	2.1	23
56	In vitro and in vivo activity of a recombinant toxin, OLX-209, which targets the erbB-2 oncoprotein. Advances in Enzyme Regulation, 1994, 34, 119-128.	2.6	5
57	Fulminant hepatic failure due to hepatitis E virus. Journal of Hepatology, 1994, 21, 1156-1157.	3.7	1
58	Insertion of constant region domains of human IgG, into CD4-PE40 increases its plasma half-life. Molecular Immunology, 1993, 30, 379-386.	2.2	10
59	Single-chain immunotoxin fusions between anti-tac and Pseudomonas exotoxin: Relative importance of the two toxin disulfide bonds. Bioconjugate Chemistry, 1993, 4, 112-120.	3.6	69
60	Recombinant anti-erbB2 immunotoxins containing Pseudomonas exotoxin.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 5867-5871.	7.1	149
61	Anti-tumor activities of immunotoxins made of monoclonal antibody B3 and various forms of Pseudomonas exotoxin.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 3358-3362.	7.1	65
62	A rapid method of cloning functional variable-region antibody genes in Escherichia coli as single-chain immunotoxins.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1066-1070.	7.1	137
63	Antitumor activity of a thioether-linked immunotoxin: OVB3-PE. Bioconjugate Chemistry, 1990, 1, 264-268.	3.6	19
64	TGFÎ±-anti-Tac(Fv)-PE40: A bifunctional toxin cytotoxic for cells with EGF or IL2 receptors. Biochemical and Biophysical Research Communications, 1990, 171, 1-6.	2.1	23
65	1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine inhibits proton motive force in energized liver mitochondria. Archives of Biochemistry and Biophysics, 1989, 271, 217-222.	3.0	9
66	Antitumor activity in mice of an immunotoxin made with anti-transferrin receptor and a recombinant form of Pseudomonas exotoxin.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 8545-8549.	7.1	75
67	Methylenedioxy-benzopyran analogs of podophyllotoxin, a new synthetic class of antimitotic agents that inhibit tubulin polymerization. Biochemical Pharmacology, 1988, 37, 2595-2602.	4.4	30
68	Effect of cord factor, a toxic glycolipid from mycobacterium tuberculosis, on mouse liver drug metabolizing enzymes. Toxicon, 1987, 25, 345-349.	1.6	0
69	Nucleotide interconversions in microtubule protein preparations, a significant complication for accurate measurement of GTP hydrolysis in the presence of adenosine 5'-(.beta.,.gamma.-imidotriphosphate). Biochemistry, 1987, 26, 5925-5931.	2.5	8
70	Drug metabolism in experimental tuberculosis: I. Changes in hepatic and pulmonary monooxygenase activities due to infection. European Journal of Drug Metabolism and Pharmacokinetics, 1987, 12, 109-114.	1.6	9
71	Effects of pH on tubulin-nucleotide interactions. Archives of Biochemistry and Biophysics, 1986, 245, 316-330.	3.0	25
72	Morpholino derivatives of benzyl-benzodioxole, a study of structural requirements for drug interactions at the colchicine/podophyllotoxin binding site of tubulin. Biochemical Pharmacology, 1986, 35, 4013-4018.	4.4	7

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73	New Antineoplastic Agents with Antitubulin Activity. Annals of the New York Academy of Sciences, 1986, 466, 785-787.	3.8	1
74	Direct incorporation of guanosine 5-diphosphate into microtubules without guanosine 5'-triphosphate hydrolysis. Biochemistry, 1986, 25, 7054-7062.	2.5	21
75	Benzo(a)pyrene hydroxylase activity in human bronchial mucus. European Journal of Drug Metabolism and Pharmacokinetics, 1986, 11, 33-37.	1.6	1
76	Nicotinamide administration alters the activities of hepatic microsomal mixed function oxidases. Experientia, 1980, 36, 1311-1311.	1.2	5
77	Changes in hepatic polyamine levels during acute and chronic administration of aflatoxin B1 to rats. Toxicon, 1980, 18, 209-213.	1.6	3