

Jagdeep Kaur

List of Publications by Year in descending order

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135
papers

4,141
citations

126708

33
h-index

155451

55
g-index

137
all docs

137
docs citations

137
times ranked

5191
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial Mannanases: An Overview of Production and Applications. Critical Reviews in Biotechnology, 2007, 27, 197-216.	5.1	361
2	Strategies for optimization of heterologous protein expression in E. coli: Roadblocks and reinforcements. International Journal of Biological Macromolecules, 2018, 106, 803-822.	3.6	245
3	Structure-Activity Determinants in Antifungal Plant Defensins MsDef1 and MtDef4 with Different Modes of Action against Fusarium graminearum. PLoS ONE, 2011, 6, e18550.	1.1	159
4	Stimulatory effect of phosphate-solubilizing fungal strains (Aspergillus awamori and Penicillium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 718-727.	4.2	141
5	Structural and Functional Studies of a Phosphatidic Acid-Binding Antifungal Plant Defensin MtDef4: Identification of an RGFRRR Motif Governing Fungal Cell Entry. PLoS ONE, 2013, 8, e82485.	1.1	120
6	Silencing of <i>ABCC13</i> transporter in wheat reveals its involvement in grain development, phytic acid accumulation and lateral root formation. Journal of Experimental Botany, 2016, 67, 4379-4389.	2.4	100
7	An essential oil and its major constituent isointermedeol induce apoptosis by increased expression of mitochondrial cytochrome c and apical death receptors in human leukaemia HL-60 cells. Chemico-Biological Interactions, 2008, 171, 332-347.	1.7	95
8	Purification, characterization and thermostability of lipase from a thermophilic Bacillus sp. J33. , 2000, 206, 91-96.		93
9	Biodegradation of malathion by Brevibacillus sp. strain KB2 and Bacillus cereus strain PU. World Journal of Microbiology and Biotechnology, 2012, 28, 1133-1141.	1.7	79
10	Immobilization, stability and esterification studies of a lipase from a Bacillus sp.. Biotechnology and Applied Biochemistry, 2002, 36, 7.	1.4	77
11	Peanuts that keep aflatoxin at bay: a threshold that matters. Plant Biotechnology Journal, 2018, 16, 1024-1033.	4.1	71
12	Lipid hydrolyzing enzymes in virulence: <i>Mycobacterium tuberculosis</i> as a model system. Critical Reviews in Microbiology, 2010, 36, 259-269.	2.7	70
13	Differential expression of structural genes for the late phase of phytic acid biosynthesis in developing seeds of wheat (<i>Triticum aestivum</i> L.). Plant Science, 2014, 224, 74-85.	1.7	68
14	De Novo Transcriptome Sequencing Reveals Important Molecular Networks and Metabolic Pathways of the Plant, <i>Chlorophytum borivillanum</i> . PLoS ONE, 2013, 8, e83336.	1.1	65
15	Title is missing!. Biotechnology Letters, 1998, 20, 997-1000.	1.1	65
16	An improved method for single step purification of metagenomic DNA. Molecular Biotechnology, 2007, 36, 61-63.	1.3	60
17	Sphingolipid C-9 Methyltransferases Are Important for Growth and Virulence but Not for Sensitivity to Antifungal Plant Defensins in <i>Fusarium graminearum</i> . Eukaryotic Cell, 2009, 8, 217-229.	3.4	59
18	Microbial degradation of an organophosphate pesticide, malathion. Critical Reviews in Microbiology, 2014, 40, 146-154.	2.7	53

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19	Genome-wide identification and expression characterization of ABCC-MRP transporters in hexaploid wheat. <i>Frontiers in Plant Science</i> , 2015, 6, 488.	1.7	50
20	Microbial remediation of explosive waste. <i>Critical Reviews in Microbiology</i> , 2012, 38, 152-167.	2.7	49
21	Can plant defensins be used to engineer durable commercially useful fungal resistance in crop plants?. <i>Fungal Biology Reviews</i> , 2011, 25, 128-135.	1.9	46
22	Specific domains of plant defensins differentially disrupt colony initiation, cell fusion and calcium homeostasis in <i>Neurospora crassa</i> . <i>Molecular Microbiology</i> , 2014, 92, 1357-1374.	1.2	46
23	Engineering of Bacillus lipase by directed evolution for enhanced thermal stability: effect of isoleucine to threonine mutation at protein surface. <i>Molecular Biology Reports</i> , 2011, 38, 2919-2926.	1.0	45
24	Differential Expression of RDC1/CXCR7 in the Human Placenta. <i>Journal of Clinical Immunology</i> , 2009, 29, 379-386.	2.0	44
25	Lipoxygenase in <i>Caragana jubata</i> responds to low temperature, abscisic acid, methyl jasmonate and salicylic acid. <i>Gene</i> , 2011, 483, 49-53.	1.0	42
26	Transgenic maize plants expressing the Totivirus antifungal protein, KP4, are highly resistant to corn smut. <i>Plant Biotechnology Journal</i> , 2011, 9, 857-864.	4.1	40
27	Immobilization and stability studies of a lipase from thermophilic Bacillus sp: The effect of process parameters on immobilization of enzyme. <i>Electronic Journal of Biotechnology</i> , 2006, 9, 0-0.	1.2	39
28	Engineering of a metagenome derived lipase toward thermal tolerance: Effect of asparagine to lysine mutation on the protein surface. <i>Gene</i> , 2012, 491, 264-271.	1.0	39
29	Cloning, expression and characterization of a metagenome derived thermoactive/thermostable pectinase. <i>Molecular Biology Reports</i> , 2012, 39, 8353-8361.	1.0	39
30	p16INK4a and p15INK4b gene promoter methylation in cervical cancer patients. <i>Oncology Letters</i> , 2012, 3, 1331-1335.	0.8	38
31	Promoter hypermethylation of p73 and p53 genes in cervical cancer patients among north Indian population. <i>Molecular Biology Reports</i> , 2012, 39, 9145-9157.	1.0	38
32	Characterization of LipN (Rv2970c) of <i>Mycobacterium Tuberculosis</i> H37Rv and its Probable Role in Xenobiotic Degradation. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 390-401.	1.2	38
33	Expression of apoplast-targeted plant defensin MtDef4.2 confers resistance to leaf rust pathogen <i>Puccinia triticina</i> but does not affect mycorrhizal symbiosis in transgenic wheat. <i>Transgenic Research</i> , 2017, 26, 37-49.	1.3	38
34	Low-pH-induced apoptosis: role of endoplasmic reticulum stress-induced calcium permeability and mitochondria-dependent signaling. <i>Cell Stress and Chaperones</i> , 2015, 20, 431-440.	1.2	37
35	Studies on lipolytic isoenzymes from a thermophilic Bacillus sp.: Production, purification and biochemical characterization. <i>Enzyme and Microbial Technology</i> , 2007, 40, 881-887.	1.6	35
36	Role of Oxidative Stress and Apoptosis in the Placental Pathology of Plasmodium berghei Infected Mice. <i>PLoS ONE</i> , 2012, 7, e32694.	1.1	35

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37	Molecular principles behind pyrazinamide resistance due to mutations in panD gene in Mycobacterium tuberculosis. <i>Gene</i> , 2016, 581, 31-42.	1.0	34
38	A thermostable lipolytic enzyme from a thermophilic <i>Bacillus</i> sp.: Purification and characterization. <i>Molecular and Cellular Biochemistry</i> , 2006, 290, 17-22.	1.4	32
39	Characterization of a thermostable lipase showing loss of secondary structure at ambient temperature. <i>Molecular Biology Reports</i> , 2012, 39, 2795-2804.	1.0	32
40	De Novo Transcriptome Sequencing and Analysis for <i>Venturia inaequalis</i> , the Devastating Apple Scab Pathogen. <i>PLoS ONE</i> , 2013, 8, e53937.	1.1	32
41	Production of Biodiesel From Used Mustard Oil and Its Performance Analysis in Internal Combustion Engine. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2010, 132, .	1.4	31
42	Characterization of Squalene synthase Gene from <i>Chlorophytum borivilianum</i> (Sant. and Fernand.). <i>Molecular Biotechnology</i> , 2013, 54, 944-953.	1.3	31
43	Subcellular targeting of an evolutionarily conserved plant defensin <i>MtDsf4.2</i> determines the outcome of plant-pathogen interaction in transgenic <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2012, 13, 1032-1046.	2.0	29
44	Characterization of a novel esterase Rv1497 of <i>Mycobacterium tuberculosis</i> H37Rv demonstrating β -lactamase activity. <i>Enzyme and Microbial Technology</i> , 2016, 82, 180-190.	1.6	29
45	Characterization of an acid inducible lipase Rv3203 from <i>Mycobacterium tuberculosis</i> H37Rv. <i>Molecular Biology Reports</i> , 2014, 41, 285-296.	1.0	28
46	Infergen Stimulated Macrophages Restrict <i>Mycobacterium tuberculosis</i> Growth by Autophagy and Release of Nitric Oxide. <i>Scientific Reports</i> , 2016, 6, 39492.	1.6	28
47	Modulation of Trehalose Dimycolate and Immune System by Rv0774c Protein Enhanced the Intracellular Survival of <i>Mycobacterium smegmatis</i> in Human Macrophages Cell Line. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 289.	1.8	28
48	Molecular Characterization of Oxidative Stress-Inducible LipD of <i>Mycobacterium tuberculosis</i> H37Rv. <i>Current Microbiology</i> , 2014, 68, 387-396.	1.0	27
49	Development of genic SSR marker resource from RNA-Seq data in <i>Dendrocalamus latiflorus</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2016, 25, 179-190.	0.9	27
50	Characterization and molecular modelling of an engineered organic solvent tolerant, thermostable lipase with enhanced enzyme activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 97, 243-251.	1.8	26
51	Functional characterization of hypothetical proteins of <i>Mycobacterium tuberculosis</i> with possible esterase/lipase signature: a cumulative <i>in silico</i> and <i>in vitro</i> approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1226-1243.	2.0	26
52	De novo Transcriptome Analysis Revealed Genes Involved in Flavonoid and Vitamin C Biosynthesis in <i>Phyllanthus emblica</i> (L.). <i>Frontiers in Plant Science</i> , 2016, 7, 1610.	1.7	24
53	Multifaceted role of lipids in <i>Mycobacterium leprae</i> . <i>Future Microbiology</i> , 2017, 12, 315-335.	1.0	24
54	Biochemical Analysis of a Native and Proteolytic Fragment of a High-Molecular-Weight Thermostable Lipase from a Mesophilic <i>Bacillus</i> sp.. <i>Protein Expression and Purification</i> , 2002, 24, 71-75.	0.6	23

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55	Transformation of malathion by <i>Lysinibacillus</i> sp. isolated from soil. <i>Biotechnology Letters</i> , 2012, 34, 863-867.	1.1	23
56	Primer Based Approach for PCR Amplification of High GC Content Gene: <i>Mycobacterium</i> Gene as a Model. <i>Molecular Biology International</i> , 2014, 2014, 1-7.	1.7	23
57	Dynamics of fluoroquinolones induced resistance in DNA gyrase of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 362-375.	2.0	23
58	A thermostable glucoamylase from a thermophilic <i>Bacillus</i> sp.: characterization and thermostability. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004, 31, 540-543.	1.4	22
59	RNA-Seq mediated root transcriptome analysis of <i>Chlorophytum borivilianum</i> for identification of genes involved in saponin biosynthesis. <i>Functional and Integrative Genomics</i> , 2016, 16, 37-55.	1.4	22
60	mesT, a unique epoxide hydrolase, is essential for optimal growth of <i>Mycobacterium tuberculosis</i> in the presence of styrene oxide. <i>Future Microbiology</i> , 2017, 12, 527-546.	1.0	22
61	Morbid Sequences Suggest Molecular Mimicry between Microbial Peptides and Self-Antigens: A Possibility of Inciting Autoimmunity. <i>Frontiers in Microbiology</i> , 2017, 8, 1938.	1.5	22
62	Engineering lipases for temperature adaptation: Structure function correlation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 140261.	1.1	22
63	Discovery and Utilization of EST-SSR Marker Resource for Genetic Diversity and Population Structure Analyses of a Subtropical Bamboo, <i>Dendrocalamus hamiltonii</i> . <i>Biochemical Genetics</i> , 2019, 57, 652-672.	0.8	22
64	Rv0518, a nutritive stress inducible GDSL lipase of <i>Mycobacterium tuberculosis</i> , enhanced intracellular survival of bacteria by cell wall modulation. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 180-195.	3.6	21
65	Enantiomeric separation of pharmaceutically important drug intermediates using a Metagenomic lipase and optimization of its large scale production. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 995-1003.	3.6	20
66	Characterization of ML0314c of <i>Mycobacterium leprae</i> and deciphering its role in the immune response in leprosy patients. <i>Gene</i> , 2018, 643, 26-34.	1.0	20
67	Characterization and evolution of a metagenome-derived lipase towards enhanced enzyme activity and thermostability. <i>Molecular and Cellular Biochemistry</i> , 2013, 373, 149-159.	1.4	19
68	Rv0774c, an iron stress inducible, extracellular esterase is involved in immune-suppression associated with altered cytokine and TLR2 expression. <i>International Journal of Medical Microbiology</i> , 2017, 307, 126-138.	1.5	19
69	Elucidating genes involved in sesquiterpenoid and flavonoid biosynthetic pathways in <i>Saussurea lappa</i> by de novo leaf transcriptome analysis. <i>Genomics</i> , 2019, 111, 1474-1482.	1.3	19
70	smRNAome profiling to identify conserved and novel microRNAs in <i>Stevia rebaudiana</i> Bertoni. <i>BMC Plant Biology</i> , 2012, 12, 197.	1.6	18
71	Combinatorial reshaping of a lipase structure for thermostability: Additive role of surface stabilizing single point mutations. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 626-632.	1.0	18
72	Alanine mutation of the catalytic sites of Pantothenate Synthetase causes distinct conformational changes in the ATP binding region. <i>Scientific Reports</i> , 2018, 8, 903.	1.6	18

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73	Rv2037c, a stress induced conserved hypothetical protein of Mycobacterium tuberculosis, is a phospholipase: Role in cell wall modulation and intracellular survival. International Journal of Biological Macromolecules, 2020, 153, 817-835.	3.6	18
74	Differentially expressed transcripts from leaf and root tissue of Chlorophytum borivilianum: A plant with high medicinal value. Gene, 2012, 511, 79-87.	1.0	17
75	Chemopreventive activity of lantadenes on two-stage carcinogenesis model in Swiss albino mice: AP-1 (c-jun), NF κ B (p65) and P53 expression by ELISA and immunohistochemical localization. Molecular and Cellular Biochemistry, 2008, 314, 1-8.	1.4	16
76	A novel parthenin analog exhibits anti-cancer activity: Activation of apoptotic signaling events through robust NO formation in human leukemia HL-60 cells. Chemo-Biological Interactions, 2011, 193, 204-215.	1.7	16
77	Rv1288, a Two Domain, Cell Wall Anchored, Nutrient Stress Inducible Carboxyl-Esterase of Mycobacterium tuberculosis, Modulates Cell Wall Lipid. Frontiers in Cellular and Infection Microbiology, 2018, 8, 421.	1.8	16
78	Analysis of mutations leading to para-aminosalicylic acid resistance in Mycobacterium tuberculosis. Scientific Reports, 2019, 9, 13617.	1.6	16
79	Insights into controlling role of substitution mutation, E315G on thermostability of a lipase cloned from metagenome of hot spring soil. 3 Biotech, 2014, 4, 189-196.	1.1	15
80	A α -mannanase from <i>Paenibacillus</i> sp.: Optimization of production and its possible prebiotic potential. Biotechnology and Applied Biochemistry, 2016, 63, 669-678.	1.4	15
81	Point Mutation Ile137-Met Near Surface Conferred Psychrophilic Behaviour and Improved Catalytic Efficiency to Bacillus Lipase of 1.4 Subfamily. Applied Biochemistry and Biotechnology, 2016, 178, 753-765.	1.4	15
82	Cell Wall Associated Factors of Mycobacterium tuberculosis as Major Virulence Determinants: Current Perspectives in Drugs Discovery and Design. Current Drug Targets, 2017, 18, 1904-1918.	1.0	15
83	Structural and functional insights into thermostable and organic solvent stable variant Pro247-Ser of Bacillus lipase. International Journal of Biological Macromolecules, 2018, 108, 845-852.	3.6	15
84	Streptomycin sulphate loaded solid lipid nanoparticles show enhanced uptake in macrophage, lower MIC in Mycobacterium and improved oral bioavailability. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 160, 100-124.	2.0	15
85	Plasmodium berghei: Influence of infection on the oxidant and antioxidants levels in pregnant BALB/c mice. Experimental Parasitology, 2012, 131, 215-222.	0.5	14
86	CXCL12 \rightarrow CXCR7 Signaling Activates ERK and Akt Pathways in Human Choriocarcinoma Cells. Cell Communication and Adhesion, 2014, 21, 221-228.	1.0	14
87	Bioremediation of malathion in soil by mixed Bacillus culture. Advances in Bioscience and Biotechnology (Print), 2013, 04, 674-678.	0.3	14
88	Role of N-Terminal Domain of Streptokinase in Protein Transport. Biochemical and Biophysical Research Communications, 1996, 227, 303-310.	1.0	13
89	Point mutation Gln121-Arg increased temperature optima of Bacillus lipase (1.4 subfamily) by fifteen degrees. International Journal of Biological Macromolecules, 2016, 88, 507-514.	3.6	13
90	Characterization of an extracellular protein, Rv1076 from M. tuberculosis with a potential role in humoral response. International Journal of Biological Macromolecules, 2017, 101, 621-629.	3.6	13

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91	2,4,6-Trinitrophenol degradation by <i>Bacillus cereus</i> isolated from a firing range. <i>Biotechnology Letters</i> , 2011, 33, 2411-2415.	1.1	12
92	The virally encoded killer proteins from <i>Ustilago maydis</i> . <i>Fungal Biology Reviews</i> , 2013, 26, 166-173.	1.9	12
93	Thirty-degree shift in optimum temperature of a thermophilic lipase by a single-point mutation: effect of serine to threonine mutation on structural flexibility. <i>Molecular and Cellular Biochemistry</i> , 2017, 430, 21-30.	1.4	12
94	Drug targeted virtual screening and molecular dynamics of LipU protein of <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium leprae</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1254-1269.	2.0	12
95	TLR Agonist Augments Prophylactic Potential of Acid Inducible Antigen Rv3203 against <i>Mycobacterium tuberculosis</i> H37Rv in Experimental Animals. <i>PLoS ONE</i> , 2016, 11, e0152240.	1.1	12
96	Disruption of N terminus long range non covalent interactions shifted temp.opt 25°C to cold: Evolution of point mutant <i>Bacillus</i> lipase by error prone PCR. <i>Gene</i> , 2016, 576, 237-243.	1.0	11
97	Impact of novel N-aryl substituted piperamide on NF-kappa B translocation as a potent anti-neuroinflammatory agent. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110199.	2.5	11
98	Inhibition of NOTCH signaling pathway chemosensitizes HCC CD133+ cells to vincristine and 5-fluorouracil through upregulation of BBC3. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 941-947.	1.0	11
99	Point mutation Arg153-His at surface of <i>Bacillus</i> lipase contributing towards increased thermostability and ester synthesis: insight into molecular network. <i>Molecular and Cellular Biochemistry</i> , 2018, 443, 159-168.	1.4	10
100	The immunosuppressive effects of a novel recombinant LipQ (Rv2485c) protein of <i>Mycobacterium tuberculosis</i> on human macrophage cell lines. <i>Microbial Pathogenesis</i> , 2017, 107, 361-367.	1.3	9
101	Gene expression analysis for selection and validation of suitable housekeeping gene(s) in cadmium exposed pigeonpea plants inoculated with arbuscular mycorrhizae. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 592-602.	2.8	9
102	Antifungal Plant Defensins: Structure-Activity Relationships, Modes of Action, and Biotech Applications. <i>ACS Symposium Series</i> , 2012, , 317-336.	0.5	8
103	Rv0646c, an esterase from <i>M. tuberculosis</i> , up-regulates the host immune response in THP-1 macrophages cells. <i>Molecular and Cellular Biochemistry</i> , 2018, 447, 189-202.	1.4	8
104	Impact of novel N-aryl piperamide NO donors on NF-κB translocation in neuroinflammation: rational drug-designing synthesis and biological evaluation. <i>Innate Immunity</i> , 2018, 24, 24-39.	1.1	8
105	A comparative analysis of methylation status of tumor suppressor genes in paired biopsy and serum samples from cervical cancer patients among north indian population. <i>Russian Journal of Genetics</i> , 2016, 52, 226-230.	0.2	6
106	Double Mutants in DNA Gyrase Lead to Ofloxacin Resistance in <i>Mycobacterium tuberculosis</i> . <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2950-2957.	1.2	6
107	Multidomain truncated hemoglobins: New members of the globin family exhibiting tandem repeats of globin units and domain fusion. <i>IUBMB Life</i> , 2017, 69, 479-488.	1.5	6
108	mbtj: an iron stress-induced acetyl hydrolase/esterase of <i>Mycobacterium tuberculosis</i> helps bacteria to survive during iron stress. <i>Future Microbiology</i> , 2018, 13, 547-564.	1.0	6

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109	Rv2223c, an acid inducible carboxyl-esterase of <i>Mycobacterium tuberculosis</i> enhanced the growth and survival of <i>Mycobacterium smegmatis</i> . <i>Future Microbiology</i> , 2019, 14, 1397-1415.	1.0	6
110	Novel missense mutations in <i>gidB</i> gene associated with streptomycin resistance in <i>Mycobacterium tuberculosis</i> : insights from molecular dynamics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 20-35.	2.0	6
111	Molecular Dynamics Assisted Mechanistic Insight of Val430-Ala Mutation of Rv1592c Protein in Isoniazid Resistant <i>Mycobacterium Tuberculosis</i> . <i>Current Computer-Aided Drug Design</i> , 2021, 17, 95-106.	0.8	6
112	Risk of Late-Onset Alzheimer's Disease by Plasma Cholesterol: Rational <i>In Silico</i> Drug Investigation of Pyrrole-Based HMG-CoA Reductase Inhibitors. <i>Assay and Drug Development Technologies</i> , 2017, 15, 342-351.	0.6	5
113	The critical role of piperamide derivative D4 in the regulation of inflammatory response by the microglia and astrocytic glial cells. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110895.	2.5	5
114	The lipolytic activity of LipJ, a stress-induced enzyme, is regulated by its C-terminal adenylate cyclase domain. <i>Future Microbiology</i> , 2021, 16, 487-507.	1.0	5
115	Expression of heat shock protein 90, 70, 60 and 25 in the placenta of <i>Plasmodium berghei</i> infected BALB/c mice. <i>Asian Pacific Journal of Tropical Disease</i> , 2014, 4, S442-S444.	0.5	4
116	New Insight into Old <i>Bacillus</i> Lipase: Solvent Stable Mesophilic Lipase Demonstrating Enzyme Activity towards Cold. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2015, 25, 340-348.	1.0	4
117	Gauging the trends of pseudogenes in plants. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 1114-1129.	5.1	4
118	Mutation in Eth A protein of <i>Mycobacterium tuberculosis</i> conferred drug tolerance against ethionamide in <i>Mycobacterium smegmatis</i> mc2155. <i>Computational Biology and Chemistry</i> , 2022, 98, 107677.	1.1	4
119	Genomic Insights into Omega-3 Polyunsaturated Fatty Acid Producing <i>Shewanella</i> sp. N2AIL from Fish Gut. <i>Biology</i> , 2022, 11, 632.	1.3	4
120	Cloning and Characterization of Promoter-Active DNA Sequences from <i>Streptococcus equisimilis</i> . <i>Current Microbiology</i> , 2007, 54, 48-53.	1.0	3
121	Differential expression of two members of Rv1922-LipD operon in <i>Mycobacterium tuberculosis</i> : Does rv1923 qualify for membership?. <i>Pathogens and Disease</i> , 2015, 73, .	0.8	3
122	Conserved cysteine variants of metagenomic derived polygalacturonase concurrently shift its optima at acidic pH and enhanced thermostability: structural and functional analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 265-273.	2.0	3
123	Integration of VEK ϵ 30 peptide enhances fibrinolytic properties of staphylokinase. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 213-220.	1.4	3
124	Correlation of over-expression of rv1900c with enhanced survival of <i>M. smegmatis</i> under stress conditions: Modulation of cell surface properties. <i>Gene</i> , 2021, 791, 145720.	1.0	3
125	Degradation of TNP, RDX, and CL-20 Explosives by Microbes. <i>Environmental Science and Engineering</i> , 2014, , 87-111.	0.1	3
126	In-Silico Characterization of a Hypothetical Protein, Rv1288 of <i>Mycobacterium tuberculosis</i> Containing an Esterase Signature and an Uncommon LytE Domain. <i>Current Computer-Aided Drug Design</i> , 2017, 13, 101-111.	0.8	3

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127	Comparative analysis of point mutations on protein COOH terminal near surface and its hydrophobic core provide insights on thermostability of Bacillus Lipase LipJ. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S482-S490.	1.8	2
128	Intrinsically Unstructured Carboxy Terminus of Bacillus Lipase is Essential for its Function. Protein and Peptide Letters, 2014, 21, 1265-1272.	0.4	2
129	Intrinsically unstructured carboxy terminus of Bacillus lipase is essential for its function. Protein and Peptide Letters, 2014, 21, 1265-72.	0.4	2
130	Environment dependent expression of mycobacterium hormone sensitive lipases: expression pattern under ex-vivo and individual in-vitro stress conditions in M. tuberculosis H37Ra. Molecular Biology Reports, 2022, 49, 4583-4593.	1.0	2
131	Antifungal Plant Defensins: Insights into Modes of Action and Prospects for Engineering Disease-Resistant Plants. , 2018, , 129-140.		1
132	Biomarkers of Cardiac Health and Disease. Critical Reviews in Biomedical Engineering, 2019, 47, 395-407.	0.5	1
133	Molecular characterization and immunogenic function of ML1899 (LipG) of Mycobacterium leprae. Journal of Medical Microbiology, 2019, 68, 1629-1640.	0.7	1
134	A Phagosomally Expressed Gene, rv0428c, of Mycobacterium tuberculosis Demonstrates Acetyl Transferase Activity and Plays a Protective Role Under Stress Conditions. Protein Journal, 2022, 41, 260-273.	0.7	1
135	Studies on Recombinant Lipase Production by <i>E. Coli</i> : Effect of Media And Bacterial Expression System Optimization. International Journal of Molecular Biology Open Access, 2017, 2, .	0.2	0