Wim J Quax

List of Publications by Year in descending order

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228	9,991	34105 52	48315 88
papers	citations	h-index	g-index

240	240	240	9012
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Multiple Signaling Systems Regulating Virulence in Pseudomonas aeruginosa. Microbiology and Molecular Biology Reviews, 2012, 76, 46-65.	6.6	619
2	Proteomics of Protein Secretion by Bacillus subtilis : Separating the â€œSecretsâ€•of the Secretome. Microbiology and Molecular Biology Reviews, 2004, 68, 207-233.	6.6	497
3	Bacillus subtilis as cell factory for pharmaceutical proteins: a biotechnological approach to optimize the host organism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1694, 299-310.	4.1	382
4	Quorum Quenching by an N-Acyl-Homoserine Lactone Acylase from Pseudomonas aeruginosa PAO1. Infection and Immunity, 2006, 74, 1673-1682.	2.2	297
5	Seasonal Variation of Artemisinin and its Biosynthetic Precursors in Plants of Artemisia annua of Different Geographical Origin: Proof for the Existence of Chemotypes. Planta Medica, 2000, 66, 57-62.	1.3	262
6	The structure of the vimentin gene. Cell, 1983, 35, 215-223.	28.9	255
7	Genome Engineering Reveals Large Dispensable Regions in Bacillus subtilis. Molecular Biology and Evolution, 2003, 20, 2076-2090.	8.9	188
8	Engineering Escherichia coli for methanol conversion. Metabolic Engineering, 2015, 28, 190-201.	7.0	166
9	Functional analysis of the secretory precursor processing machinery of Bacillus subtilis:â€ƒidentification of a eubacterial homolog of archaeal and eukaryotic signalâ€‰peptidases. Genes and Development, 1998, 12, 2318-2331.	5.9	159
10	Designed tumor necrosis factor-related apoptosis-inducing ligand variants initiating apoptosis exclusively via the DR5 receptor. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8634-8639.	7.1	151
11	Complete structure of the alpha B-crystallin gene: conservation of the exon-intron distribution in the two nonlinked alpha-crystallin genes.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 5819-5823.	7.1	136
12	Isolation and Identification of Dihydroartemisinic Acid fromArtemisia annuaand Its Possible Role in the Biosynthesis of Artemisinin. Journal of Natural Products, 1999, 62, 430-433.	3.0	131
13	Characterization of the hamster desmin gene: Expression and formation of desmin filaments in nonmuscle cells after gene transfer. Cell, 1985, 43, 327-338.	28.9	126
14	Primary and secondary structure of hamster vimentin predicted from the nucleotide sequence.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 3548-3552.	7.1	125
15	The quorum-quenching N -acyl homoserine lactone acylase PvdQ is an Ntn-hydrolase with an unusual substrate-binding pocket. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 686-691.	7.1	124
16	SecDF of Bacillus subtilis, a Molecular Siamese Twin Required for the Efficient Secretion of Proteins. Journal of Biological Chemistry, 1998, 273, 21217-21224.	3.4	123
17	Directed evolution: selecting today's biocatalysts. New Biotechnology, 2005, 22, 1-9.	2.7	114
18	Selective Contribution of the Twin-Arginine Translocation Pathway to Protein Secretion in Bacillus subtilis. Journal of Biological Chemistry, 2002, 277, 44068-44078.	3.4	113

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19	Quorum-Quenching Acylase Reduces the Virulence of Pseudomonas aeruginosa in a Caenorhabditis elegans Infection Model. Antimicrobial Agents and Chemotherapy, 2009, 53, 4891-4897.	3.2	109
20	Isolation and Identification of Dihydroartemisinic Acid Hydroperoxide fromArtemisia annua:Â A Novel Biosynthetic Precursor of Artemisinin. Journal of Natural Products, 1999, 62, 1160-1162.	3.0	102
21	Thiol-Disulfide Oxidoreductases Are Essential for the Production of the Lantibiotic Sublancin 168. Journal of Biological Chemistry, 2002, 277, 16682-16688.	3.4	101
22	Role of PvdQ in Pseudomonas aeruginosa virulence under iron-limiting conditions. Microbiology (United Kingdom), 2010, 156, 49-59.	1.8	100
23	Regulation of Survival Networks in Senescent Cells: From Mechanisms to Interventions. Journal of Molecular Biology, 2019, 431, 2629-2643.	4.2	100
24	Combinatorial biosynthesis of medicinal plant secondary metabolites. New Biotechnology, 2006, 23, 265-279.	2.7	99
25	Functional analysis of genes involved in the biosynthesis of isoprene in Bacillus subtilis. Applied Microbiology and Biotechnology, 2007, 75, 1377-1384.	3.6	93
26	Functional Analysis of Paralogous Thiol-disulfide Oxidoreductases in Bacillus subtilis. Journal of Biological Chemistry, 1999, 274, 24531-24538.	3.4	85
27	The bdbDC Operon of Bacillus subtilisEncodes Thiol-disulfide Oxidoreductases Required for Competence Development. Journal of Biological Chemistry, 2002, 277, 6994-7001.	3.4	85
28	Bridging between Organocatalysis and Biocatalysis: Asymmetric Addition of Acetaldehyde to Î²â€Nitrostyrenes Catalyzed by a Promiscuous Prolineâ€Based Tautomerase. Angewandte Chemie - International Edition, 2012, 51, 1240-1243.	13.8	85
29	RET-Familial Medullary Thyroid Carcinoma Mutants Y791F and S891A Activate a Src/JAK/STAT3 Pathway, Independent of Glial Cell Lineâ€“Derived Neurotrophic Factor. Cancer Research, 2005, 65, 1729-1737.	0.9	84
30	PA0305 of Pseudomonas aeruginosa is a quorum quenching acylhomoserine lactone acylase belonging to the Ntn hydrolase superfamily. Microbiology (United Kingdom), 2011, 157, 2042-2055.	1.8	84
31	Using mutability landscapes of a promiscuous tautomerase to guide the engineering of enantioselective Michaelases. Nature Communications, 2016, 7, 10911.	12.8	80
32	Seasonal Variations of Artemisinin and its Biosynthetic Precursors in Tetraploid Artemisia annua Plants Compared with the Diploid Wild-Type. Planta Medica, 1999, 65, 723-728.	1.3	79
33	Engineering methylaspartate ammonia lyase for the asymmetric synthesis of unnatural amino acids. Nature Chemistry, 2012, 4, 478-484.	13.6	77
34	Complete structure of the hamster Î±A crystallin gene. Journal of Molecular Biology, 1985, 185, 273-284.	4.2	76
35	Production of Active Bacillus licheniformis Alpha-Amylase in Tobacco and its Application in Starch Liquefaction. Nature Biotechnology, 1992, 10, 292-296.	17.5	74
36	Thiol-disulphide oxidoreductase modules in the low-GC Gram-positive bacteria. Molecular Microbiology, 2007, 64, 984-999.	2.5	74

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37	Secretion of functional human interleukin-3 from Bacillus subtilis. Journal of Biotechnology, 2006, 123, 211-224.	3.8	72
38	Bovine Î²-crystallin complementary DNA clones. Journal of Molecular Biology, 1984, 180, 457-472.	4.2	70
39	Improved Î²-lactam acylases and their use as industrial biocatalysts. Current Opinion in Biotechnology, 2004, 15, 349-355.	6.6	68
40	Selection strategies for improved biocatalysts. FEBS Journal, 2007, 274, 2181-2195.	4.7	65
41	Reducing virulence of the human pathogen Burkholderia by altering the substrate specificity of the quorum-quenching acylase PvdQ. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1568-1573.	7.1	65
42	Directed Evolution of Bacillus subtilis Lipase A by Use of Enantiomeric Phosphonate Inhibitors: Crystal Structures and Phage Display Selection. ChemBioChem, 2006, 7, 149-157.	2.6	64
43	Deciphering Physiological Functions of AHL Quorum Quenching Acylases. Frontiers in Microbiology, 2017, 8, 1123.	3.5	64
44	Rapid and efficient cancer cell killing mediated by high-affinity death receptor homotrimerizing TRAIL variants. Cell Death and Disease, 2010, 1, e83-e83.	6.3	63
45	Functional genomic analysis of the Bacillus subtilis Tat pathway for protein secretion. Journal of Biotechnology, 2002, 98, 243-254.	3.8	62
46	The CssRS two-component regulatory system controls a general secretion stress response in Bacillus subtilis. FEBS Journal, 2006, 273, 3816-3827.	4.7	61
47	A Novel Genetic Selection System for Improved Enantioselectivity of Bacillus subtilis Lipase A. ChemBioChem, 2008, 9, 1110-1115.	2.6	60
48	Altering the Substrate Specificity of Cephalosporin Acylase by Directed Evolution of the Î²-Subunit. Journal of Biological Chemistry, 2002, 277, 42121-42127.	3.4	57
49	Kinome profiling of non-canonical TRAIL signaling reveals RIP1-Src-STAT3 dependent invasion in resistant non-small cell lung cancer cells. Journal of Cell Science, 2012, 125, 4651-61.	2.0	57
50	Metabolic Engineering of Bacillus subtilis Toward Taxadiene Biosynthesis as the First Committed Step for Taxol Production. Frontiers in Microbiology, 2019, 10, 218.	3.5	57
51	DR4-selective Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) Variants Obtained by Structure-based Design. Journal of Biological Chemistry, 2008, 283, 20560-20568.	3.4	56
52	Development of a Lipase Fermentation Process That Uses a Recombinant Pseudomonas alcaligenes Strain. Applied and Environmental Microbiology, 1998, 64, 2644-2651.	3.1	55
53	Signal peptide hydrophobicity is critical for early stages in protein export by Bacillus subtilis. FEBS Journal, 2005, 272, 4617-4630.	4.7	55
54	Decoy receptors block TRAIL sensitivity at a supracellular level: the role of stromal cells in controlling tumour TRAIL sensitivity. Oncogene, 2016, 35, 1261-1270.	5.9	54

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55	Two death-inducing human TRAIL receptors to target in cancer: Similar or distinct regulation and function?. Biochemical Pharmacology, 2014, 91, 447-456.	4.4	53
56	The human desmin and vimentin genes are located on different chromosomes. Gene, 1985, 38, 189-196.	2.2	50
57	Enhancing the Thermostability of Glucose Isomerase by Protein Engineering. Nature Biotechnology, 1991, 9, 738-742.	17.5	49
58	Choosing an Appropriate Infection Model to Study Quorum Sensing Inhibition in Pseudomonas Infections. International Journal of Molecular Sciences, 2013, 14, 19309-19340.	4.1	49
59	PvdQ Quorum Quenching Acylase Attenuates Pseudomonas aeruginosa Virulence in a Mouse Model of Pulmonary Infection. Frontiers in Cellular and Infection Microbiology, 2018, 8, 119.	3.9	49
60	A Glimpse into the Biosynthesis of Terpenoids. KnE Life Sciences, 2017, 3, 81.	0.1	49
61	Enhanced Antitumor Efficacy of a DR5-Specific TRAIL Variant over Recombinant Human TRAIL in a Bioluminescent Ovarian Cancer Xenograft Model. Clinical Cancer Research, 2009, 15, 2048-2057.	7.0	48
62	Proteomic dissection of potential signal recognition particle dependence in protein secretion byBacillus subtilis. Proteomics, 2006, 6, 3636-3648.	2.2	47
63	Antifungal and biofilm inhibitory effect of Cymbopogon citratus (lemongrass) essential oil on biofilm forming by Candida tropicalis isolates; an in vitro study. Journal of Ethnopharmacology, 2020, 246, 112188.	4.1	46
64	Intermediate filament cDNAs from BHK-21 cells: demonstration of distinct genes for desmin and vimentin in all vertebrate classes.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 5970-5974.	7.1	44
65	The phenotype enhancement method identifies the Xcp outer membrane secretion machinery from Pseudomonas alcaligenes as a bottleneck for lipase production. Journal of Biotechnology, 1998, 64, 23-38.	3.8	44
66	Directed evolution of a glutaryl acylase into an adipyl acylase. FEBS Journal, 2002, 269, 4495-4504.	0.2	44
67	Systematic Screening for Catalytic Promiscuity in 4â€Oxalocrotonate Tautomerase: Enamine Formation and Aldolase Activity. ChemBioChem, 2011, 12, 602-609.	2.6	43
68	Enhanced C30 carotenoid production in Bacillus subtilis by systematic overexpression of MEP pathway genes. Applied Microbiology and Biotechnology, 2015, 99, 5907-5915.	3.6	43
69	Extracellular lipases fromBacillus subtilis: regulation of gene expression and enzyme activity by amino acid supply and external pH. FEMS Microbiology Letters, 2003, 225, 319-324.	1.8	42
70	High-Throughput Screening in Protein Engineering: Recent Advances and Future Perspectives. International Journal of Molecular Sciences, 2015, 16, 24918-24945.	4.1	42
71	A Fast and Simple GC MS Method for Lignan Profiling in Anthriscus sylvestris and Biosynthetically Related Plant Species. Planta Medica, 2001, 67, 858-862.	1.3	41
72	The Molecular Cloning of Dihydroartemisinic Aldehyde Reductase and its Implication in Artemisinin Biosynthesis inArtemisia annua. Planta Medica, 2010, 76, 1778-1783.	1.3	41

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73	Development of a dry, stable and inhalable acylâ€“homoserineâ€“lactoneâ€“acylase powder formulation for the treatment of pulmonary Pseudomonas aeruginosa infections. European Journal of Pharmaceutical Sciences, 2013, 48, 637-643.	4.0	41
74	PvdP Is a Tyrosinase That Drives Maturation of the Pyoverdine Chromophore in Pseudomonas aeruginosa. Journal of Bacteriology, 2014, 196, 2681-2690.	2.2	39
75	Improving protein secretion by engineering components of the bacterial translocation machinery. Current Opinion in Biotechnology, 1999, 10, 376-381.	6.6	38
76	Functional Identification of the Product of the Bacillus subtilis yvaL Gene as a SecG Homologue. Journal of Bacteriology, 1999, 181, 1786-1792.	2.2	37
77	Bioconversion of deoxypodophyllotoxin into epipodophyllotoxin in E. coli using human cytochrome P450 3A4. Journal of Biotechnology, 2006, 126, 383-393.	3.8	37
78	Assessing Pseudomonas Virulence with Nonmammalian Host: Galleria mellonella. Methods in Molecular Biology, 2014, 1149, 681-688.	0.9	37
79	Loop Grafting of Bacillus subtilis Lipase A: Inversion of Enantioselectivity. Chemistry and Biology, 2008, 15, 782-789.	6.0	35
80	Nutlin-3 preferentially sensitises wild-type p53-expressing cancer cells to DR5-selective TRAIL over rhTRAIL. British Journal of Cancer, 2013, 109, 2685-2695.	6.4	35
81	Volatile components from Anthriscus sylvestris (L.) Hoffm.. Journal of Chromatography A, 2002, 966, 233-238.	3.7	34
82	Metabolic engineering of Bacillus subtilis for terpenoid production. Applied Microbiology and Biotechnology, 2015, 99, 9395-9406.	3.6	34
83	Histone Deacetylase Inhibitors Sensitize TRAIL-Induced Apoptosis in Colon Cancer Cells. Cancers, 2019, 11, 645.	3.7	33
84	Deinococcus radioduranscan interfere with quorum sensing by producing an AHL-acylase and an AHL-lactonase. FEMS Microbiology Letters, 2014, 356, 62-70.	1.8	31
85	Paralogous gene analysis reveals a highly enantioselective 1,2-O-isopropylideneglycerol caprylate esterase ofBacillus subtilis. FEBS Journal, 2001, 268, 3332-3338.	0.2	30
86	Stabilization of TRAIL, an all-Â-sheet multimeric protein, using computational redesign. Protein Engineering, Design and Selection, 2004, 17, 673-680.	2.1	30
87	Lignan profile of Piper cubeba, an Indonesian medicinal plant. Biochemical Systematics and Ecology, 2007, 35, 397-402.	1.3	30
88	Discovery of an Escherichia coli Esterase with High Activity and Enantioselectivity toward 1,2-O -Isopropylideneglycerol Esters. Applied and Environmental Microbiology, 2011, 77, 6094-6099.	3.1	30
89	Phage display selects for amylases with improved low pH starch-binding. Journal of Biotechnology, 2002, 96, 103-118.	3.8	29
90	Enhancement of Antitumor Properties of rhTRAIL by Affinity Increase toward Its Death Receptorsâ€. Biochemistry, 2009, 48, 2180-2191.	2.5	29

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91	Production of Î±-cuprenene in Xanthophyllomyces dendrorhous: a step closer to a potent terpene biofactory. Microbial Cell Factories, 2013, 12, 13.	4.0	29
92	Lignans from Cell Suspension Cultures ofPhyllanthusniruri, an Indonesian Medicinal Plant. Journal of Natural Products, 2006, 69, 55-58.	3.0	28
93	A Disulfide Bond-Containing Alkaline Phosphatase Triggers a BdbC-Dependent Secretion Stress Response in Bacillus subtilis. Applied and Environmental Microbiology, 2006, 72, 6876-6885.	3.1	28
94	Genetic or chemical protease inhibition causes significant changes in the Bacillus subtilis exoproteome. Proteomics, 2008, 8, 2704-2713.	2.2	28
95	Caenorhabditis elegans reveals novel Pseudomonas aeruginosa virulence mechanism. Trends in Microbiology, 2013, 21, 315-316.	7.7	28
96	DR4 specific TRAIL variants are more efficacious than wild-type TRAIL in pancreatic cancer. Cancer Biology and Therapy, 2014, 15, 1658-1666.	3.4	28
97	Catalysis of amorpha-4,11-diene synthase unraveled and improved by mutability landscape guided engineering. Scientific Reports, 2018, 8, 9961.	3.3	28
98	Thermostable glucose isomerases. Trends in Food Science and Technology, 1993, 4, 31-34.	15.1	27
99	Immobilization of chiral enzyme inhibitors on solid supports by amide-forming coupling and olefin metathesis. Tetrahedron, 2002, 58, 8465-8473.	1.9	26
100	The Bacillus secretion stress response is an indicator for alpha-amylase production levels. Letters in Applied Microbiology, 2004, 39, 65-73.	2.2	26
101	Processing and functional display of the 86ÂkDa heterodimeric penicillin G acylase on the surface of phage fd. Biochemical Journal, 1999, 342, 415-422.	3.7	25
102	Kinetics in Signal Transduction Pathways Involving Promiscuous Oligomerizing Receptors Can Be Determined by Receptor Specificity: Apoptosis Induction by TRAIL. Molecular and Cellular Proteomics, 2012, 11, M111.013730.	3.8	25
103	Penicillin V acylases from gram-negative bacteria degrade N-acylhomoserine lactones and attenuate virulence in Pseudomonas aeruginosa. Applied Microbiology and Biotechnology, 2017, 101, 2383-2395.	3.6	25
104	Merits of secretion of heterologous proteins from industrial microorganisms. Folia Microbiologica, 1997, 42, 99-103.	2.3	24
105	A Phytochemical Study of Lignans in Whole Plants and Cell Suspension Cultures ofAnthriscus sylvestris. Planta Medica, 2003, 69, 733-738.	1.3	24
106	FlhF, the Third Signal Recognition Particle-GTPase of Bacillus subtilis , Is Dispensable for Protein Secretion. Journal of Bacteriology, 2004, 186, 5956-5960.	2.2	24
107	Composition of the essential oils ofKaempferia rotunda L. andKaempferia angustifolia Roscoe rhizomes from Indonesia. Flavour and Fragrance Journal, 2004, 19, 145-148.	2.6	24
108	Alteration of the Diastereoselectivity of 3â€Methylaspartate Ammonia Lyase by Using Structureâ€Based Mutagenesis. ChemBioChem, 2009, 10, 2236-2245.	2.6	24

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109	Unraveling the Binding Mechanism of Trivalent Tumor Necrosis Factor Ligands and Their Receptors. Molecular and Cellular Proteomics, 2011, 10, M110.002808.	3.8	24
110	Enhancement of the Promiscuous Aldolase and Dehydration Activities of 4â€Oxalocrotonate Tautomerase by Protein Engineering. ChemBioChem, 2012, 13, 1274-1277.	2.6	24
111	Production of Squalene in Bacillus subtilis by Squalene Synthase Screening and Metabolic Engineering. Journal of Agricultural and Food Chemistry, 2020, 68, 4447-4455.	5.2	24
112	Betacyanins, major components in Opuntia red-purple fruits, protect against acetaminophen-induced acute liver failure. Food Research International, 2020, 137, 109461.	6.2	24
113	Evaluation of Different Glutaryl Acylase Mutants to Improve the Hydolysis of Cephalosporin C in the Absence of Hydrogen Peroxide. Advanced Synthesis and Catalysis, 2008, 350, 343-348.	4.3	23
114	Lipase Expression in Pseudomonas alcaligenes Is Under the Control of a Two-Component Regulatory System. Applied and Environmental Microbiology, 2008, 74, 1402-1411.	3.1	23
115	Enhancement of the enantioselectivity of carboxylesterase A by structure-based mutagenesis. Journal of Biotechnology, 2012, 158, 36-43.	3.8	23
116	Death receptor 5 is activated by fucosylation in colon cancer cells. FEBS Journal, 2019, 286, 555-571.	4.7	23
117	Current State and Future Directions of Genetics and Genomics of Endophytic Fungi for Bioprospecting Efforts. Frontiers in Bioengineering and Biotechnology, 2021, 9, 649906.	4.1	23
118	Binding of phage displayed Bacillus subtilis lipase A to a phosphonate suicide inhibitor. Journal of Biotechnology, 2003, 101, 19-28.	3.8	22
119	Analysis of a substrate specificity switch residue of cephalosporin acylase. Biochemical and Biophysical Research Communications, 2003, 312, 755-760.	2.1	22
120	Essential Oil Constituents ofPiper cubebaL. fils. from Indonesia. Journal of Essential Oil Research, 2007, 19, 14-17.	2.7	22
121	Modulation of Thiol-Disulfide Oxidoreductases for Increased Production of Disulfide-Bond-Containing Proteins in Bacillus subtilis. Applied and Environmental Microbiology, 2008, 74, 7536-7545.	3.1	22
122	Antibody-Free LC-MS/MS Quantification of rhTRAIL in Human and Mouse Serum. Analytical Chemistry, 2013, 85, 10754-10760.	6.5	22
123	Proteolysis Targeting Chimera (PROTAC) for Macrophage Migration Inhibitory Factor (MIF) Has Antiâ€Proliferative Activity in Lung Cancer Cells. Angewandte Chemie - International Edition, 2021, 60, 17514-17521.	13.8	22
124	The Bioconversion Process of Deoxypodophyllotoxin withLinum flavumCell Cultures. Planta Medica, 2003, 69, 739-744.	1.3	21
125	Metabolic stereoselectivity of cytochrome P450 3A4 towards deoxypodophyllotoxin: In silico predictions and experimental validation. European Journal of Medicinal Chemistry, 2008, 43, 1171-1179.	5.5	21
126	Enantioselective Synthesis of Nâ€Substituted Aspartic Acids Using an Engineered Variant of Methylaspartate Ammonia Lyase. ChemCatChem, 2013, 5, 1325-1327.	3.7	21

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127	A novel histone acetyltransferase inhibitor A485 improves sensitivity of non-small-cell lung carcinoma cells to TRAIL. Biochemical Pharmacology, 2020, 175, 113914.	4.4	21
128	Phage Display of an Intracellular Carboxylesterase of Bacillus subtilis : Comparison of Sec and Tat Pathway Export Capabilities. Applied and Environmental Microbiology, 2006, 72, 4589-4595.	3.1	20
129	Structural and Functional Characterization of a Macrophage Migration Inhibitory Factor Homologue from the Marine Cyanobacterium Prochlorococcus marinus,. Biochemistry, 2010, 49, 7572-7581.	2.5	20
130	Crystal structures of two Bacillus carboxylesterases with different enantioselectivities. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 567-575.	2.3	20
131	Mutational Analysis of a Key Residue in the Substrate Specificity of a Cephalosporin Acylase. ChemBioChem, 2004, 5, 820-825.	2.6	19
132	Genes Involved in SkfA Killing Factor Production Protect a Bacillus subtilis Lipase against Proteolysis. Applied and Environmental Microbiology, 2005, 71, 1899-1908.	3.1	19
133	Synthetic constrained peptide selectively binds and antagonizes death receptor 5. FEBS Journal, 2010, 277, 1653-1665.	4.7	19
134	Inhibitory selectivity among class I HDACs has a major impact on inflammatory gene expression in macrophages. European Journal of Medicinal Chemistry, 2019, 177, 457-466.	5.5	19
135	Engineering of Multiple Modules to Improve Amorphadiene Production in Bacillus subtilis Using CRISPR-Cas9. Journal of Agricultural and Food Chemistry, 2021, 69, 4785-4794.	5.2	19
136	Siteâ€directed mutagenesis, kinetic and inhibition studies of aspartate ammonia lyase from Bacillus sp. YM55â€1. FEBS Journal, 2009, 276, 2994-3007.	4.7	18
137	Targeting AML through DR4 with a novel variant of rhTRAIL. Journal of Cellular and Molecular Medicine, 2011, 15, 2216-2231.	3.6	18
138	Processing and functional display of the 86ÂkDa heterodimeric penicillin G acylase on the surface of phage fd. Biochemical Journal, 1999, 342, 415.	3.7	17
139	Characterization of the promoter and upstream activating sequence from the Pseudomonas alcaligenes lipase gene. Journal of Biotechnology, 2001, 86, 9-17.	3.8	17
140	7-Hydroxycoumarins Are Affinity-Based Fluorescent Probes for Competitive Binding Studies of Macrophage Migration Inhibitory Factor. Journal of Medicinal Chemistry, 2020, 63, 11920-11933.	6.4	17
141	Heterologous production of Escherichia coli penicillin G acylase in Pseudomonas aeruginosa. Journal of Biotechnology, 2009, 142, 250-258.	3.8	16
142	Exoproteome Heterogeneity among Closely Related Staphylococcus aureus t437 Isolates and Possible Implications for Virulence. Journal of Proteome Research, 2019, 18, 2859-2874.	3.7	16
143	A novel mechanism of inhibition by phenylthiourea on PvdP, a tyrosinase synthesizing pyoverdine of Pseudomonas aeruginosa. International Journal of Biological Macromolecules, 2020, 146, 212-221.	7.5	16
144	Engineering the specificity of <scp>Streptococcus pyogenes</scp> sortase A by loop grafting. Proteins: Structure, Function and Bioinformatics, 2020, 88, 1394-1400.	2.6	16

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145	The conformation of the extracellular binding domain of Death Receptor 5 in the presence and absence of the activating ligand TRAIL: A molecular dynamics study. Proteins: Structure, Function and Bioinformatics, 2008, 70, 333-343.	2.6	15
146	Seasonal Variations in the Deoxypodophyllotoxin Content and Yield of Anthriscus sylvestris L. (Hoffm.) Grown in the Field and under Controlled Conditions. Journal of Agricultural and Food Chemistry, 2011, 59, 8132-8139.	5.2	15
147	Death Receptor 5 Displayed on Extracellular Vesicles Decreases TRAIL Sensitivity of Colon Cancer Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 318.	3.7	15
148	Alzheimer tau test and detergent cellulase. Journal of Biotechnology, 1998, 66, 229-233.	3.8	14
149	Comparison and functional characterisation of three homologous intracellular carboxylesterases of Bacillus subtilis. Journal of Molecular Catalysis B: Enzymatic, 2005, 32, 261-270.	1.8	14
150	An Esterase with Superior Activity and Enantioselectivity towards 1,2â€‹Oâ€‹isopropylideneglycerol Esters Obtained by Protein Design. Advanced Synthesis and Catalysis, 2012, 354, 3009-3015.	4.3	14
151	Decreased Affinity of Recombinant Human Tumor Necrosis Factor-related Apoptosis-inducing Ligand (rhTRAIL) D269H/E195R to Osteoprotegerin (OPG) Overcomes TRAIL Resistance Mediated by the Bone Microenvironment. Journal of Biological Chemistry, 2014, 289, 1071-1078.	3.4	14
152	The ER stress inducer DMC enhances TRAIL-induced apoptosis in glioblastoma. SpringerPlus, 2014, 3, 495.	1.2	14
153	Insights into the Three-Dimensional Structure of Amorpha-4,11-diene Synthase and Probing of Plasticity Residues. Journal of Natural Products, 2016, 79, 2455-2463.	3.0	14
154	Receptor-specific TRAIL as a means to achieve targeted elimination of activated hepatic stellate cells. Journal of Drug Targeting, 2017, 25, 360-369.	4.4	14
155	Novel 15-Lipoxygenase-1 Inhibitor Protects Macrophages from Lipopolysaccharide-Induced Cytotoxicity. Journal of Medicinal Chemistry, 2019, 62, 4624-4637.	6.4	14
156	High level production of amorphadiene using Bacillus subtilis as an optimized terpenoid cell factory. New Biotechnology, 2021, 60, 159-167.	4.4	14
157	Thieno[2,3-d]pyrimidine-2,4(1H,3H)-dione Derivative Inhibits <scp>d</scp>-Dopachrome Tautomerase Activity and Suppresses the Proliferation of Non-Small Cell Lung Cancer Cells. Journal of Medicinal Chemistry, 2022, 65, 2059-2077.	6.4	14
158	The acylase PvdQ has a conserved function among fluorescent Pseudomonas spp.. Environmental Microbiology Reports, 2010, 2, 433-439.	2.4	13
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