

Wim J Quax

List of Publications by Year in descending order

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228
papers

9,991
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34016

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48187

88
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all docs

240
docs citations

240
times ranked

9012
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Multiple Signaling Systems Regulating Virulence in <i>Pseudomonas aeruginosa</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2012, 76, 46-65. | 2.9 | 619 |
| 2 | Proteomics of Protein Secretion by <i>Bacillus subtilis</i> : Separating the "Secrets" of the Secretome. <i>Microbiology and Molecular Biology Reviews</i> , 2004, 68, 207-233. | 2.9 | 497 |
| 3 | <i>Bacillus subtilis</i> as cell factory for pharmaceutical proteins: a biotechnological approach to optimize the host organism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1694, 299-310. | 1.9 | 382 |
| 4 | Quorum Quenching by an N-Acyl-Homoserine Lactone Acylase from <i>Pseudomonas aeruginosa</i> PAO1. <i>Infection and Immunity</i> , 2006, 74, 1673-1682. | 1.0 | 297 |
| 5 | Seasonal Variation of Artemisinin and its Biosynthetic Precursors in Plants of <i>Artemisia annua</i> of Different Geographical Origin: Proof for the Existence of Chemotypes. <i>Planta Medica</i> , 2000, 66, 57-62. | 0.7 | 262 |
| 6 | The structure of the vimentin gene. <i>Cell</i> , 1983, 35, 215-223. | 13.5 | 255 |
| 7 | Genome Engineering Reveals Large Dispensable Regions in <i>Bacillus subtilis</i> . <i>Molecular Biology and Evolution</i> , 2003, 20, 2076-2090. | 3.5 | 188 |
| 8 | Engineering <i>Escherichia coli</i> for methanol conversion. <i>Metabolic Engineering</i> , 2015, 28, 190-201. | 3.6 | 166 |
| 9 | Functional analysis of the secretory precursor processing machinery of <i>Bacillus subtilis</i> : identification of a eubacterial homolog of archaeal and eukaryotic signal peptidases. <i>Genes and Development</i> , 1998, 12, 2318-2331. | 2.7 | 159 |
| 10 | Designed tumor necrosis factor-related apoptosis-inducing ligand variants initiating apoptosis exclusively via the DR5 receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8634-8639. | 3.3 | 151 |
| 11 | Complete structure of the alpha B-crystallin gene: conservation of the exon-intron distribution in the two nonlinked alpha-crystallin genes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 5819-5823. | 3.3 | 136 |
| 12 | Isolation and Identification of Dihydroartemisinic Acid from <i>Artemisia annua</i> and Its Possible Role in the Biosynthesis of Artemisinin. <i>Journal of Natural Products</i> , 1999, 62, 430-433. | 1.5 | 131 |
| 13 | Characterization of the hamster desmin gene: Expression and formation of desmin filaments in nonmuscle cells after gene transfer. <i>Cell</i> , 1985, 43, 327-338. | 13.5 | 126 |
| 14 | Primary and secondary structure of hamster vimentin predicted from the nucleotide sequence.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983, 80, 3548-3552. | 3.3 | 125 |
| 15 | The quorum-quenching <i>N</i> -acyl homoserine lactone acylase PvdQ is an Ntn-hydrolase with an unusual substrate-binding pocket. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 686-691. | 3.3 | 124 |
| 16 | SecDF of <i>Bacillus subtilis</i> , a Molecular Siamese Twin Required for the Efficient Secretion of Proteins. <i>Journal of Biological Chemistry</i> , 1998, 273, 21217-21224. | 1.6 | 123 |
| 17 | Directed evolution: selecting today's biocatalysts. <i>New Biotechnology</i> , 2005, 22, 1-9. | 2.7 | 114 |
| 18 | Selective Contribution of the Twin-Arginine Translocation Pathway to Protein Secretion in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 44068-44078. | 1.6 | 113 |

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|----|---|-----|-----------|
| 19 | Quorum-Quenching Acylase Reduces the Virulence of <i>Pseudomonas aeruginosa</i> in a <i>Caenorhabditis elegans</i> Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4891-4897. | 1.4 | 109 |
| 20 | Isolation and Identification of Dihydroartemisinic Acid Hydroperoxide from <i>Artemisia annua</i> : A Novel Biosynthetic Precursor of Artemisinin. <i>Journal of Natural Products</i> , 1999, 62, 1160-1162. | 1.5 | 102 |
| 21 | Thiol-Disulfide Oxidoreductases Are Essential for the Production of the Lantibiotic Sublancin 168. <i>Journal of Biological Chemistry</i> , 2002, 277, 16682-16688. | 1.6 | 101 |
| 22 | Role of PvdQ in <i>Pseudomonas aeruginosa</i> virulence under iron-limiting conditions. <i>Microbiology (United Kingdom)</i> , 2010, 156, 49-59. | 0.7 | 100 |
| 23 | Regulation of Survival Networks in Senescent Cells: From Mechanisms to Interventions. <i>Journal of Molecular Biology</i> , 2019, 431, 2629-2643. | 2.0 | 100 |
| 24 | Combinatorial biosynthesis of medicinal plant secondary metabolites. <i>New Biotechnology</i> , 2006, 23, 265-279. | 2.7 | 99 |
| 25 | Functional analysis of genes involved in the biosynthesis of isoprene in <i>Bacillus subtilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 1377-1384. | 1.7 | 93 |
| 26 | Functional Analysis of Paralogous Thiol-disulfide Oxidoreductases in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 24531-24538. | 1.6 | 85 |
| 27 | The bdbDC Operon of <i>Bacillus subtilis</i> Encodes Thiol-disulfide Oxidoreductases Required for Competence Development. <i>Journal of Biological Chemistry</i> , 2002, 277, 6994-7001. | 1.6 | 85 |
| 28 | Bridging between Organocatalysis and Biocatalysis: Asymmetric Addition of Acetaldehyde to Nitrostyrenes Catalyzed by a Promiscuous Proline-Based Tautomerase. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1240-1243. | 7.2 | 85 |
| 29 | RET-Familial Medullary Thyroid Carcinoma Mutants Y791F and S891A Activate a Src/JAK/STAT3 Pathway, Independent of Glial Cell Line-Derived Neurotrophic Factor. <i>Cancer Research</i> , 2005, 65, 1729-1737. | 0.4 | 84 |
| 30 | PA0305 of <i>Pseudomonas aeruginosa</i> is a quorum quenching acylhomoserine lactone acylase belonging to the Ntn hydrolase superfamily. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2042-2055. | 0.7 | 84 |
| 31 | Using mutability landscapes of a promiscuous tautomerase to guide the engineering of enantioselective Michaelases. <i>Nature Communications</i> , 2016, 7, 10911. | 5.8 | 80 |
| 32 | Seasonal Variations of Artemisinin and its Biosynthetic Precursors in Tetraploid <i>Artemisia annua</i> Plants Compared with the Diploid Wild-Type. <i>Planta Medica</i> , 1999, 65, 723-728. | 0.7 | 79 |
| 33 | Engineering methylaspartate ammonia lyase for the asymmetric synthesis of unnatural amino acids. <i>Nature Chemistry</i> , 2012, 4, 478-484. | 6.6 | 77 |
| 34 | Complete structure of the hamster β -crystallin gene. <i>Journal of Molecular Biology</i> , 1985, 185, 273-284. | 2.0 | 76 |
| 35 | Production of Active <i>Bacillus licheniformis</i> Alpha-Amylase in Tobacco and its Application in Starch Liquefaction. <i>Nature Biotechnology</i> , 1992, 10, 292-296. | 9.4 | 74 |
| 36 | Thiol-disulphide oxidoreductase modules in the low-GC Gram-positive bacteria. <i>Molecular Microbiology</i> , 2007, 64, 984-999. | 1.2 | 74 |

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|----|---|-----|-----------|
| 37 | Secretion of functional human interleukin-3 from <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2006, 123, 211-224. | 1.9 | 72 |
| 38 | Bovine \hat{I}^2 -crystallin complementary DNA clones. <i>Journal of Molecular Biology</i> , 1984, 180, 457-472. | 2.0 | 70 |
| 39 | Improved \hat{I}^2 -lactam acylases and their use as industrial biocatalysts. <i>Current Opinion in Biotechnology</i> , 2004, 15, 349-355. | 3.3 | 68 |
| 40 | Selection strategies for improved biocatalysts. <i>FEBS Journal</i> , 2007, 274, 2181-2195. | 2.2 | 65 |
| 41 | Reducing virulence of the human pathogen <i>Burkholderia</i> by altering the substrate specificity of the quorum-quenching acylase PvdQ. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1568-1573. | 3.3 | 65 |
| 42 | Directed Evolution of <i>Bacillus subtilis</i> Lipase A by Use of Enantiomeric Phosphonate Inhibitors: Crystal Structures and Phage Display Selection. <i>ChemBioChem</i> , 2006, 7, 149-157. | 1.3 | 64 |
| 43 | Deciphering Physiological Functions of AHL Quorum Quenching Acylases. <i>Frontiers in Microbiology</i> , 2017, 8, 1123. | 1.5 | 64 |
| 44 | Rapid and efficient cancer cell killing mediated by high-affinity death receptor homotrimerizing TRAIL variants. <i>Cell Death and Disease</i> , 2010, 1, e83-e83. | 2.7 | 63 |
| 45 | Functional genomic analysis of the <i>Bacillus subtilis</i> Tat pathway for protein secretion. <i>Journal of Biotechnology</i> , 2002, 98, 243-254. | 1.9 | 62 |
| 46 | The C _{ss} RS two-component regulatory system controls a general secretion stress response in <i>Bacillus subtilis</i> . <i>FEBS Journal</i> , 2006, 273, 3816-3827. | 2.2 | 61 |
| 47 | A Novel Genetic Selection System for Improved Enantioselectivity of <i>Bacillus subtilis</i> Lipase A. <i>ChemBioChem</i> , 2008, 9, 1110-1115. | 1.3 | 60 |
| 48 | Altering the Substrate Specificity of Cephalosporin Acylase by Directed Evolution of the \hat{I}^2 -Subunit. <i>Journal of Biological Chemistry</i> , 2002, 277, 42121-42127. | 1.6 | 57 |
| 49 | Kinome profiling of non-canonical TRAIL signaling reveals RIP1-Src-STAT3 dependent invasion in resistant non-small cell lung cancer cells. <i>Journal of Cell Science</i> , 2012, 125, 4651-61. | 1.2 | 57 |
| 50 | Metabolic Engineering of <i>Bacillus subtilis</i> Toward Taxadiene Biosynthesis as the First Committed Step for Taxol Production. <i>Frontiers in Microbiology</i> , 2019, 10, 218. | 1.5 | 57 |
| 51 | DR4-selective Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) Variants Obtained by Structure-based Design. <i>Journal of Biological Chemistry</i> , 2008, 283, 20560-20568. | 1.6 | 56 |
| 52 | Development of a Lipase Fermentation Process That Uses a Recombinant <i>Pseudomonas alcaligenes</i> Strain. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2644-2651. | 1.4 | 55 |
| 53 | Signal peptide hydrophobicity is critical for early stages in protein export by <i>Bacillus subtilis</i> . <i>FEBS Journal</i> , 2005, 272, 4617-4630. | 2.2 | 55 |
| 54 | Decoy receptors block TRAIL sensitivity at a supracellular level: the role of stromal cells in controlling tumour TRAIL sensitivity. <i>Oncogene</i> , 2016, 35, 1261-1270. | 2.6 | 54 |

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| 55 | Two death-inducing human TRAIL receptors to target in cancer: Similar or distinct regulation and function?. <i>Biochemical Pharmacology</i> , 2014, 91, 447-456. | 2.0 | 53 |
| 56 | The human desmin and vimentin genes are located on different chromosomes. <i>Gene</i> , 1985, 38, 189-196. | 1.0 | 50 |
| 57 | Enhancing the Thermostability of Glucose Isomerase by Protein Engineering. <i>Nature Biotechnology</i> , 1991, 9, 738-742. | 9.4 | 49 |
| 58 | Choosing an Appropriate Infection Model to Study Quorum Sensing Inhibition in <i>Pseudomonas</i> Infections. <i>International Journal of Molecular Sciences</i> , 2013, 14, 19309-19340. | 1.8 | 49 |
| 59 | PvdQ Quorum Quenching Acylase Attenuates <i>Pseudomonas aeruginosa</i> Virulence in a Mouse Model of Pulmonary Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 119. | 1.8 | 49 |
| 60 | A Glimpse into the Biosynthesis of Terpenoids. <i>KnE Life Sciences</i> , 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. <i>Clinical Cancer Research</i> , 2009, 15, 2048-2057. | 3.2 | 48 |
| 62 | Proteomic dissection of potential signal recognition particle dependence in protein secretion by <i>Bacillus subtilis</i> . <i>Proteomics</i> , 2006, 6, 3636-3648. | 1.3 | 47 |
| 63 | Antifungal and biofilm inhibitory effect of <i>Cymbopogon citratus</i> (lemongrass) essential oil on biofilm forming by <i>Candida tropicalis</i> isolates; an in vitro study. <i>Journal of Ethnopharmacology</i> , 2020, 246, 112188. | 2.0 | 46 |
| 64 | Intermediate filament cDNAs from BHK-21 cells: demonstration of distinct genes for desmin and vimentin in all vertebrate classes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 5970-5974. | 3.3 | 44 |
| 65 | The phenotype enhancement method identifies the Xcp outer membrane secretion machinery from <i>Pseudomonas alcaligenes</i> as a bottleneck for lipase production. <i>Journal of Biotechnology</i> , 1998, 64, 23-38. | 1.9 | 44 |
| 66 | Directed evolution of a glutaryl acylase into an adipyl acylase. <i>FEBS Journal</i> , 2002, 269, 4495-4504. | 0.2 | 44 |
| 67 | Systematic Screening for Catalytic Promiscuity in Oxalocrotonate Tautomerase: Enamine Formation and Aldolase Activity. <i>ChemBioChem</i> , 2011, 12, 602-609. | 1.3 | 43 |
| 68 | Enhanced C30 carotenoid production in <i>Bacillus subtilis</i> by systematic overexpression of MEP pathway genes. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5907-5915. | 1.7 | 43 |
| 69 | Extracellular lipases from <i>Bacillus subtilis</i> : regulation of gene expression and enzyme activity by amino acid supply and external pH. <i>FEMS Microbiology Letters</i> , 2003, 225, 319-324. | 0.7 | 42 |
| 70 | High-Throughput Screening in Protein Engineering: Recent Advances and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24918-24945. | 1.8 | 42 |
| 71 | A Fast and Simple GC MS Method for Lignan Profiling in <i>Anthriscus sylvestris</i> and Biosynthetically Related Plant Species. <i>Planta Medica</i> , 2001, 67, 858-862. | 0.7 | 41 |
| 72 | The Molecular Cloning of Dihydroartemisinic Aldehyde Reductase and its Implication in Artemisinin Biosynthesis in <i>Artemisia annua</i> . <i>Planta Medica</i> , 2010, 76, 1778-1783. | 0.7 | 41 |

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|----|--|-----|-----------|
| 73 | Development of a dry, stable and inhalable acyl-homoserine lactone-acylase powder formulation for the treatment of pulmonary <i>Pseudomonas aeruginosa</i> infections. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 637-643. | 1.9 | 41 |
| 74 | PvdP Is a Tyrosinase That Drives Maturation of the Pyoverdine Chromophore in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2014, 196, 2681-2690. | 1.0 | 39 |
| 75 | Improving protein secretion by engineering components of the bacterial translocation machinery. <i>Current Opinion in Biotechnology</i> , 1999, 10, 376-381. | 3.3 | 38 |
| 76 | Functional Identification of the Product of the <i>Bacillus subtilis yvaL</i> Gene as a SecG Homologue. <i>Journal of Bacteriology</i> , 1999, 181, 1786-1792. | 1.0 | 37 |
| 77 | Bioconversion of deoxypodophyllotoxin into epipodophyllotoxin in <i>E. coli</i> using human cytochrome P450 3A4. <i>Journal of Biotechnology</i> , 2006, 126, 383-393. | 1.9 | 37 |
| 78 | Assessing <i>Pseudomonas</i> Virulence with Nonmammalian Host: <i>Galleria mellonella</i> . <i>Methods in Molecular Biology</i> , 2014, 1149, 681-688. | 0.4 | 37 |
| 79 | Loop Grafting of <i>Bacillus subtilis</i> Lipase A: Inversion of Enantioselectivity. <i>Chemistry and Biology</i> , 2008, 15, 782-789. | 6.2 | 35 |
| 80 | Nutlin-3 preferentially sensitises wild-type p53-expressing cancer cells to DR5-selective TRAIL over rhTRAIL. <i>British Journal of Cancer</i> , 2013, 109, 2685-2695. | 2.9 | 35 |
| 81 | Volatile components from <i>Anthriscus sylvestris</i> (L.) Hoffm.. <i>Journal of Chromatography A</i> , 2002, 966, 233-238. | 1.8 | 34 |
| 82 | Metabolic engineering of <i>Bacillus subtilis</i> for terpenoid production. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9395-9406. | 1.7 | 34 |
| 83 | Histone Deacetylase Inhibitors Sensitize TRAIL-Induced Apoptosis in Colon Cancer Cells. <i>Cancers</i> , 2019, 11, 645. | 1.7 | 33 |
| 84 | <i>Deinococcus radiodurans</i> can interfere with quorum sensing by producing an AHL-acylase and an AHL-lactonase. <i>FEMS Microbiology Letters</i> , 2014, 356, 62-70. | 0.7 | 31 |
| 85 | Paralogous gene analysis reveals a highly enantioselective 1,2-O-isopropylidenglycerol caprylate esterase of <i>Bacillus subtilis</i> . <i>FEBS Journal</i> , 2001, 268, 3332-3338. | 0.2 | 30 |
| 86 | Stabilization of TRAIL, an all- α -sheet multimeric protein, using computational redesign. <i>Protein Engineering, Design and Selection</i> , 2004, 17, 673-680. | 1.0 | 30 |
| 87 | Lignan profile of <i>Piper cubeba</i> , an Indonesian medicinal plant. <i>Biochemical Systematics and Ecology</i> , 2007, 35, 397-402. | 0.6 | 30 |
| 88 | Discovery of an <i>Escherichia coli</i> Esterase with High Activity and Enantioselectivity toward 1,2-O-isopropylidenglycerol Esters. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6094-6099. | 1.4 | 30 |
| 89 | Phage display selects for amylases with improved low pH starch-binding. <i>Journal of Biotechnology</i> , 2002, 96, 103-118. | 1.9 | 29 |
| 90 | Enhancement of Antitumor Properties of rhTRAIL by Affinity Increase toward Its Death Receptors. <i>Biochemistry</i> , 2009, 48, 2180-2191. | 1.2 | 29 |

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|-----|---|-----|-----------|
| 91 | Production of $\hat{\pm}$ -cuprenene in <i>Xanthophyllomyces dendrorhous</i> : a step closer to a potent terpene biofactory. <i>Microbial Cell Factories</i> , 2013, 12, 13. | 1.9 | 29 |
| 92 | Lignans from Cell Suspension Cultures of <i>Phyllanthus niruri</i> , an Indonesian Medicinal Plant. <i>Journal of Natural Products</i> , 2006, 69, 55-58. | 1.5 | 28 |
| 93 | A Disulfide Bond-Containing Alkaline Phosphatase Triggers a BdbC-Dependent Secretion Stress Response in <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 6876-6885. | 1.4 | 28 |
| 94 | Genetic or chemical protease inhibition causes significant changes in the <i>Bacillus subtilis</i> exoproteome. <i>Proteomics</i> , 2008, 8, 2704-2713. | 1.3 | 28 |
| 95 | <i>Caenorhabditis elegans</i> reveals novel <i>Pseudomonas aeruginosa</i> virulence mechanism. <i>Trends in Microbiology</i> , 2013, 21, 315-316. | 3.5 | 28 |
| 96 | DR4 specific TRAIL variants are more efficacious than wild-type TRAIL in pancreatic cancer. <i>Cancer Biology and Therapy</i> , 2014, 15, 1658-1666. | 1.5 | 28 |
| 97 | Catalysis of amorpha-4,11-diene synthase unraveled and improved by mutability landscape guided engineering. <i>Scientific Reports</i> , 2018, 8, 9961. | 1.6 | 28 |
| 98 | Thermostable glucose isomerases. <i>Trends in Food Science and Technology</i> , 1993, 4, 31-34. | 7.8 | 27 |
| 99 | Immobilization of chiral enzyme inhibitors on solid supports by amide-forming coupling and olefin metathesis. <i>Tetrahedron</i> , 2002, 58, 8465-8473. | 1.0 | 26 |
| 100 | The <i>Bacillus</i> secretion stress response is an indicator for alpha-amylase production levels. <i>Letters in Applied Microbiology</i> , 2004, 39, 65-73. | 1.0 | 26 |
| 101 | Processing and functional display of the 86 kDa heterodimeric penicillin G acylase on the surface of phage fd. <i>Biochemical Journal</i> , 1999, 342, 415-422. | 1.7 | 25 |
| 102 | Kinetics in Signal Transduction Pathways Involving Promiscuous Oligomerizing Receptors Can Be Determined by Receptor Specificity: Apoptosis Induction by TRAIL. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.013730. | 2.5 | 25 |
| 103 | Penicillin V acylases from gram-negative bacteria degrade N-acylhomoserine lactones and attenuate virulence in <i>Pseudomonas aeruginosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2383-2395. | 1.7 | 25 |
| 104 | Merits of secretion of heterologous proteins from industrial microorganisms. <i>Folia Microbiologica</i> , 1997, 42, 99-103. | 1.1 | 24 |
| 105 | A Phytochemical Study of Lignans in Whole Plants and Cell Suspension Cultures of <i>Anthriscus sylvestris</i> . <i>Planta Medica</i> , 2003, 69, 733-738. | 0.7 | 24 |
| 106 | FlhF, the Third Signal Recognition Particle-GTPase of <i>Bacillus subtilis</i> , Is Dispensable for Protein Secretion. <i>Journal of Bacteriology</i> , 2004, 186, 5956-5960. | 1.0 | 24 |
| 107 | Composition of the essential oils of <i>Kaempferia rotunda</i> L. and <i>Kaempferia angustifolia</i> Roscoe rhizomes from Indonesia. <i>Flavour and Fragrance Journal</i> , 2004, 19, 145-148. | 1.2 | 24 |
| 108 | Alteration of the Diastereoselectivity of 3-Methylaspartate Ammonia Lyase by Using Structure-Based Mutagenesis. <i>ChemBioChem</i> , 2009, 10, 2236-2245. | 1.3 | 24 |

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| 109 | Unraveling the Binding Mechanism of Trivalent Tumor Necrosis Factor Ligands and Their Receptors. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.002808. | 2.5 | 24 |
| 110 | Enhancement of the Promiscuous Aldolase and Dehydration Activities of 4-oxalocrotonate Tautomerase by Protein Engineering. <i>ChemBioChem</i> , 2012, 13, 1274-1277. | 1.3 | 24 |
| 111 | Production of Squalene in <i>Bacillus subtilis</i> by Squalene Synthase Screening and Metabolic Engineering. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4447-4455. | 2.4 | 24 |
| 112 | Betacyanins, major components in <i>Opuntia</i> red-purple fruits, protect against acetaminophen-induced acute liver failure. <i>Food Research International</i> , 2020, 137, 109461. | 2.9 | 24 |
| 113 | Evaluation of Different Glutaryl Acylase Mutants to Improve the Hydrolysis of Cephalosporin C in the Absence of Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 343-348. | 2.1 | 23 |
| 114 | Lipase Expression in <i>Pseudomonas alcaligenes</i> Is Under the Control of a Two-Component Regulatory System. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1402-1411. | 1.4 | 23 |
| 115 | Enhancement of the enantioselectivity of carboxylesterase A by structure-based mutagenesis. <i>Journal of Biotechnology</i> , 2012, 158, 36-43. | 1.9 | 23 |
| 116 | Death receptor 5 is activated by fucosylation in colon cancer cells. <i>FEBS Journal</i> , 2019, 286, 555-571. | 2.2 | 23 |
| 117 | Current State and Future Directions of Genetics and Genomics of Endophytic Fungi for Bioprospecting Efforts. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 649906. | 2.0 | 23 |
| 118 | Binding of phage displayed <i>Bacillus subtilis</i> lipase A to a phosphonate suicide inhibitor. <i>Journal of Biotechnology</i> , 2003, 101, 19-28. | 1.9 | 22 |
| 119 | Analysis of a substrate specificity switch residue of cephalosporin acylase. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 755-760. | 1.0 | 22 |
| 120 | Essential Oil Constituents of <i>Piper cubeba</i> L. fil. from Indonesia. <i>Journal of Essential Oil Research</i> , 2007, 19, 14-17. | 1.3 | 22 |
| 121 | Modulation of Thiol-Disulfide Oxidoreductases for Increased Production of Disulfide-Bond-Containing Proteins in <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 7536-7545. | 1.4 | 22 |
| 122 | Antibody-Free LC-MS/MS Quantification of rhTRAIL in Human and Mouse Serum. <i>Analytical Chemistry</i> , 2013, 85, 10754-10760. | 3.2 | 22 |
| 123 | Proteolysis Targeting Chimera (PROTAC) for Macrophage Migration Inhibitory Factor (MIF) Has Anti-Proliferative Activity in Lung Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17514-17521. | 7.2 | 22 |
| 124 | The Bioconversion Process of Deoxypodophyllotoxin with <i>Linum flavum</i> Cell Cultures. <i>Planta Medica</i> , 2003, 69, 739-744. | 0.7 | 21 |
| 125 | Metabolic stereoselectivity of cytochrome P450 3A4 towards deoxypodophyllotoxin: In silico predictions and experimental validation. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1171-1179. | 2.6 | 21 |
| 126 | Enantioselective Synthesis of α -Substituted Aspartic Acids Using an Engineered Variant of Methylaspartate Ammonia Lyase. <i>ChemCatChem</i> , 2013, 5, 1325-1327. | 1.8 | 21 |

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| 127 | A novel histone acetyltransferase inhibitor A485 improves sensitivity of non-small-cell lung carcinoma cells to TRAIL. <i>Biochemical Pharmacology</i> , 2020, 175, 113914. | 2.0 | 21 |
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