# Ping Xu

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 336 papers | 9,678 citations | 54 h-index | 78 g-index |
| 360 ext. papers | 11,266 ext. citations | 6.5 avg, IF | 6.33 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 336 | Enabling QTY Server for Designing Water-Soluble α-Helical Transmembrane Proteins.. *MBio*, **2022**, e0360421 | 7.5 | 0 |
| 335 | Reliable detection of Listeria monocytogenes by a portable paper-based multi-biocatalyst platform integrating three biomarkers: Gene hly, acetoin, and listeriolysin O protein. *Journal of Electroanalytical Chemistry*, **2022**, 905, 115975 | 4.1 | 1 |
| 334 | Rapid production of l-DOPA by Vibrio natriegens, an emerging next-generation whole-cell catalysis chassis.. *Microbial Biotechnology*, **2022**, | 6.3 | 1 |
| 333 | Enhanced l-Serine Production from Glycerol by Integration with Thermodynamically Favorable d-Glycerate Oxidation. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 2587-2592 | 8.3 | 1 |
| 332 | Flow Electrochemistry Enables Microbial Atmospheric CO2 Fixation via Coupling with Iodine-Mediated Organic Reactions. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 541-551 | 8.3 | 1 |
| 331 | A d,l-lactate biosensor based on allosteric transcription factor LldR and amplified luminescent proximity homogeneous assay. *Biosensors and Bioelectronics*, **2022**, 211, 114378 | 11.8 | 1 |
| 330 | Insights from comparative proteomic analysis into degradation of phenanthrene and salt tolerance by the halophilic Martelella strain AD-3. *Ecotoxicology*, **2021**, 30, 1499-1510 | 2.9 | 2 |
| 329 | A D-2-hydroxyglutarate biosensor based on specific transcriptional regulator DhdR. *Nature Communications*, **2021**, 12, 7108 | 17.4 | 1 |
| 328 | VgrG-dependent effectors and chaperones modulate the assembly of the type VI secretion system. *PLoS Pathogens*, **2021**, 17, e1010116 | 7.6 | 4 |
| 327 | Soil bioremediation by Pseudomonas brassicacearum MPDS and its enzyme involved in degrading PAHs.. *Science of the Total Environment*, **2021**, 813, 152522 | 10.2 | 1 |
| 326 | A cold shock protein promotes high-temperature microbial growth through binding to diverse RNA species. *Cell Discovery*, **2021**, 7, 15 | 22.3 | 4 |
| 325 | Characterization of Lysozyme-Like Effector TseP Reveals the Dependence of Type VI Secretion System (T6SS) Secretion on Effectors in Aeromonas dhakensis Strain SSU. *Applied and Environmental Microbiology*, **2021**, 87, e0043521 | 4.8 | 4 |
| 324 | 2,3-Butanediol synthesis from glucose supplies NADH for elimination of toxic acetate produced during overflow metabolism. *Cell Discovery*, **2021**, 7, 43 | 22.3 | 2 |
| 323 | An L-2-hydroxyglutarate biosensor based on specific transcriptional regulator LhgR. *Nature Communications*, **2021**, 12, 3619 | 17.4 | 5 |
| 322 | Genetic mapping of highly versatile and solvent-tolerant Pseudomonas putida B6-2 (ATCC BAA-2545) as a ‘superstar’ for mineralization of PAHs and dioxin-like compounds. *Environmental Microbiology*, **2021**, 23, 4309-4325 | 5.2 | 4 |
| 321 | Matcha Green Tea Alleviates Non-Alcoholic Fatty Liver Disease in High-Fat Diet-Induced Obese Mice by Regulating Lipid Metabolism and Inflammatory Responses. *Nutrients*, **2021**, 13, | 6.7 | 6 |
| 320 | Coculture of Gluconobacter oxydans and Escherichia coli for 3,4-Dihydroxybutyric Acid Production from Xylose. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 10809-10817 | 8.3 | 2 |

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| 319 | A Pseudomonas sp. strain uniquely degrades PAHs and heterocyclic derivatives via lateral dioxygenation pathways. *Journal of Hazardous Materials*, **2021**, 403, 123956 | 12.8 | 14 |
| 318 | Unique regulator SrpR mediates crosstalk between efflux pumps TtgABC and SrpABC in Pseudomonas putida B6-2 (DSM 28064). *Molecular Microbiology*, **2021**, 115, 131-141 | 4.1 | 4 |
| 317 | Nanoporous gold: A review and potentials in biotechnological and biomedical applications. *Nano Select*, **2021**, 2, 1437-1458 | 3.1 | 3 |
| 316 | Aggregated structures and their functionalities in hydrogels. *Aggregate*, **2021**, 2, e33 | 22.9 | 15 |
| 315 | Structure-guided insights into heterocyclic ring-cleavage catalysis of the non-heme Fe (II) dioxygenase NicX. *Nature Communications*, **2021**, 12, 1301 | 17.4 | 2 |
| 314 | Molecular mechanisms and biochemical analysis of fluorene degradation by the sp. SMT-1 strain. *3 Biotech*, **2021**, 11, 416 | 2.8 | 0 |
| 313 | Dehydrogenation Mechanism of Three Stereoisomers of Butane-2,3-Diol in KT2440. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 728767 | 5.8 | 0 |
| 312 | Hexabromocyclododecanes Are Dehalogenated by CYP168A1 from Strain HS9. *Applied and Environmental Microbiology*, **2021**, 87, e0082621 | 4.8 | 5 |
| 311 | Microbial degradation of multiple PAHs by a microbial consortium and its application on contaminated wastewater. *Journal of Hazardous Materials*, **2021**, 419, 126524 | 12.8 | 8 |
| 310 | A thermophile Hydrogenibacillus sp. strain efficiently degrades environmental pollutants polycyclic aromatic hydrocarbons.. *Environmental Microbiology*, **2021**, | 5.2 | 1 |
| 309 | Pyruvate Production from Whey Powder by Metabolic Engineered. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 15275-15283 | 5.7 | 2 |
| 308 | Lamellar Bilayer to Fibril Structure Transformation of Tough Photonic Hydrogel under Elongation. *Macromolecules*, **2020**, 53, 4711-4721 | 5.5 | 4 |
| 307 | Metabolic Engineering of for Production of Acetoin. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 125 | 5.8 | 11 |
| 306 | Mesoscale bicontinuous networks in self-healing hydrogels delay fatigue fracture. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 7606-7612 | 11.5 | 48 |
| 305 | Phase Separation Behavior in Tough and Self-Healing Polyampholyte Hydrogels. *Macromolecules*, **2020**, 53, 5116-5126 | 5.5 | 25 |
| 304 | Next-Generation Microbial Workhorses: Comparative Genomic Analysis of Fast-Growing Vibrio Strains Reveals Their Biotechnological Potential. *Biotechnology Journal*, **2020**, 15, e1900499 | 5.6 | 5 |
| 303 | Maximization of the petroleum biodegradation using a synthetic bacterial consortium based on minimal value algorithm. *International Biodeterioration and Biodegradation*, **2020**, 150, 104964 | 4.8 | 2 |
| 302 | Microbial Production of Hydrogen by Mixed Culture Technologies: A Review. *Biotechnology Journal*, **2020**, 15, e1900297 | 5.6 | 10 |

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| 301 | Pollution and biodegradation of hexabromocyclododecanes: A review. *Frontiers of Environmental Science and Engineering*, **2020**, 14, 1 | 5.8 | 12 |
| 300 | Phenol biodegradation by Acinetobacter radioresistens APH1 and its application in soil bioremediation. *Applied Microbiology and Biotechnology*, **2020**, 104, 427-437 | 5.7 | 20 |
| 299 | Microbial colonization of different microplastic types and biotransformation of sorbed PCBs by a marine anaerobic bacterial community. *Science of the Total Environment*, **2020**, 705, 135790 | 10.2 | 37 |
| 298 | Stress Relaxation and Underlying Structure Evolution in Tough and Self-Healing Hydrogels. *ACS Macro Letters*, **2020**, 9, 1582-1589 | 6.6 | 15 |
| 297 | Kinetic characteristics of long-term repeated fed-batch (LtRFb) l-lactic acid fermentation by a strain. *Engineering in Life Sciences*, **2020**, 20, 562-570 | 3.4 | 4 |
| 296 | Structural Insights into 6-Hydroxypseudooxynicotine Amine Oxidase from N1, the Key Enzyme Involved in Nicotine Degradation. *Applied and Environmental Microbiology*, **2020**, 86, | 4.8 | 2 |
| 295 | Hydrogels as dynamic memory with forgetting ability. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 18962-18968 | 11.5 | 37 |
| 294 | Efficient 2,3-butanediol production from whey powder using metabolically engineered Klebsiella oxytoca. *Microbial Cell Factories*, **2020**, 19, 162 | 6.4 | 9 |
| 293 | Molecular Deceleration Regulates Toxicant Release to Prevent Cell Damage in Pseudomonas putida S16 (DSM 28022). *MBio*, **2020**, 11, | 7.8 | 4 |
| 292 | Biological insights into non-model microbial hosts through stable-isotope metabolic flux analysis. *Current Opinion in Biotechnology*, **2020**, 64, 32-38 | 11.4 | 2 |
| 291 | Intramolecular chaperone-mediated secretion of an Rhs effector toxin by a type VI secretion system. *Nature Communications*, **2020**, 11, 1865 | 17.4 | 20 |
| 290 | Enhancing Bioremediation Potential of by Developing Its Acid Stress Tolerance With Glutamate Decarboxylase Dependent System and Global Regulator of Extreme Radiation Resistance. *Frontiers in Microbiology*, **2019**, 10, 2033 | 5.7 | 14 |
| 289 | Regulation of Glutarate Catabolism by GntR Family Regulator CsiR and LysR Family Regulator GcdR in Pseudomonas putida KT2440. *MBio*, **2019**, 10, | 7.8 | 9 |
| 288 | Effect of Structure Heterogeneity on Mechanical Performance of Physical Polyampholytes Hydrogels. *Macromolecules*, **2019**, 52, 7369-7378 | 5.5 | 28 |
| 287 | A Pandas complex adapted for piRNA-guided transcriptional silencing and heterochromatin formation. *Nature Cell Biology*, **2019**, 21, 1261-1272 | 23.4 | 29 |
| 286 | Microbial degradation of nitrogen heterocycles. *International Biodeterioration and Biodegradation*, **2019**, 142, 170-171 | 4.8 | 1 |
| 285 | Cloning and characterization the nicotine degradation enzymes 6-hydroxypseudooxynicotine amine oxidase and 6-hydroxy-3-succinoylpyridine hydroxylase in Pseudomonas geniculata N1. *International Biodeterioration and Biodegradation*, **2019**, 142, 83-90 | 4.8 | 3 |
| 284 | Regulatory Mechanism of Nicotine Degradation in. *MBio*, **2019**, 10, | 7.8 | 13 |

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| 283 | Isolation, Characterization, and Genomic Analysis of sp. Strain SMT-1, an Efficient Fluorene-Degrading Bacterium. *Evolutionary Bioinformatics*, **2019**, 15, 1176934319843518 | 1.9 | 5 |
| 282 | Power generation and microbial community analysis in microbial fuel cells: A promising system to treat organic acid fermentation wastewater. *Bioresource Technology*, **2019**, 284, 72-79 | 11 | 45 |
| 281 | Metabolite-based mutualism enhances hydrogen production in a two-species microbial consortium. *Communications Biology*, **2019**, 2, 82 | 6.7 | 10 |
| 280 | Characterization of a Dibenzofuran-degrading strain of Pseudomonas aeruginosa, FA-HZ1. *Environmental Pollution*, **2019**, 250, 262-273 | 9.3 | 12 |
| 279 | Molecular Mechanism of ,-Dimethylformamide Degradation in sp. Strain DM1. *Applied and Environmental Microbiology*, **2019**, 85, | 4.8 | 21 |
| 278 | l-Lactic acid production by Bacillus coagulans through simultaneous saccharification and fermentation of lignocellulosic corncob residue. *Bioresource Technology Reports*, **2019**, 6, 131-137 | 4.1 | 22 |
| 277 | Steps Toward High-Performance PLA: Economical Production of d-Lactate Enabled by a Newly Isolated Sporolactobacillus terrae Strain. *Biotechnology Journal*, **2019**, 14, e1800656 | 5.6 | 9 |
| 276 | The HBCDs biodegradation using a Pseudomonas strain and its application in soil phytoremediation. *Journal of Hazardous Materials*, **2019**, 380, 120833 | 12.8 | 20 |
| 275 | Characterization of environmentally friendly degradation of hexabromocyclododecane by a Bacillus strain HBCD-sjtu. *International Biodeterioration and Biodegradation*, **2019**, 145, 104794 | 4.8 | 7 |
| 274 | An onboard checking mechanism ensures effector delivery of the type VI secretion system in. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 23292-23298 | 11.5 | 25 |
| 273 | High ectoine production by an engineered Halomonas hydrothermalis Y2 in a reduced salinity medium. *Microbial Cell Factories*, **2019**, 18, 184 | 6.4 | 10 |
| 272 | Potassium resistance of halotolerant and alkaliphilic Halomonas sp. Y2 by a Na-induced K extrusion mechanism. *Microbiology (United Kingdom)*, **2019**, 165, 411-418 | 2.9 | 1 |
| 271 | Production of d-Xylonate from Corn Cob Hydrolysate by a Metabolically Engineered Escherichia coli Strain. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2160-2168 | 8.3 | 14 |
| 270 | Bacterial electroactivity and viability depends on the carbon nanotube-coated sponge anode used in a microbial fuel cell. *Bioelectrochemistry*, **2018**, 122, 26-31 | 5.6 | 9 |
| 269 | An engineered Pseudomonas putida can simultaneously degrade organophosphates, pyrethroids and carbamates. *Science of the Total Environment*, **2018**, 628-629, 1258-1265 | 10.2 | 48 |
| 268 | Titelbild: Temperature-Directed Biocatalysis for the Sustainable Production of Aromatic Aldehydes or Alcohols (Angew. Chem. 5/2018). *Angewandte Chemie*, **2018**, 130, 1133-1133 | 3.6 | |
| 267 | Temperature-Directed Biocatalysis for the Sustainable Production of Aromatic Aldehydes or Alcohols. *Angewandte Chemie - International Edition*, **2018**, 57, 1214-1217 | 16.4 | 26 |
| 266 | Temperature-Directed Biocatalysis for the Sustainable Production of Aromatic Aldehydes or Alcohols. *Angewandte Chemie*, **2018**, 130, 1228-1231 | 3.6 | 3 |

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| 265 | The plasticity of indigenous microbial community in a full-scale heavy oil-produced water treatment plant. *Journal of Hazardous Materials*, **2018**, 358, 155-164 | 12.8 | 10 |
| 264 | 2,3-Butanediol catabolism in Pseudomonas aeruginosa PAO1. *Environmental Microbiology*, **2018**, 20, 3927-3940 | 5.2 | 11 |
| 263 | Purification and Initial Characterization of 3-Hydroxybenzoate 6-Hydroxylase From a Halophilic Strain AD-3. *Frontiers in Microbiology*, **2018**, 9, 1335 | 5.7 | 4 |
| 262 | Two NAD-independent l-lactate dehydrogenases drive l-lactate utilization in Pseudomonas aeruginosa PAO1. *Environmental Microbiology Reports*, **2018**, 10, 569-575 | 3.7 | 2 |
| 261 | Critical Functions of Region 1-67 and Helix XIII in Retaining the Active Structure of NhaD Antiporter in sp. Y2. *Frontiers in Microbiology*, **2018**, 9, 831 | 5.7 | 4 |
| 260 | Engineering Cyanobacteria for Photosynthetic Production of C3 Platform Chemicals and Terpenoids from CO. *Advances in Experimental Medicine and Biology*, **2018**, 1080, 239-259 | 3.6 | 4 |
| 259 | Innenrücktitelbild: Remodeling of the Photosynthetic Chain Promotes Direct CO2 Conversion into Valuable Aromatic Compounds (Angew. Chem. 49/2018). *Angewandte Chemie*, **2018**, 130, 16469-16469 | 3.6 | 1 |
| 258 | 2-Hydroxy-4-(3?-oxo-3?H-benzofuran-2?-yliden)but-2-enoic acid biosynthesis from dibenzofuran using lateral dioxygenation in a Pseudomonas putida strain B6-2 (DSM 28064). *Bioresources and Bioprocessing*, **2018**, 5, | 5.2 | 2 |
| 257 | Enhancing Light-Driven 1,3-Propanediol Production by Using Natural Compartmentalization of Differentiated Cells. *ACS Synthetic Biology*, **2018**, 7, 2436-2446 | 5.7 | 8 |
| 256 | Remodeling of the Photosynthetic Chain Promotes Direct CO2 Conversion into Valuable Aromatic Compounds. *Angewandte Chemie*, **2018**, 130, 16222-16226 | 3.6 | 2 |
| 255 | Remodeling of the Photosynthetic Chain Promotes Direct CO Conversion into Valuable Aromatic Compounds. *Angewandte Chemie - International Edition*, **2018**, 57, 15990-15994 | 16.4 | 9 |
| 254 | Engineering of glycerol utilization in Gluconobacter oxydans 621H for biocatalyst preparation in a low-cost way. *Microbial Cell Factories*, **2018**, 17, 158 | 6.4 | 7 |
| 253 | Production of value-added chemicals from glycerol using in vitro enzymatic cascades. *Communications Chemistry*, **2018**, 1, | 6.3 | 27 |
| 252 | A Coenzyme-Free Biocatalyst for the Value-Added Utilization of Lignin-Derived Aromatics. *Journal of the American Chemical Society*, **2018**, 140, 16001-16005 | 16.4 | 32 |
| 251 | Multiscale Energy Dissipation Mechanism in Tough and Self-Healing Hydrogels. *Physical Review Letters*, **2018**, 121, 185501 | 7.4 | 63 |
| 250 | Genome sequence of Halomonas hydrothermalis Y2, an efficient ectoine-producer isolated from pulp mill wastewater. *Journal of Biotechnology*, **2018**, 285, 38-41 | 3.7 | 5 |
| 249 | d-2-Hydroxyglutarate dehydrogenase plays a dual role in l-serine biosynthesis and d-malate utilization in the bacterium. *Journal of Biological Chemistry*, **2018**, 293, 15513-15523 | 5.4 | 5 |
| 248 | Increased glutarate production by blocking the glutaryl-CoA dehydrogenation pathway and a catabolic pathway involving L-2-hydroxyglutarate. *Nature Communications*, **2018**, 9, 2114 | 17.4 | 34 |

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| 247 | Complete genome sequence of sp. HBCD-sjtu, an efficient HBCD-degrading bacterium. *3 Biotech*, **2018**, 8, 291 | 2.8 | 10 |
| 246 | Complete Genome Sequence of FA-HZ1, an Efficient Dibenzofuran-Degrading Bacterium. *Genome Announcements*, **2017**, 5, | | 2 |
| 245 | 1,3-Propanediol production by a newly isolated strain, Clostridium perfringens GYL. *Bioresource Technology*, **2017**, 233, 406-412 | 11 | 20 |
| 244 | Nanoporous gold-based microbial biosensor for direct determination of sulfide. *Biosensors and Bioelectronics*, **2017**, 98, 29-35 | 11.8 | 30 |
| 243 | Effect of Fe3O4 nanoparticles on Sphingobium yanoikuyae XLDN2-5 cells in carbazole biodegradation. *Nanotechnology for Environmental Engineering*, **2017**, 2, 1 | 5.1 | 4 |
| 242 | Functional Interaction between the N and C Termini of NhaD Antiporters from Halomonas sp. Strain Y2. *Journal of Bacteriology*, **2017**, 199, | 3.5 | 4 |
| 241 | Coordination of metabolic pathways: Enhanced carbon conservation in 1,3-propanediol production by coupling with optically pure lactate biosynthesis. *Metabolic Engineering*, **2017**, 41, 102-114 | 9.7 | 37 |
| 240 | Enzymatic Cascades for Efficient Biotransformation of Racemic Lactate Derived from Corn Steep Water. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3456-3464 | 8.3 | 15 |
| 239 | Unveiling the biotransformation mechanism of indole in a Cupriavidus sp. strain. *Molecular Microbiology*, **2017**, 106, 905-918 | 4.1 | 26 |
| 238 | Multiple Roles for Two Efflux Pumps in the Polycyclic Aromatic Hydrocarbon-Degrading Pseudomonas putida Strain B6-2 (DSM 28064). *Applied and Environmental Microbiology*, **2017**, 83, | 4.8 | 16 |
| 237 | Simultaneous hydrolysis of carbaryl and chlorpyrifos by Stenotrophomonas sp. strain YC-1 with surface-displayed carbaryl hydrolase. *Scientific Reports*, **2017**, 7, 13391 | 4.9 | 5 |
| 236 | Coupling between d-3-phosphoglycerate dehydrogenase and d-2-hydroxyglutarate dehydrogenase drives bacterial l-serine synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7574-E7582 | 11.5 | 26 |
| 235 | Tough, self-recovery and self-healing polyampholyte hydrogels. *Polymer Science - Series C*, **2017**, 59, 11-17 | 7.1 | 8 |
| 234 | A Bacterial Multidomain NAD-Independent d-Lactate Dehydrogenase Utilizes Flavin Adenine Dinucleotide and Fe-S Clusters as Cofactors and Quinone as an Electron Acceptor for d-Lactate Oxidization. *Journal of Bacteriology*, **2017**, 199, | 3.5 | 5 |
| 233 | Directing enzyme devolution for biosynthesis of alkanols and 1,n-alkanediols from natural polyhydroxy compounds. *Metabolic Engineering*, **2017**, 44, 70-80 | 9.7 | 8 |
| 232 | Combinatorial metabolic engineering of Pseudomonas putida KT2440 for efficient mineralization of 1,2,3-trichloropropane. *Scientific Reports*, **2017**, 7, 7064 | 4.9 | 27 |
| 231 | Switch of metabolic status: redirecting metabolic flux for acetoin production from glycerol by activating a silent glycerol catabolism pathway. *Metabolic Engineering*, **2017**, 39, 90-101 | 9.7 | 20 |
| 230 | Structural basis for the transcriptional repressor NicR2 in nicotine degradation from Pseudomonas. *Molecular Microbiology*, **2017**, 103, 165-180 | 4.1 | 2 |

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| 229 | Efficient secretory expression of recombinant proteins in Escherichia coli with a novel actinomycete signal peptide. *Protein Expression and Purification*, **2017**, 129, 69-74 | 2 | 10 |
| 228 | Functional and cooperative stabilization of a two-metal (Ca, Zn) center in α-amylase derived from Flavobacteriaceae species. *Scientific Reports*, **2017**, 7, 17933 | 4.9 | 7 |
| 227 | Alkaline Response of a Halotolerant Alkaliphilic Halomonas Strain and Functional Diversity of Its Na+(K+)/H+ Antiporters. *Journal of Biological Chemistry*, **2016**, 291, 26056-26065 | 5.4 | 28 |
| 226 | Enzymatic Resolution by a d-Lactate Oxidase Catalyzed Reaction for (S)-2-Hydroxycarboxylic Acids. *ChemCatChem*, **2016**, 8, 2630-2633 | 5.2 | 10 |
| 225 | Overexpression of transport proteins improves the production of 5-aminovalerate from l-lysine in Escherichia coli. *Scientific Reports*, **2016**, 6, 30884 | 4.9 | 18 |
| 224 | Amperometric inhibitive biosensor based on horseradish peroxidase-nanoporous gold for sulfide determination. *Scientific Reports*, **2016**, 6, 30905 | 4.9 | 12 |
| 223 | Expression and functional analysis of two NhaD type antiporters from the halotolerant and alkaliphilic Halomonas sp. Y2. *Extremophiles*, **2016**, 20, 631-9 | 3 | 9 |
| 222 | Selective determination of phenols and aromatic amines based on horseradish peroxidase-nanoporous gold co-catalytic strategy. *Biosensors and Bioelectronics*, **2016**, 79, 843-9 | 11.8 | 48 |
| 221 | Complete genome of Martelella sp. AD-3, a moderately halophilic polycyclic aromatic hydrocarbons-degrading bacterium. *Journal of Biotechnology*, **2016**, 225, 29-30 | 3.7 | 5 |
| 220 | Biotechnological production of acetoin, a bio-based platform chemical, from a lignocellulosic resource by metabolically engineered Enterobacter cloacae. *Green Chemistry*, **2016**, 18, 1560-1570 | 10 | 39 |
| 219 | Coexistence of two d-lactate-utilizing systems in Pseudomonas putida KT2440. *Environmental Microbiology Reports*, **2016**, 8, 699-707 | 3.7 | 6 |
| 218 | Carbon Flux Trapping: Highly Efficient Production of Polymer-Grade d-Lactic Acid with a Thermophilic d-Lactate Dehydrogenase. *ChemBioChem*, **2016**, 17, 1491-4 | 3.8 | 10 |
| 217 | Efficient production of propionic acid through high density culture with recycling cells of Propionibacterium acidipropionici. *Bioresource Technology*, **2016**, 216, 856-61 | 11 | 18 |
| 216 | Co-utilization of glycerol and lignocellulosic hydrolysates enhances anaerobic 1,3-propanediol production by Clostridium diolis. *Scientific Reports*, **2016**, 6, 19044 | 4.9 | 40 |
| 215 | Contracted but effective: production of enantiopure 2,3-butanediol by thermophilic and GRAS Bacillus licheniformis. *Green Chemistry*, **2016**, 18, 4693-4703 | 10 | 45 |
| 214 | A photoautotrophic platform for the sustainable production of valuable plant natural products from CO2. *Green Chemistry*, **2016**, 18, 3537-3548 | 10 | 15 |
| 213 | Stretching-induced ion complexation in physical polyampholyte hydrogels. *Soft Matter*, **2016**, 12, 8833-8840 | 3.4 | 34 |
| 212 | Complete Genome Sequence of Sphingomonas sp. Strain NIC1, an Efficient Nicotine-Degrading Bacterium. *Genome Announcements*, **2016**, 4, | | 2 |

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| 211 | NAD-Independent L-Lactate Dehydrogenase Required for L-Lactate Utilization in Pseudomonas stutzeri A1501. *Journal of Bacteriology*, **2015**, 197, 2239-2247 | 3.5 | 17 |
| 210 | Mechanisms of acid tolerance in bacteria and prospects in biotechnology and bioremediation. *Biotechnology Advances*, **2015**, 33, 1484-92 | 17.8 | 96 |
| 209 | Engineering Pseudomonas putida KT2440 for simultaneous degradation of organophosphates and pyrethroids and its application in bioremediation of soil. *Biodegradation*, **2015**, 26, 223-33 | 4.1 | 41 |
| 208 | Chemical analysis of the Chinese liquor Luzhoulaojiao by comprehensive two-dimensional gas chromatography/time-of-flight mass spectrometry. *Scientific Reports*, **2015**, 5, 9553 | 4.9 | 46 |
| 207 | Production of C3 platform chemicals from CO2 by genetically engineered cyanobacteria. *Green Chemistry*, **2015**, 17, 3100-3110 | 10 | 31 |
| 206 | Utilization of D-Lactate as an Energy Source Supports the Growth of Gluconobacter oxydans. *Applied and Environmental Microbiology*, **2015**, 81, 4098-110 | 4.8 | 16 |
| 205 | Molybdenum-containing nicotine hydroxylase genes in a nicotine degradation pathway that is a variant of the pyridine and pyrrolidine pathways. *Applied and Environmental Microbiology*, **2015**, 81, 8330-8 | 4.8 | 28 |
| 204 | Production of diacetyl by metabolically engineered Enterobacter cloacae. *Scientific Reports*, **2015**, 5, 9033 | 4.9 | 21 |
| 203 | Complete genome sequence of Mycobacterium goodii X7B, a facultative thermophilic biodesulfurizing bacterium with industrial potential. *Journal of Biotechnology*, **2015**, 212, 56-7 | 3.7 | 12 |
| 202 | Molecular mechanism of nicotine degradation by a newly isolated strain, Ochrobactrum sp. strain SJY1. *Applied and Environmental Microbiology*, **2015**, 81, 272-81 | 4.8 | 57 |
| 201 | Metabolic engineering of Enterobacter cloacae for high-yield production of enantiopure (2R,3R)-2,3-butanediol from lignocellulose-derived sugars. *Metabolic Engineering*, **2015**, 28, 19-27 | 9.7 | 96 |
| 200 | Biosensor based on glucose oxidase-nanoporous gold co-catalysis for glucose detection. *Biosensors and Bioelectronics*, **2015**, 66, 350-5 | 11.8 | 71 |
| 199 | An artificial enzymatic reaction cascade for a cell-free bio-system based on glycerol. *Green Chemistry*, **2015**, 17, 804-807 | 10 | 39 |
| 198 | Characterization of Pseudooxynicotine Amine Oxidase of Pseudomonas putida S16 that Is Crucial for Nicotine Degradation. *Scientific Reports*, **2015**, 5, 17770 | 4.9 | 15 |
| 197 | Sustainable production of valuable compound 3-succinoyl-pyridine by genetically engineering Pseudomonas putida using the tobacco waste. *Scientific Reports*, **2015**, 5, 16411 | 4.9 | 20 |
| 196 | Comparative genome analysis reveals the molecular basis of nicotine degradation and survival capacities of Arthrobacter. *Scientific Reports*, **2015**, 5, 8642 | 4.9 | 20 |
| 195 | Mimicking a natural pathway for de novo biosynthesis: natural vanillin production from accessible carbon sources. *Scientific Reports*, **2015**, 5, 13670 | 4.9 | 53 |
| 194 | Functional Identification of a Novel Gene, moaE, for 3-Succinoylpyridine Degradation in Pseudomonas putida S16. *Scientific Reports*, **2015**, 5, 13464 | 4.9 | 5 |

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| 193 | Identification and Characterization of a Novel Gentisate 1,2-Dioxygenase Gene from a Halophilic Martelella Strain. *Scientific Reports*, **2015**, 5, 14307 | 4.9 | 13 |
| 192 | A novel biocatalyst for efficient production of 2-oxo-carboxylates using glycerol as the cost-effective carbon source. *Biotechnology for Biofuels*, **2015**, 8, 186 | 7.8 | 10 |
| 191 | Metabolic engineering of Escherichia coli for production of (2S,3S)-butane-2,3-diol from glucose. *Biotechnology for Biofuels*, **2015**, 8, 143 | 7.8 | 25 |
| 190 | Comparative transcriptome analysis reveals different molecular mechanisms of Bacillus coagulans 2-6 response to sodium lactate and calcium lactate during lactic acid production. *PLoS ONE*, **2015**, 10, e0124316 | 3.7 | 14 |
| 189 | Enhancing the light-driven production of D-lactate by engineering cyanobacterium using a combinational strategy. *Scientific Reports*, **2015**, 5, 9777 | 4.9 | 38 |
| 188 | Enzymatic production of 5-aminovalerate from L-lysine using L-lysine monooxygenase and 5-aminovaleramide amidohydrolase. *Scientific Reports*, **2014**, 4, 5657 | 4.9 | 37 |
| 187 | Genomic analysis of thermophilic Bacillus coagulans strains: efficient producers for platform bio-chemicals. *Scientific Reports*, **2014**, 4, 3926 | 4.9 | 28 |
| 186 | Efficient production of l-lactic acid using co-feeding strategy based on cane molasses/glucose carbon sources. *Bioresource Technology*, **2014**, 153, 23-9 | 11 | 57 |
| 185 | Close relationship of a novel Flavobacteriaceae □amylase with archaeal □amylases and good potentials for industrial applications. *Biotechnology for Biofuels*, **2014**, 7, 18 | 7.8 | 26 |
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