

# Pablo Ivan Nickel

## List of Publications by Year in descending order

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123  
papers

7,038  
citations

66250

44  
h-index

81351

76  
g-index

143  
all docs

143  
docs citations

143  
times ranked

5552  
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and opportunities in bringing nonbiological atoms to life with synthetic metabolism. Trends in Biotechnology, 2023, 41, 27-45.	4.9	10
2	Synthetic metabolism for biohalogenation. Current Opinion in Biotechnology, 2022, 74, 180-193.	3.3	25
3	Dual Effect: High NADH Levels Contribute to Efflux-Mediated Antibiotic Resistance but Drive Lethality Mediated by Reactive Oxygen Species. MBio, 2022, 13, e0243421.	1.8	12
4	Oligomerization engineering of the fluorinase enzyme leads to an active trimer that supports synthesis of fluorometabolites <i>in vitro</i> . Microbial Biotechnology, 2022, 15, 1622-1632.	2.0	7
5	Merging automation and fundamental discovery into the design-build-test-learn cycle of nontraditional microbes. Trends in Biotechnology, 2022, 40, 1148-1159.	4.9	24
6	Standardization of regulatory nodes for engineering heterologous gene expression: a feasibility study. Microbial Biotechnology, 2022, 15, 2250-2265.	2.0	8
7	Developing a CRISPR-assisted base-editing system for genome engineering of <i>Pseudomonas chlororaphis</i> . Microbial Biotechnology, 2022, 15, 2324-2336.	2.0	10
8	A Nonconventional Archaeal Fluorinase Identified by In Silico Mining for Enhanced Fluorine Biocatalysis. ACS Catalysis, 2022, 12, 6570-6577.	5.5	20
9	Modular (de)construction of complex bacterial phenotypes by CRISPR/Cas9-assisted, multiplex cytidine base-editing. Nature Communications, 2022, 13, .	5.8	39
10	Dynamic flux regulation for high-titer anthranilate production by plasmid-free, conditionally-auxotrophic strains of <i>Pseudomonas putida</i> . Metabolic Engineering, 2022, 73, 11-25.	3.6	16
11	Role of the <i>CrcB</i> transporter of <i>Pseudomonas putida</i> in the multi-level stress response elicited by mineral fluoride. Environmental Microbiology, 2022, 24, 5082-5104.	1.8	15
12	High-throughput colorimetric assays optimized for detection of ketones and aldehydes produced by microbial cell factories. Microbial Biotechnology, 2022, 15, 2426-2438.	2.0	6
13	Engineering Native and Synthetic Pathways in <i>Pseudomonas putida</i> for the Production of Tailored Polyhydroxyalkanoates. Biotechnology Journal, 2021, 16, e2000165.	1.8	67
14	Rapid Genome Engineering of <i>Pseudomonas</i> Assisted by Fluorescent Markers and Tractable Curing of Plasmids. Bio-protocol, 2021, 11, e3917.	0.2	10
15	Reconfiguration of metabolic fluxes in <i>Pseudomonas putida</i> as a response to sub-lethal oxidative stress. ISME Journal, 2021, 15, 1751-1766.	4.4	79
16	Low CyaA expression and anti-cooperative binding of cAMP to CRP frames the scope of the cognate regulon of <i>Pseudomonas putida</i> . Environmental Microbiology, 2021, 23, 1732-1749.	1.8	4
17	<i>Pseudomonas taiwanensis</i> biofilms for continuous conversion of cyclohexanone in drip flow and rotating bed reactors. Engineering in Life Sciences, 2021, 21, 258-269.	2.0	5
18	Transcriptional control of 2,4-dinitrotoluene degradation in <i>Burkholderia sp.</i> <i>R34</i> bears a regulatory patch that eases pathway evolution. Environmental Microbiology, 2021, 23, 2522-2531.	1.8	8

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19	Spatiotemporal Manipulation of the Mismatch Repair System of <i>Pseudomonas putida</i> Accelerates Phenotype Emergence. <i>ACS Synthetic Biology</i> , 2021, 10, 1214-1226.	1.9	11
20	Cofactor Specificity of Glucose-6-Phosphate Dehydrogenase Isozymes in <i>Pseudomonas putida</i> Reveals a General Principle Underlying Glycolytic Strategies in Bacteria. <i>MSystems</i> , 2021, 6, .	1.7	17
21	Towards robust <i>Pseudomonas</i> cell factories to harbour novel biosynthetic pathways. <i>Essays in Biochemistry</i> , 2021, 65, 319-336.	2.1	44
22	High-throughput dilution-based growth method enables time-resolved exo-metabolomics of <i>Pseudomonas putida</i> and <i>Pseudomonas aeruginosa</i> . <i>Microbial Biotechnology</i> , 2021, 14, 2214-2226.	2.0	14
23	Microbial cell factories: a biotechnology journey across species. <i>Essays in Biochemistry</i> , 2021, 65, 143-145.	2.1	1
24	Model-guided dynamic control of essential metabolic nodes boosts acetyl-coenzyme A-dependent bioproduction in rewired <i>Pseudomonas putida</i> . <i>Metabolic Engineering</i> , 2021, 67, 373-386.	3.6	41
25	Combinatorial pathway balancing provides biosynthetic access to 2-fluoro-cis,cis-muconate in engineered <i>Pseudomonas putida</i> . <i>Chem Catalysis</i> , 2021, 1, 1234-1259.	2.9	19
26	Growth-coupled selection of synthetic modules to accelerate cell factory development. <i>Nature Communications</i> , 2021, 12, 5295.	5.8	35
27	Synthetic biology beyond borders. <i>Microbial Biotechnology</i> , 2021, 14, 2254-2256.	2.0	0
28	The <i>Pseudomonas aeruginosa</i> whole genome sequence: A 20th anniversary celebration. <i>Advances in Microbial Physiology</i> , 2021, 79, 25-88.	1.0	7
29	Physical decoupling of XylS/ <i>Pm</i> regulatory elements and conditional proteolysis enable precise control of gene expression in <i>Pseudomonas putida</i> . <i>Microbial Biotechnology</i> , 2020, 13, 222-232.	2.0	54
30	Biochemistry, genetics and biotechnology of glycerol utilization in <i>Pseudomonas</i> species. <i>Microbial Biotechnology</i> , 2020, 13, 32-53.	2.0	76
31	Accelerated genome engineering of <i>Pseudomonas putida</i> by <i>Sce</i> -mediated recombination and CRISPR-Cas9 counterselection. <i>Microbial Biotechnology</i> , 2020, 13, 233-249.	2.0	99
32	Exploring the synthetic biology potential of bacteriophages for engineering non-model bacteria. <i>Nature Communications</i> , 2020, 11, 5294.	5.8	45
33	Elimination of GlnKamtB affects serine biosynthesis and improves growth and stress tolerance of <i>Escherichia coli</i> under nutrient-rich conditions. <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	4
34	Advanced metabolic engineering strategies for the development of sustainable microbial processes. , 2020, , 225-246.		3
35	Industrial biotechnology of <i>Pseudomonas putida</i> : advances and prospects. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7745-7766.	1.7	128
36	A fluoride-responsive genetic circuit enables in vivo biofluorination in engineered <i>Pseudomonas putida</i> . <i>Nature Communications</i> , 2020, 11, 5045.	5.8	60

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37	Synthetic control of plasmid replication enables target- and self-curing of vectors and expedites genome engineering of <i>Pseudomonas putida</i> . <i>Metabolic Engineering Communications</i> , 2020, 10, e00126.	1.9	62
38	<scp>ArSH</scp> protects <i>Pseudomonas putida</i> from oxidative damage caused by exposure to arsenic. <i>Environmental Microbiology</i> , 2020, 22, 2230-2242.	1.8	28
39	Biotransformation of 2,4-dinitrotoluene in a phototrophic co-culture of engineered <i>Synechococcus elongatus</i> and <i>Pseudomonas putida</i> . <i>Microbial Biotechnology</i> , 2020, 13, 997-1011.	2.0	30
40	Intersecting Xenobiology and Neometabolism To Bring Novel Chemistries to Life. <i>ChemBioChem</i> , 2020, 21, 2551-2571.	1.3	20
41	<i>Pseudomonas putida</i> . <i>Trends in Microbiology</i> , 2020, 28, 512-513.	3.5	52
42	Editorial: Synthetic Biology-Guided Metabolic Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 221.	2.0	3
43	Engineering Reduced-Genome Strains of <i>Pseudomonas putida</i> for Product Valorization. , 2020, , 69-93.		2
44	An expanded CRISPRi toolbox for tunable control of gene expression in <i>Pseudomonas putida</i> . <i>Microbial Biotechnology</i> , 2020, 13, 368-385.	2.0	48
45	A SsrA/Nla-based Strategy for Post-Translational Regulation of Protein Levels in Gram-negative Bacteria. <i>Bio-protocol</i> , 2020, 10, e3688.	0.2	0
46	Chasing bacterial chassis for metabolic engineering: a perspective review from classical to non-traditional microorganisms. <i>Microbial Biotechnology</i> , 2019, 12, 98-124.	2.0	193
47	Synthesis of Recoded Bacterial Genomes toward Bespoke Biocatalysis. <i>Trends in Biotechnology</i> , 2019, 37, 1036-1038.	4.9	3
48	Why Nature Chose Potassium. <i>Journal of Molecular Evolution</i> , 2019, 87, 271-288.	0.8	41
49	Non-invasive, ratiometric determination of intracellular pH in <i>Pseudomonas</i> species using a novel genetically encoded indicator. <i>Microbial Biotechnology</i> , 2019, 12, 799-813.	2.0	23
50	Evolutionary Approaches for Engineering Industrially Relevant Phenotypes in Bacterial Cell Factories. <i>Biotechnology Journal</i> , 2019, 14, e1800439.	1.8	41
51	Functional implementation of a linear glycolysis for sugar catabolism in <i>Pseudomonas putida</i> . <i>Metabolic Engineering</i> , 2019, 54, 200-211.	3.6	56
52	High-Performance Biocomputing in Synthetic Biology—Integrated Transcriptional and Metabolic Circuits. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 40.	2.0	34
53	Breaking the state-of-the-art in the chemical industry with new Nature products via synthetic microbiology. <i>Microbial Biotechnology</i> , 2019, 12, 187-190.	2.0	22
54	Revolutionizing agriculture with synthetic biology. <i>Nature Plants</i> , 2019, 5, 1207-1210.	4.7	100

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55	In silico-guided engineering of <i>Pseudomonas putida</i> towards growth under micro-oxic conditions. <i>Microbial Cell Factories</i> , 2019, 18, 179.	1.9	23
56	The global regulator Crc orchestrates the metabolic robustness underlying oxidative stress resistance in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2019, 21, 898-912.	1.8	27
57	The <i>Synthetic Microbiology Caucus</i> : from abstract ideas to turning microbes into cellular machines and back. <i>Microbial Biotechnology</i> , 2019, 12, 5-7.	2.0	5
58	Evolving metabolism of 2,4-dinitrotoluene triggers SOS-independent diversification of host cells. <i>Environmental Microbiology</i> , 2019, 21, 314-326.	1.8	13
59	Assessing Carbon Source-Dependent Phenotypic Variability in <i>Pseudomonas putida</i> . <i>Methods in Molecular Biology</i> , 2018, 1745, 287-301.	0.4	4
60	A Post-translational Metabolic Switch Enables Complete Decoupling of Bacterial Growth from Biopolymer Production in Engineered <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 2686-2697.	1.9	58
61	The Metabolic Redox Regime of <i>Pseudomonas putida</i> Tunes Its Evolvability toward Novel Xenobiotic Substrates. <i>MBio</i> , 2018, 9, .	1.8	51
62	<i>Pseudomonas putida</i> as a functional chassis for industrial biocatalysis: From native biochemistry to trans-metabolism. <i>Metabolic Engineering</i> , 2018, 50, 142-155.	3.6	338
63	Getting Bacteria in Shape: Synthetic Morphology Approaches for the Design of Efficient Microbial Cell Factories. <i>Advanced Biology</i> , 2018, 2, 1800111.	3.0	46
64	Re-Factoring Glycolytic Genes for Targeted Engineering of Catabolism in Gram-Negative Bacteria. <i>Methods in Molecular Biology</i> , 2018, 1772, 3-24.	0.4	3
65	Refactoring the Embden-Meyerhof-Parnas Pathway as a Whole of Portable GlucoBricks for Implantation of Glycolytic Modules in Gram-Negative Bacteria. <i>ACS Synthetic Biology</i> , 2017, 6, 793-805.	1.9	50
66	A New Player in the Biorefineries Field: Phasin PhaP Enhances Tolerance to Solvents and Boosts Ethanol and 1,3-Propanediol Synthesis in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	22
67	Bioremediation 3.0: Engineering pollutant-removing bacteria in the times of systemic biology. <i>Biotechnology Advances</i> , 2017, 35, 845-866.	6.0	240
68	Unexpected functions of automatically annotated genes: a lesson learnt from <i>Bacillus subtilis</i> . <i>Environmental Microbiology</i> , 2017, 19, 5-6.	1.8	1
69	Engineering Gram-Negative Microbial Cell Factories Using Transposon Vectors. <i>Methods in Molecular Biology</i> , 2017, 1498, 273-293.	0.4	23
70	Quantifying the Relative Importance of Phylogeny and Environmental Preferences As Drivers of Gene Content in Prokaryotic Microorganisms. <i>Frontiers in Microbiology</i> , 2016, 7, 433.	1.5	19
71	The <i>RNA</i> chaperone <i>Hfq</i> enables the environmental stress tolerance super-phenotype of <i>Pseudomonas putida</i> . <i>Environmental Microbiology</i> , 2016, 18, 3309-3326.	1.8	25
72	A Metabolic Widget Adjusts the Phosphoenolpyruvate-Dependent Fructose Influx in <i>Pseudomonas putida</i> . <i>MSystems</i> , 2016, 1, .	1.7	28

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73	From dirt to industrial applications: <i>Pseudomonas putida</i> as a Synthetic Biology chassis for hosting harsh biochemical reactions. <i>Current Opinion in Chemical Biology</i> , 2016, 34, 20-29.	2.8	199
74	Metabolic profile of <i>Mycobacterium smegmatis</i> reveals Mce4 proteins are relevant for cell wall lipid homeostasis. <i>Metabolomics</i> , 2016, 12, 1.	1.4	8
75	Pyridine nucleotide transhydrogenases enable redox balance of <i>Pseudomonas putida</i> during biodegradation of aromatic compounds. <i>Environmental Microbiology</i> , 2016, 18, 3565-3582.	1.8	58
76	The revisited genome of <i>Pseudomonas putida</i> KT2440 enlightens its value as a robust metabolic chassis. <i>Environmental Microbiology</i> , 2016, 18, 3403-3424.	1.8	270
77	Data on the standardization of a cyclohexanone-responsive expression system for Gram-negative bacteria. <i>Data in Brief</i> , 2016, 6, 738-744.	0.5	17
78	Genetic programming of catalytic <i>Pseudomonas putida</i> biofilms for boosting biodegradation of haloalkanes. <i>Metabolic Engineering</i> , 2016, 33, 109-118.	3.6	103
79	The CreC Regulator of <i>Escherichia coli</i> , a New Target for Metabolic Manipulations. <i>Applied and Environmental Microbiology</i> , 2016, 82, 244-254.	1.4	17
80	Systems and Synthetic Biology Approaches for Metabolic Engineering of <i>Pseudomonas putida</i> . , 2016, , 3-22.		3
81	Exacerbation of substrate toxicity by IPTG in <i>Escherichia coli</i> BL21(DE3) carrying a synthetic metabolic pathway. <i>Microbial Cell Factories</i> , 2015, 14, 201.	1.9	145
82	<i>Pseudomonas putida</i> mt-2 tolerates reactive oxygen species generated during matrix stress by inducing a major oxidative defense response. <i>BMC Microbiology</i> , 2015, 15, 202.	1.3	24
83	Genome reduction boosts heterologous gene expression in <i>Pseudomonas putida</i> . <i>Microbial Cell Factories</i> , 2015, 14, 23.	1.9	142
84	Polyhydroxyalkanoates. <i>Advances in Applied Microbiology</i> , 2015, 93, 73-106.	1.3	60
85	<i>Pseudomonas putida</i> KT2440 Strain Metabolizes Glucose through a Cycle Formed by Enzymes of the Entner-Doudoroff, Embden-Meyerhof-Parnas, and Pentose Phosphate Pathways. <i>Journal of Biological Chemistry</i> , 2015, 290, 25920-25932.	1.6	269
86	Quantitative Physiology Approaches to Understand and Optimize Reducing Power Availability in Environmental Bacteria. <i>Springer Protocols</i> , 2015, , 39-70.	0.1	14
87	The Glycerol-Dependent Metabolic Persistence of <i>Pseudomonas putida</i> KT2440 Reflects the Regulatory Logic of the GlpR Repressor. <i>MBio</i> , 2015, 6, .	1.8	62
88	Metabolic and regulatory rearrangements underlying glycerol metabolism in <i>Pseudomonas putida</i> KT2440. <i>Environmental Microbiology</i> , 2014, 16, 239-254.	1.8	91
89	<i>Pseudomonas</i> 2.0: genetic upgrading of <i>P. putida</i> KT2440 as an enhanced host for heterologous gene expression. <i>Microbial Cell Factories</i> , 2014, 13, 159.	1.9	199
90	Robustness of <i>Pseudomonas putida</i> KT2440 as a host for ethanol biosynthesis. <i>New Biotechnology</i> , 2014, 31, 562-571.	2.4	62

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91	The private life of environmental bacteria: pollutant biodegradation at the single cell level. <i>Environmental Microbiology</i> , 2014, 16, 628-642.	1.8	63
92	Biotechnological domestication of pseudomonads using synthetic biology. <i>Nature Reviews Microbiology</i> , 2014, 12, 368-379.	13.6	332
93	The metabolic cost of flagellar motion in <i>Pseudomonas putida</i> KT2440. <i>Environmental Microbiology</i> , 2014, 16, 291-303.	1.8	132
94	New Transposon Tools Tailored for Metabolic Engineering of Gram-Negative Microbial Cell Factories. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 46.	2.0	85
95	Accumulation of inorganic polyphosphate enables stress endurance and catalytic vigour in <i>Pseudomonas putida</i> KT2440. <i>Microbial Cell Factories</i> , 2013, 12, 50.	1.9	77
96	Why are chlorinated pollutants so difficult to degrade aerobically? Redox stress limits 1,3-dichloroprop-1-ene metabolism by <i>Pseudomonas pavonaceae</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120377.	1.8	53
97	Anr, the anaerobic global regulator, modulates the redox state and oxidative stress resistance in <i>Pseudomonas extremaustralis</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 259-268.	0.7	22
98	The <i>Entner</i> - <i>Doudoroff</i> pathway empowers <i>Pseudomonas putida</i> KT2440 with a high tolerance to oxidative stress. <i>Environmental Microbiology</i> , 2013, 15, 1772-1785.	1.8	195
99	Implantation of unmarked regulatory and metabolic modules in Gram-negative bacteria with specialised mini-transposon delivery vectors. <i>Journal of Biotechnology</i> , 2013, 163, 143-154.	1.9	51
100	Engineering an anaerobic metabolic regime in <i>Pseudomonas putida</i> KT2440 for the anoxic biodegradation of 1,3-dichloroprop-1-ene. <i>Metabolic Engineering</i> , 2013, 15, 98-112.	3.6	93
101	Endogenous Stress Caused by Faulty Oxidation Reactions Fosters Evolution of 2,4-Dinitrotoluene-Degrading Bacteria. <i>PLoS Genetics</i> , 2013, 9, e1003764.	1.5	74
102	Transcriptomic fingerprinting of <i>Pseudomonas putida</i> under alternative physiological regimes. <i>Environmental Microbiology Reports</i> , 2013, 5, 883-891.	1.0	75
103	The Standard European Vector Architecture (SEVA): a coherent platform for the analysis and deployment of complex prokaryotic phenotypes. <i>Nucleic Acids Research</i> , 2013, 41, D666-D675.	6.5	556
104	Manipulation of the Anoxic Metabolism in <i>Escherichia coli</i> by ArcB Deletion Variants in the ArcBA Two-Component System. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8784-8794.	1.4	15
105	ESCHERICHIA COLI REDOX MUTANTS AS MICROBIAL CELL FACTORIES FOR THE SYNTHESIS OF REDUCED BIOCHEMICALS. <i>Computational and Structural Biotechnology Journal</i> , 2012, 3, e201210019.	1.9	27
106	Metabolic engineering strategies of <i>Pseudomonas putida</i> KT2440 for biocatalysis under conditions with restricted oxygen supply. <i>New Biotechnology</i> , 2012, 29, S30.	2.4	0
107	Effects of Aeration on the Synthesis of Poly(3-Hydroxybutyrate) from Glycerol and Glucose in Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 2036-2040.	1.4	66
108	Metabolic selective pressure stabilizes plasmids carrying biosynthetic genes for reduced biochemicals in <i>Escherichia coli</i> redox mutants. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 563-573.	1.7	12

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109	Ethanol synthesis from glycerol by <i>Escherichia coli</i> redox mutants expressing <i>adhE</i> from <i>Leuconostoc mesenteroides</i> . <i>Journal of Applied Microbiology</i> , 2010, 109, 492-504.	1.4	40
110	Redox driven metabolic tuning. <i>Bioengineered Bugs</i> , 2010, 1, 293-297.	2.0	7
111	Elimination of $\gamma$ -Lactate Synthesis Increases Poly(3-Hydroxybutyrate) and Ethanol Synthesis from Glycerol and Affects Cofactor Distribution in Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 7400-7406.	1.4	25
112	Metabolic Flux Analysis of <i>Escherichia coli creB</i> and <i>arcA</i> Mutants Reveals Shared Control of Carbon Catabolism under Microaerobic Growth Conditions. <i>Journal of Bacteriology</i> , 2009, 191, 5538-5548.	1.0	46
113	Poly(3-hydroxybutyrate) synthesis from glycerol by a recombinant <i>Escherichia coli arcA</i> mutant in fed-batch microaerobic cultures. <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 1337-1343.	1.7	74
114	Modelling the freezing response of baker's yeast prestressed cells: a statistical approach. <i>Journal of Applied Microbiology</i> , 2008, 104, 716-727.	1.4	5
115	The Legacy of HfrH: Mutations in the Two-Component System CreBC Are Responsible for the Unusual Phenotype of an <i>Escherichia coli arcA</i> Mutant. <i>Journal of Bacteriology</i> , 2008, 190, 3404-3407.	1.0	21
116	<i>ArcA</i> Redox Mutants as a Source of Reduced Bioproducts. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008, 15, 41-47.	1.0	13
117	<i>Escherichia coli arcA</i> Mutants: Metabolic Profile Characterization of Microaerobic Cultures using Glycerol as a Carbon Source. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008, 15, 48-54.	1.0	48
118	Effects of Granule-Associated Protein PhaP on Glycerol-Dependent Growth and Polymer Production in Poly(3-Hydroxybutyrate)-Producing <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 7912-7916.	1.4	58
119	<i>dye (arc)</i> mutants: insights into an unexplained phenotype and its suppression by the synthesis of poly(3-hydroxybutyrate) in <i>Escherichia coli</i> recombinants. <i>FEMS Microbiology Letters</i> , 2006, 258, 55-60.	0.7	42
120	<i>dye(arc)</i> mutants: insights into an unexplained phenotype and its suppression by the synthesis of poly(3-hydroxybutyrate) in <i>Escherichia coli</i> recombinants. <i>FEMS Microbiology Letters</i> , 2006, 259, 332-332.	0.7	0
121	New Recombinant <i>Escherichia coli</i> Strain Tailored for the Production of Poly(3-Hydroxybutyrate) from Agroindustrial By-Products. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3949-3954.	1.4	90
122	Poly(3-Hydroxybutyrate) Synthesis by Recombinant <i>Escherichia coli arcA</i> Mutants in Microaerobiosis. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2614-2620.	1.4	70
123	Statistical optimization of a culture medium for biomass and poly(3-hydroxybutyrate) production by a recombinant <i>Escherichia coli</i> strain using agroindustrial byproducts. <i>International Microbiology</i> , 2005, 8, 243-50.	1.1	34