

Andreas Schmid

List of Publications by Year in descending order

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210
papers

10,540
citations

27035

58
h-index

49824

91
g-index

219
all docs

219
docs citations

219
times ranked

9131
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximizing Photosynthesis-Driven Baeyer-Villiger Oxidation Efficiency in Recombinant <i>Synechocystis</i> sp. PCC6803. <i>Frontiers in Catalysis</i> , 2022, 1, .	1.8	14
2	Evaluation of self-sustaining cyanobacterial biofilms for technical applications. <i>Biofilm</i> , 2022, 4, 100073.	1.5	11
3	Impact of oral lipid and glucose tolerance tests on the postprandial concentrations of angiotensin-like proteins (Angptl) 3 and 4. <i>European Journal of Nutrition</i> , 2022, 61, 1919-1929.	1.8	5
4	Improvement of Type 2 Diabetes Mellitus and Attenuation of NAFLD Are Associated with the Success of Obesity Therapy. <i>Journal of Clinical Medicine</i> , 2022, 11, 1756.	1.0	5
5	Role of the Steroid Sulfate Uptake Transporter Soat (Slc10a6) in Adipose Tissue and 3T3-L1 Adipocytes. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 863912.	1.6	1
6	Hydrophobic Outer Membrane Pores Boost Testosterone Hydroxylation by Cytochrome P450 BM3 Containing Cells. <i>Frontiers in Catalysis</i> , 2022, 2, .	1.8	1
7	Whole-cell biocatalysis using the <i>Acidovorax</i> sp. CHX100 for the production of α -hydroxycarboxylic acids from cycloalkanes. <i>New Biotechnology</i> , 2021, 60, 200-206.	2.4	14
8	Serum Levels and Adipose Tissue Gene Expression of Cathelicidin Antimicrobial Peptide (CAMP) in Obesity and During Weight Loss. <i>Hormone and Metabolic Research</i> , 2021, 53, 169-177.	0.7	15
9	Systematic Quantification of Neurotrophic Adipokines RBP4, PEDF, and Clusterin in Human Cerebrospinal Fluid and Serum. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e2239-e2250.	1.8	10
10	C1q/TNF-Related Protein 3 (CTRP-3) Deficiency of Adipocytes Affects White Adipose Tissue Mass but Not Systemic CTRP-3 Concentrations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1670.	1.8	5
11	Trans-4-hydroxy-L-proline production by the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Metabolic Engineering Communications</i> , 2021, 12, e00155.	1.9	8
12	Evidence of a Muscle-Brain Axis by Quantification of the Neurotrophic Myokine METRNL (Meteorin-Like Protein) in Human Cerebrospinal Fluid and Serum. <i>Journal of Clinical Medicine</i> , 2021, 10, 3271.	1.0	8
13	Anti-Inflammatory Effects of C1q/Tumor Necrosis Factor-Related Protein 3 (CTRP3) in Endothelial Cells. <i>Cells</i> , 2021, 10, 2146.	1.8	4
14	The Metabolic Flux Probe (MFP)-Secreted Protein as a Non-Disruptive Information Carrier for ^{13}C -Based Metabolic Flux Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9438.	1.8	0
15	Meteorin-Like Protein (Metrnl) in Obesity, during Weight Loss and in Adipocyte Differentiation. <i>Journal of Clinical Medicine</i> , 2021, 10, 4338.	1.0	14
16	The adipokine C1q/TNF-related protein-3 (CTRP-3) inhibits Toll-like receptor (TLR)-induced expression of Cathelicidin antimicrobial peptide (CAMP) in adipocytes. <i>Cytokine</i> , 2021, 148, 155663.	1.4	6
17	Regulation of CAMP (cathelicidin antimicrobial peptide) expression in adipocytes by TLR 2 and 4. <i>Innate Immunity</i> , 2021, 27, 184-191.	1.1	7
18	Role of progranulin in adipose tissue innate immunity. <i>Cytokine</i> , 2020, 125, 154796.	1.4	16

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19	Highly Efficient Access to (S)-Sulfoxides Utilizing a Promiscuous Flavoprotein Monooxygenase in a Whole-Cell Biocatalyst Format. <i>ChemCatChem</i> , 2020, 12, 4664-4671.	1.8	12
20	Conversion Efficiencies of a Few Living Microbial Cells Detected at a High Throughput by Droplet-Based ESI-MS. <i>Analytical Chemistry</i> , 2020, 92, 10700-10708.	3.2	21
21	Downregulation of CTRP-3 by Weight Loss In Vivo and by Bile Acids and Incretins in Adipocytes In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8168.	1.8	10
22	Mixed-trophies biofilm cultivation in capillary reactors. <i>MethodsX</i> , 2019, 6, 1822-1831.	0.7	9
23	Data on mixed trophies biofilm for continuous cyclohexane oxidation to cyclohexanol using <i>Synechocystis</i> sp. PCC 6803. <i>Data in Brief</i> , 2019, 25, 104059.	0.5	4
24	Progranulin serum levels and gene expression in subcutaneous vs visceral adipose tissue of severely obese patients undergoing bariatric surgery. <i>Clinical Endocrinology</i> , 2019, 91, 400-410.	1.2	15
25	Anaerobic C-H Oxyfunctionalization: Coupling of Nitrate Reduction and Quinoline Hydroxylation in Recombinant <i>Pseudomonas putida</i> . <i>Biotechnology Journal</i> , 2019, 14, 1800615.	1.8	1
26	Light-Dependent and Aeration-Independent Gram-Scale Hydroxylation of Cyclohexane to Cyclohexanol by CYP450 Harboring <i>Synechocystis</i> sp. PCC 6803. <i>Biotechnology Journal</i> , 2019, 14, e1800724.	1.8	55
27	Stabilization and scale-up of photosynthesis-driven hydroxylation of nonanoic acid methyl ester by two-liquid phase whole-cell biocatalysis. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1887-1900.	1.7	16
28	Quantifying a Biocatalytic Product from a Few Living Microbial Cells Using Microfluidic Cultivation Coupled to FT-ICR-MS. <i>Analytical Chemistry</i> , 2019, 91, 7012-7018.	3.2	25
29	Mixed-species biofilms for high-cell-density application of <i>Synechocystis</i> sp. PCC 6803 in capillary reactors for continuous cyclohexane oxidation to cyclohexanol. <i>Bioresource Technology</i> , 2019, 282, 171-178.	4.8	62
30	Evidence of functional bile acid signaling pathways in adipocytes. <i>Molecular and Cellular Endocrinology</i> , 2019, 483, 1-10.	1.6	26
31	Constitutively solvent-tolerant <i>Pseudomonas taiwanensis</i> VLB120 supports particularly high styrene epoxidation activities when grown under glucose excess conditions. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1089-1101.	1.7	16
32	Evidence of an anti-inflammatory toll-like receptor 9 (TLR 9) pathway in adipocytes. <i>Journal of Endocrinology</i> , 2019, 240, 325-343.	1.2	25
33	Suppressor of Cytokine Signaling 1 is Involved in Gene Regulation Which Controls the Survival of Ly6Clow Monocytes in Mice. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 336-353.	1.1	5
34	Regulation of natriuretic peptides postprandially in vivo and of their receptors in adipocytes by fatty acids in vitro. <i>Molecular and Cellular Endocrinology</i> , 2018, 473, 225-234.	1.6	5
35	Biocatalytic conversion of cycloalkanes to lactones using an in vivo cascade in <i>Pseudomonas taiwanensis</i> VLB120. <i>Biotechnology and Bioengineering</i> , 2018, 115, 312-320.	1.7	44
36	In Situ O ₂ Generation for Biocatalytic Oxyfunctionalization Reactions. <i>ChemCatChem</i> , 2018, 10, 5366-5371.	1.8	19

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37	l-Arabinose triggers its own uptake via induction of the arabinose-specific Gal2p transporter in an industrial <i>Saccharomyces cerevisiae</i> strain. <i>Biotechnology for Biofuels</i> , 2018, 11, 231.	6.2	5
38	An artificial TCA cycle selects for efficient α -ketoglutarate dependent hydroxylase catalysis in engineered <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2017, 114, 1511-1520.	1.7	29
39	Hyperadherence of <i>Pseudomonas taiwanensis</i> VLB120 [†] C increases productivity of (<i>S</i>) α -styrene oxide formation. <i>Microbial Biotechnology</i> , 2017, 10, 735-744.	2.0	15
40	The application of constitutively solvent-tolerant <i>P. taiwanensis</i> VLB120 [†] C for stereospecific epoxidation of toxic styrene alleviates carrier solvent use. <i>Biotechnology Journal</i> , 2017, 12, 1600558.	1.8	15
41	Hydrolase BioH knockout in <i>E. coli</i> enables efficient fatty acid methyl ester bioprocessing. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 339-351.	1.4	9
42	Umgehung des Gasflüssigstofftransports von Sauerstoff durch Kopplung der photosynthetischen Wasseroxidation an eine biokatalytische Oxyfunktionalisierung. <i>Angewandte Chemie</i> , 2017, 129, 15343-15346.	1.6	18
43	Overcoming the Gas-Liquid Mass Transfer of Oxygen by Coupling Photosynthetic Water Oxidation with Biocatalytic Oxyfunctionalization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15146-15149.	7.2	60
44	Beyond the bulk: disclosing the life of single microbial cells. <i>FEMS Microbiology Reviews</i> , 2017, 41, 751-780.	3.9	38
45	Miniaturized octupole cytometry for cell type independent trapping and analysis. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	1.0	10
46	Maximizing the stability of metabolic engineering-derived whole-cell biocatalysts. <i>Biotechnology Journal</i> , 2017, 12, 1600170.	1.8	34
47	Generating Electric Current by Bioartificial Photosynthesis. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2017, 167, 361-393.	0.6	2
48	Maximization of cell viability rather than biocatalyst activity improves whole-cell α -oxyfunctionalization performance. <i>Biotechnology and Bioengineering</i> , 2017, 114, 874-884.	1.7	30
49	Continuous multistep synthesis of perillic acid from limonene by catalytic biofilms under segmented flow. <i>Biotechnology and Bioengineering</i> , 2017, 114, 281-290.	1.7	31
50	Growth of <i>Pseudomonas taiwanensis</i> VLB120 [†] C biofilms in the presence of <i>n</i> -butanol. <i>Microbial Biotechnology</i> , 2017, 10, 745-755.	2.0	15
51	Innate Immunity of Adipose Tissue in Rodent Models of Local and Systemic <i>Staphylococcus aureus</i> Infection. <i>Mediators of Inflammation</i> , 2017, 2017, 1-13.	1.4	24
52	δ^9 -Tetrahydrocannabinolic acid synthase: The application of a plant secondary metabolite enzyme in biocatalytic chemical synthesis. <i>Journal of Biotechnology</i> , 2016, 233, 42-48.	1.9	8
53	Catalytic <i>Pseudomonas taiwanensis</i> VLB120 [†] C biofilms thrive in a continuous pure styrene generated by multiphasic segmented flow in a capillary microreactor. <i>Journal of Flow Chemistry</i> , 2016, 6, 39-42.	1.2	16
54	Continuous cyclohexane oxidation to cyclohexanol using a novel cytochrome P450 monooxygenase from <i>Acidovorax</i> sp. CHX100 in recombinant <i>P. taiwanensis</i> VLB120 biofilms. <i>Biotechnology and Bioengineering</i> , 2016, 113, 52-61.	1.7	50

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55	Dynamics of benzoate metabolism in <i>Pseudomonas putida</i> KT2440. <i>Metabolic Engineering Communications</i> , 2016, 3, 97-110.	1.9	37
56	How to Assess the Clinical Relevance of Novel RET Missense Variants in the Absence of Functional Studies?. <i>European Thyroid Journal</i> , 2016, 5, 73-77.	1.2	3
57	Quantification and regulation of the adipokines resistin and progranulin in human cerebrospinal fluid. <i>European Journal of Clinical Investigation</i> , 2016, 46, 15-26.	1.7	24
58	The <i>MOX</i> promoter in <i>Hansenula polymorpha</i> is ultrasensitive to glucose-mediated carbon catabolite repression. <i>FEMS Yeast Research</i> , 2016, 16, fow067.	1.1	13
59	Quantification and regulation of adipin in human cerebrospinal fluid (CSF). <i>Clinical Endocrinology</i> , 2016, 84, 194-202.	1.2	11
60	Trophic regulation of autoaggregation in <i>Pseudomonas taiwanensis</i> VLB120. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 347-360.	1.7	7
61	Decoupling production from growth by magnesium sulfate limitation boosts de novo limonene production. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1305-1314.	1.7	25
62	Applications of Multiphasic Microreactors for Biocatalytic Reactions. <i>Organic Process Research and Development</i> , 2016, 20, 361-370.	1.3	47
63	Efficient production of the Nylon 12 monomer 12-aminododecanoic acid methyl ester from renewable dodecanoic acid methyl ester with engineered <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2016, 36, 1-9.	3.6	70
64	Pro-inflammatory chemokines CCL2, chemerin, IP-10 and RANTES in human serum during an oral lipid tolerance test. <i>Cytokine</i> , 2016, 80, 56-63.	1.4	13
65	Bile Acid Metabolome after an Oral Lipid Tolerance Test by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS). <i>PLoS ONE</i> , 2016, 11, e0148869.	1.1	33
66	Direct infusion-SIM as fast and robust method for absolute protein quantification in complex samples. <i>EuPA Open Proteomics</i> , 2015, 7, 20-26.	2.5	3
67	Multistep Synthesis of <i>S</i> -Hydroxyisobutyric Acid from Glucose using <i>Pseudomonas taiwanensis</i> VLB120 B83 T7 Catalytic Biofilms. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1919-1927.	2.1	12
68	Process boundaries of irreversible scCO_2 -assisted phase separation in biphasic whole-cell biocatalysis. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2316-2323.	1.7	6
69	An Inert Continuous Microreactor for the Isolation and Analysis of a Single Microbial Cell. <i>Micromachines</i> , 2015, 6, 1836-1855.	1.4	15
70	Variability in subpopulation formation propagates into biocatalytic variability of engineered <i>Pseudomonas putida</i> strains. <i>Frontiers in Microbiology</i> , 2015, 6, 1042.	1.5	16
71	Stabilization of single species <i>Synechocystis</i> biofilms by cultivation under segmented flow. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1083-1089.	1.4	24
72	Novel cyclohexane monooxygenase from <i>Acidovorax</i> sp. CHX100. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6889-6897.	1.7	25

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73	Integration of biocatalyst and process engineering for sustainable and efficient <i>n</i> -butanol production. <i>Engineering in Life Sciences</i> , 2015, 15, 4-19.	2.0	18
74	Technical bias of microcultivation environments on single-cell physiology. <i>Lab on A Chip</i> , 2015, 15, 1822-1834.	3.1	39
75	δ^9 -Tetrahydrocannabinolic acid synthase production in <i>Pichia pastoris</i> enables chemical synthesis of cannabinoids. <i>Journal of Biotechnology</i> , 2015, 211, 68-76.	1.9	14
76	The dynamic influence of cells on the formation of stable emulsions in organic-aqueous biotransformations. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 1011-1026.	1.4	15
77	Making variability less variable: matching expression system and host for oxygenase-based biotransformations. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015, 42, 851-866.	1.4	14
78	A three-step method for analysing bacterial biofilm formation under continuous medium flow. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6035-6047.	1.7	6
79	Guiding bioprocess design by microbial ecology. <i>Current Opinion in Microbiology</i> , 2015, 25, 25-32.	2.3	15
80	Coupling limonene formation and oxyfunctionalization by mixed-culture resting cell fermentation. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1738-1750.	1.7	25
81	Guiding efficient microbial synthesis of non-natural chemicals by physicochemical properties of reactants. <i>Current Opinion in Biotechnology</i> , 2015, 35, 52-62.	3.3	25
82	Metabolic network capacity of <i>Escherichia coli</i> for Krebs cycle-dependent proline hydroxylation. <i>Microbial Cell Factories</i> , 2015, 14, 108.	1.9	25
83	D-Xylose assimilation via the <i>W</i> eyberg pathway by solvent-tolerant <i>Pseudomonas taiwanensis</i> ... <i>VLB</i> 120. <i>Environmental Microbiology</i> , 2015, 17, 156-170.	1.8	55
84	Challenging biological limits with microfluidic single cell analysis. <i>Microbial Biotechnology</i> , 2015, 8, 23-25.	2.0	4
85	Microfluidic single-cell analysis links boundary environments and individual microbial phenotypes. <i>Environmental Microbiology</i> , 2015, 17, 1839-1856.	1.8	41
86	Enrichment and identification of δ^9 -Tetrahydrocannabinolic acid synthase from <i>Pichia pastoris</i> culture supernatants. <i>Data in Brief</i> , 2015, 4, 641-649.	0.5	2
87	Hsp90 regulates the dynamics of its cochaperone Sti1 and the transfer of Hsp70 between modules. <i>Nature Communications</i> , 2015, 6, 6655.	5.8	76
88	Efficient hydroxyproline production from glucose in minimal media by <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioengineering</i> , 2015, 112, 322-330.	1.7	31
89	Research update for articles published in EJCI in 2012. <i>European Journal of Clinical Investigation</i> , 2014, 44, 1010-1023.	1.7	1
90	Solid support membrane-aerated catalytic biofilm reactor for the continuous synthesis of (<i>S</i>)-styrene oxide at gram scale. <i>Biotechnology Journal</i> , 2014, 9, 1339-1349.	1.8	19

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91	Comparison of the Microstructure of Stimuli Responsive Zwitterionic PNIPAM-co-Sulfobetaine Microgels with PNIPAM Microgels and Classical Hard-Sphere Systems. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, 1033-1052.	1.4	1
92	Development of a high performance electrochemical cofactor regeneration module and its application to the continuous reduction of FAD. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 103, 100-105.	1.8	20
93	Hydrophobic Formic Acid Esters for Cofactor Regeneration in Aqueous/Organic Two-Liquid Phase Systems. <i>Topics in Catalysis</i> , 2014, 57, 385-391.	1.3	13
94	Metabolic engineering of <i>Pseudomonas</i> sp. strain VLB120 as platform biocatalyst for the production of isobutyric acid and other secondary metabolites. <i>Microbial Cell Factories</i> , 2014, 13, 2.	1.9	60
95	Engineering the productivity of recombinant <i>Escherichia coli</i> for limonene formation from glycerol in minimal media. <i>Biotechnology Journal</i> , 2014, 9, 1000-1012.	1.8	101
96	Segmented flow is controlling growth of catalytic biofilms in continuous multiphase microreactors. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1831-1840.	1.7	39
97	Biocatalytic Production of Catechols Using a High Pressure Tube-in-Tube Segmented Flow Microreactor. <i>Organic Process Research and Development</i> , 2014, 18, 1516-1526.	1.3	49
98	Engineering of <i>Pseudomonas taiwanensis</i> VLB120 for Constitutive Solvent Tolerance and Increased Specific Styrene Epoxidation Activity. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6539-6548.	1.4	62
99	Regioselective Biocatalytic Aromatic Hydroxylation in a Gas-Liquid Multiphase Tube-in-Tube Reactor. <i>ChemCatChem</i> , 2014, 6, 2567-2576.	1.8	27
100	Quantitative single cell analysis of isolated microbes in controlled microenvironments. <i>New Biotechnology</i> , 2014, 31, S61.	2.4	0
101	The microbial cell as functional unit for energy dependent multistep biocatalysis. <i>Current Opinion in Biotechnology</i> , 2014, 30, 178-189.	3.3	57
102	Clq/TNF-related protein-3 (CTRP-3) attenuates lipopolysaccharide (LPS)-induced systemic inflammation and adipose tissue Erk-1/2 phosphorylation in mice in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 8-13.	1.0	45
103	Reaction and catalyst engineering to exploit kinetically controlled whole-cell multistep biocatalysis for terminal FAME oxyfunctionalization. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1820-1830.	1.7	61
104	The Functional Structure of Central Carbon Metabolism in <i>Pseudomonas putida</i> KT2440. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5292-5303.	1.4	93
105	Engineered catalytic biofilms for continuous large scale production of <i>n</i> -octanol and styrene oxide. <i>Biotechnology and Bioengineering</i> , 2013, 110, 424-436.	1.7	47
106	Complete genome sequence of <i>Pseudomonas</i> sp. strain VLB120 a solvent tolerant, styrene degrading bacterium, isolated from forest soil. <i>Journal of Biotechnology</i> , 2013, 168, 729-730.	1.9	51
107	Subpopulation-proteomics in prokaryotic populations. <i>Current Opinion in Biotechnology</i> , 2013, 24, 79-87.	3.3	35
108	Whole-cell biocatalysis for selective and productive C=O functional group introduction and modification. <i>Chemical Society Reviews</i> , 2013, 42, 6346.	18.7	188

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109	Subtoxic product levels limit the epoxidation capacity of recombinant <i>E. coli</i> by increasing microbial energy demands. <i>Journal of Biotechnology</i> , 2013, 163, 194-203.	1.9	25
110	Whole-cell-based CYP153A6-catalyzed (<i>S</i>)-limonene hydroxylation efficiency depends on host background and profits from monoterpene uptake via AlkL. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1282-1292.	1.7	69
111	Direct Terminal Alkylamino-Functionalization <i>via</i> Multistep Biocatalysis in One Recombinant Whole-Cell Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1693-1697.	2.1	103
112	Picoliter nDEP traps enable time-resolved contactless single bacterial cell analysis in controlled microenvironments. <i>Lab on A Chip</i> , 2013, 13, 397-408.	3.1	42
113	Proline Availability Regulates Proline-4-Hydroxylase Synthesis and Substrate Uptake in Proline-Hydroxylating Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 3091-3100.	1.4	33
114	Isolated Microbial Single Cells and Resulting Micropopulations Grow Faster in Controlled Environments. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7132-7136.	1.4	35
115	Outer Membrane Protein AlkL Boosts Biocatalytic Oxyfunctionalization of Hydrophobic Substrates in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 5724-5733.	1.4	100
116	Adipocyte chemerin release is induced by insulin without being translated to higher levels <i>in vivo</i> . <i>European Journal of Clinical Investigation</i> , 2012, 42, 1213-1220.	1.7	27
117	Production host selection for asymmetric styrene epoxidation: <i>Escherichia coli</i> vs. solvent-tolerant <i>Pseudomonas</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1125-1133.	1.4	36
118	Monitoring and control of microbioreactors: An expert opinion on development needs. <i>Biotechnology Journal</i> , 2012, 7, 1308-1314.	1.8	30
119	Steroid biotransformations in biphasic systems with <i>Yarrowia lipolytica</i> expressing human liver cytochrome P450 genes. <i>Microbial Cell Factories</i> , 2012, 11, 106.	1.9	44
120	Biofilms as living catalysts in continuous chemical syntheses. <i>Trends in Biotechnology</i> , 2012, 30, 453-465.	4.9	225
121	Single-Cell Analysis in Biotechnology, Systems Biology, and Biocatalysis. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2012, 3, 129-155.	3.3	174
122	Resting cells of recombinant <i>E. coli</i> show high epoxidation yields on energy source and high sensitivity to product inhibition. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1109-1119.	1.7	66
123	Analysis of carbon and nitrogen co-metabolism in yeast by ultrahigh-resolution mass spectrometry applying ¹³ C- and ¹⁵ N-labeled substrates simultaneously. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2291-2305.	1.9	27
124	Integrated organic-aqueous biocatalysis and product recovery for quinaldine hydroxylation catalyzed by living recombinant <i>Pseudomonas putida</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1049-1059.	1.4	8
125	The glycerophospholipid inventory of <i>Pseudomonas putida</i> is conserved between strains and enables growth condition-related alterations. <i>Microbial Biotechnology</i> , 2012, 5, 45-58.	2.0	42
126	Comparison of microbial hosts and expression systems for mammalian CYP1A1 catalysis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 275-287.	1.4	12

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127	Integrated One-Pot Enrichment and Immobilization of Styrene Monooxygenase (StyA) Using SEPABEAD EC-EA and EC-Q1A Anion-Exchange Carriers. <i>Molecules</i> , 2011, 16, 5975-5988.	1.7	6
128	Regioselective aromatic hydroxylation of quinaldine by water using quinaldine 4-oxidase in recombinant <i>Pseudomonas putida</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1067-1077.	1.4	8
129	Cell physiology rather than enzyme kinetics can determine the efficiency of cytochrome P450-catalyzed C-H-oxyfunctionalization. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1359-1370.	1.4	27
130	Pressure-resistant and reversible on-tube-sealing for microfluidics. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 679-684.	1.0	8
131	Miniaturizing Biocatalysis: Enzyme-Catalyzed Reactions in an Aqueous/Organic Segmented Flow Capillary Microreactor. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2511-2521.	2.1	40
132	Enzyme-Catalyzed Lauroctam Synthesis <i>via</i> Intramolecular Amide Bond Formation in Aqueous Solution. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2501-2510.	2.1	13
133	Kinetic Analysis of Terminal and Unactivated C-H Bond Oxyfunctionalization in Fatty Acid Methyl Esters by Monooxygenase-Based Whole-Cell Biocatalysis. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3485-3495.	2.1	45
134	Carbon metabolism limits recombinant protein production in <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2011, 108, 1942-1953.	1.7	93
135	Quantification of metabolic limitations during recombinant protein production in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2011, 155, 178-184.	1.9	58
136	Real-Time Solvent Tolerance Analysis of <i>Pseudomonas</i> sp. Strain VLB120 ^T Catalytic Biofilms. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1563-1571.	1.4	54
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