Andreas Schmid

List of Publications by Year
in descending order

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210 papers	10,540 citations	23567 58 h-index	43889 91 g-index
219 all docs	219 docs citations	219 times ranked	8201 citing authors

#	Article	IF	Citations
1	Maximizing Photosynthesis-Driven Baeyerâ€“Villiger Oxidation Efficiency in Recombinant Synechocystis sp. PCC6803. Frontiers in Catalysis, 2022, 1, .	3.9	14
2	Evaluation of self-sustaining cyanobacterial biofilms for technical applications. Biofilm, 2022, 4, 100073.	3.8	11
3	Impact of oral lipid and glucose tolerance tests on the postprandial concentrations of angiopoietin-like proteins (Angptl) 3 and 4. European Journal of Nutrition, 2022, 61, 1919-1929.	3.9	5
4	Improvement of Type 2 Diabetes Mellitus and Attenuation of NAFLD Are Associated with the Success of Obesity Therapy. Journal of Clinical Medicine, 2022, 11, 1756.	2.4	5
5	Role of the Steroid Sulfate Uptake Transporter Soat (Slc10a6) in Adipose Tissue and 3T3-L1 Adipocytes. Frontiers in Molecular Biosciences, 2022, 9, 863912.	3.5	1
6	Hydrophobic Outer Membrane Pores Boost Testosterone Hydroxylation by Cytochrome P450 BM3 Containing Cells. Frontiers in Catalysis, 2022, 2, .	3.9	1
7	Whole-cell biocatalysis using the Acidovorax sp. CHX100 Î”6HX for the production of Ï‰-hydroxycarboxylic acids from cycloalkanes. New Biotechnology, 2021, 60, 200-206.	4.4	14
8	Serum Levels and Adipose Tissue Gene Expression of Cathelicidin Antimicrobial Peptide (CAMP) in Obesity and During Weight Loss. Hormone and Metabolic Research, 2021, 53, 169-177.	1.5	15
9	Systematic Quantification of Neurotrophic Adipokines RBP4, PEDF, and Clusterin in Human Cerebrospinal Fluid and Serum. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e2239-e2250.	3.6	10
10	C1q/TNF-Related Protein 3 (CTRP-3) Deficiency of Adipocytes Affects White Adipose Tissue Mass but Not Systemic CTRP-3 Concentrations. International Journal of Molecular Sciences, 2021, 22, 1670.	4.1	5
11	Trans-4-hydroxy-L-proline production by the cyanobacterium Synechocystis sp. PCC 6803. Metabolic Engineering Communications, 2021, 12, e00155.	3.6	8
12	Evidence of a Muscleâ€“Brain Axis by Quantification of the Neurotrophic Myokine METRNL (Meteorin-Like Protein) in Human Cerebrospinal Fluid and Serum. Journal of Clinical Medicine, 2021, 10, 3271.	2.4	8
13	Anti-Inflammatory Effects of C1q/Tumor Necrosis Factor-Related Protein 3 (CTRP3) in Endothelial Cells. Cells, 2021, 10, 2146.	4.1	4
14	The Metabolic Flux Probe (MFP)â€”Secreted Protein as a Non-Disruptive Information Carrier for 13C-Based Metabolic Flux Analysis. International Journal of Molecular Sciences, 2021, 22, 9438.	4.1	0
15	Meteorin-Like Protein (Metrnl) in Obesity, during Weight Loss and in Adipocyte Differentiation. Journal of Clinical Medicine, 2021, 10, 4338.	2.4	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. Cytokine, 2021, 148, 155663.	3.2	6
17	Regulation of CAMP (cathelicidin antimicrobial peptide) expression in adipocytes by TLR 2 and 4. Innate Immunity, 2021, 27, 184-191.	2.4	7
18	Role of progranulin in adipose tissue innate immunity. Cytokine, 2020, 125, 154796.	3.2	16

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19	Highly Efficient Access to (S)â€Sulfoxides Utilizing a Promiscuous Flavoprotein Monooxygenase in a Wholeâ€Cell Biocatalyst Format. ChemCatChem, 2020, 12, 4664-4671.	3.7	12
20	Conversion Efficiencies of a Few Living Microbial Cells Detected at a High Throughput by Droplet-Based ESI-MS. Analytical Chemistry, 2020, 92, 10700-10708.	6.5	21
21	Downregulation of CTRP-3 by Weight Loss In Vivo and by Bile Acids and Incretins in Adipocytes In Vitro. International Journal of Molecular Sciences, 2020, 21, 8168.	4.1	10
22	Mixed-trophies biofilm cultivation in capillary reactors. MethodsX, 2019, 6, 1822-1831.	1.6	9
23	Data on mixed trophies biofilm for continuous cyclohexane oxidation to cyclohexanol using Synechocystis sp. PCC 6803. Data in Brief, 2019, 25, 104059.	1.0	4
24	Progranulin serum levels and gene expression in subcutaneous vs visceral adipose tissue of severely obese patients undergoing bariatric surgery. Clinical Endocrinology, 2019, 91, 400-410.	2.4	15
25	Anaerobic Câ€“H Oxyfunctionalization: Coupling of Nitrate Reduction and Quinoline Hydroxylation in Recombinant Pseudomonas putida. Biotechnology Journal, 2019, 14, 1800615.	3.5	1
26	Lightâ€Dependent and Aerationâ€Independent Gramâ€Scale Hydroxylation of Cyclohexane to Cyclohexanol by CYP450 Harboring Synechocystis sp. PCC 6803. Biotechnology Journal, 2019, 14, e1800724.	3.5	55
27	Stabilization and scaleâ€up of photosynthesisâ€driven ï‰â€hydroxylation of nonanoic acid methyl ester by twoâ€liquid phase wholeâ€cell biocatalysis. Biotechnology and Bioengineering, 2019, 116, 1887-1900.	3.3	16
28	Quantifying a Biocatalytic Product from a Few Living Microbial Cells Using Microfluidic Cultivation Coupled to FT-ICR-MS. Analytical Chemistry, 2019, 91, 7012-7018.	6.5	25
29	Mixed-species biofilms for high-cell-density application of Synechocystis sp. PCC 6803 in capillary reactors for continuous cyclohexane oxidation to cyclohexanol. Bioresource Technology, 2019, 282, 171-178.	9.6	62
30	Evidence of functional bile acid signaling pathways in adipocytes. Molecular and Cellular Endocrinology, 2019, 483, 1-10.	3.2	26
31	Constitutively solventâ€tolerant Pseudomonas taiwanensis VLB120â†Câ†ttgV supports particularly highâ€styrene epoxidation activities when grown under glucose excess conditions. Biotechnology and Bioengineering, 2019, 116, 1089-1101.	3.3	16
32	Evidence of an anti-inflammatory toll-like receptor 9 (TLR 9) pathway in adipocytes. Journal of Endocrinology, 2019, 240, 325-343.	2.6	25
33	Suppressor of Cytokine Signaling 1 is Involved in Gene Regulation Which Controls the Survival of Ly6Clow Monocytes in Mice. Cellular Physiology and Biochemistry, 2019, 52, 336-353.	1.6	5
34	Regulation of natriuretic peptides postprandially inÂvivo and of their receptors in adipocytes by fatty acids inÂvitro. Molecular and Cellular Endocrinology, 2018, 473, 225-234.	3.2	5
35	Biocatalytic conversion of cycloalkanes to lactones using an inâ€vivo cascade in Pseudomonas taiwanensis VLB120. Biotechnology and Bioengineering, 2018, 115, 312-320.	3.3	44
36	In Situ O2Generation for Biocatalytic Oxyfunctionalization Reactions. ChemCatChem, 2018, 10, 5366-5371.	3.7	19

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37	l-Arabinose triggers its own uptake via induction of the arabinose-specific Gal2p transporter in an industrial Saccharomyces cerevisiae strain. Biotechnology for Biofuels, 2018, 11, 231.	6.2	5
38	An artificial TCA cycle selects for efficient Î±â€ketoglutarate dependent hydroxylase catalysis in engineered Escherichia coli. Biotechnology and Bioengineering, 2017, 114, 1511-1520.	3.3	29
39	Hyperadherence of Pseudomonas taiwanensis VLB120Î”C increases productivity of (S)â€styrene oxide formation. Microbial Biotechnology, 2017, 10, 735-744.	4.2	15
40	The application of constitutively solventâ€tolerant P. taiwanensis VLB120Î”CÎ”ttgV for stereospecific epoxidation of toxic styrene alleviates carrier solvent use. Biotechnology Journal, 2017, 12, 1600558.	3.5	15
41	Hydrolase BioH knockout in E. coli enables efficient fatty acid methyl ester bioprocessing. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 339-351.	3.0	9
42	Umgehung des Gasâ€flÃ¼ssigâ€Stofftransports von Sauerstoff durch Kopplung der photosynthetischen Wasseroxidation an eine biokatalytische Oxyfunktionalisierung. Angewandte Chemie, 2017, 129, 15343-15346.	2.0	18
43	Overcoming the Gasâ€“Liquid Mass Transfer of Oxygen by Coupling Photosynthetic Water Oxidation with Biocatalytic Oxyfunctionalization. Angewandte Chemie - International Edition, 2017, 56, 15146-15149.	13.8	60
44	Beyond the bulk: disclosing the life of single microbial cells. FEMS Microbiology Reviews, 2017, 41, 751-780.	8.6	38
45	Miniaturized octupole cytometry for cell type independent trapping and analysis. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	10
46	Maximizing the stability of metabolic engineeringâ€derived wholeâ€cell biocatalysts. Biotechnology Journal, 2017, 12, 1600170.	3.5	34
47	Generating Electric Current by Bioartificial Photosynthesis. Advances in Biochemical Engineering/Biotechnology, 2017, 167, 361-393.	1.1	2
48	Maximization of cell viability rather than biocatalyst activity improves wholeâ€cell Ï‰â€oxyfunctionalization performance. Biotechnology and Bioengineering, 2017, 114, 874-884.	3.3	30
49	Continuous multistep synthesis of perillic acid from limonene by catalytic biofilms under segmented flow. Biotechnology and Bioengineering, 2017, 114, 281-290.	3.3	31
50	Growth of Pseudomonas taiwanensis <scp>VLB</scp>120â€ˆC biofilms in the presence of nâ€butanol. Microbial Biotechnology, 2017, 10, 745-755.	4.2	15
51	Innate Immunity of Adipose Tissue in Rodent Models of Local and SystemicStaphylococcus aureusInfection. Mediators of Inflammation, 2017, 2017, 1-13.	3.0	24
52	Î”9-Tetrahydrocannabinolic acid synthase: The application of a plant secondary metabolite enzyme in biocatalytic chemical synthesis. Journal of Biotechnology, 2016, 233, 42-48.	3.8	8
53	CatalyticPseudomonas taiwanensisVLB120Î”C biofilms thrive in a continuous pure styrene generated by multiphasic segmented flow in a capillary microreactor. Journal of Flow Chemistry, 2016, 6, 39-42.	1.9	16
54	Continuous cyclohexane oxidation to cyclohexanol using a novel cytochrome P450 monooxygenase from Acidovorax sp. CHX100 in recombinant P. taiwanensis VLB120 biofilms. Biotechnology and Bioengineering, 2016, 113, 52-61.	3.3	50

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55	Dynamics of benzoate metabolism in Pseudomonas putida KT2440. Metabolic Engineering Communications, 2016, 3, 97-110.	3.6	37
56	How to Assess the Clinical Relevance of Novel RET Missense Variants in the Absence of Functional Studies?. European Thyroid Journal, 2016, 5, 73-77.	2.4	3
57	Quantification and regulation of the adipokines resistin and progranulin in human cerebrospinal fluid. European Journal of Clinical Investigation, 2016, 46, 15-26.	3.4	24
58	TheMOXpromoter inHansenula polymorphais ultrasensitive to glucose-mediated carbon catabolite repression. FEMS Yeast Research, 2016, 16, fow067.	2.3	13
59	Quantification and regulation of adipsin in human cerebrospinal fluid (<scp>CSF</scp>). Clinical Endocrinology, 2016, 84, 194-202.	2.4	11
60	Trophic regulation of autoaggregation in Pseudomonas taiwanensis VLB120. Applied Microbiology and Biotechnology, 2016, 100, 347-360.	3.6	7
61	Decoupling production from growth by magnesium sulfate limitation boosts de novo limonene production. Biotechnology and Bioengineering, 2016, 113, 1305-1314.	3.3	25
62	Applications of Multiphasic Microreactors for Biocatalytic Reactions. Organic Process Research and Development, 2016, 20, 361-370.	2.7	47
63	Efficient production of the Nylon 12 monomer Ï‰-aminododecanoic acid methyl ester from renewable dodecanoic acid methyl ester with engineered Escherichia coli. Metabolic Engineering, 2016, 36, 1-9.	7.0	70
64	Pro-inflammatory chemokines CCL2, chemerin, IP-10 and RANTES in human serum during an oral lipid tolerance test. Cytokine, 2016, 80, 56-63.	3.2	13
65	Bile Acid Metabolome after an Oral Lipid Tolerance Test by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS). PLoS ONE, 2016, 11, e0148869.	2.5	33
66	Direct infusion-SIM as fast and robust method for absolute protein quantification in complex samples. EuPA Open Proteomics, 2015, 7, 20-26.	2.5	3
67	Multistep Synthesis of (S)â€3â€Hydroxyisobutyric Acid from Glucose using Pseudomonas taiwanensis VLB120 B83 T7 Catalytic Biofilms. Advanced Synthesis and Catalysis, 2015, 357, 1919-1927.	4.3	12
68	Process boundaries of irreversible scCO₂â€assisted phase separation in biphasic wholeâ€cell biocatalysis. Biotechnology and Bioengineering, 2015, 112, 2316-2323.	3.3	6
69	An Inert Continuous Microreactor for the Isolation and Analysis of a Single Microbial Cell. Micromachines, 2015, 6, 1836-1855.	2.9	15
70	Variability in subpopulation formation propagates into biocatalytic variability of engineered Pseudomonas putida strains. Frontiers in Microbiology, 2015, 6, 1042.	3.5	16
71	Stabilization of single speciesSynechocystisbiofilms by cultivation under segmented flow. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1083-1089.	3.0	24
72	Novel cyclohexane monooxygenase from Acidovorax sp. CHX100. Applied Microbiology and Biotechnology, 2015, 99, 6889-6897.	3.6	25

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73	Integration of biocatalyst and process engineering for sustainable and efficient nâ€butanol production. Engineering in Life Sciences, 2015, 15, 4-19.	3.6	18
74	Technical bias of microcultivation environments on single-cell physiology. Lab on A Chip, 2015, 15, 1822-1834.	6.0	39
75	Î”9-Tetrahydrocannabinolic acid synthase production in Pichia pastoris enables chemical synthesis of cannabinoids. Journal of Biotechnology, 2015, 211, 68-76.	3.8	14
76	The dynamic influence of cells on the formation of stable emulsions in organicâ€“aqueous biotransformations. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1011-1026.	3.0	15
77	Making variability less variable: matching expression system and host for oxygenase-based biotransformations. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 851-866.	3.0	14
78	A three-step method for analysing bacterial biofilm formation under continuous medium flow. Applied Microbiology and Biotechnology, 2015, 99, 6035-6047.	3.6	6
79	Guiding bioprocess design by microbial ecology. Current Opinion in Microbiology, 2015, 25, 25-32.	5.1	15
80	Coupling limonene formation and oxyfunctionalization by mixedâ€culture resting cell fermentation. Biotechnology and Bioengineering, 2015, 112, 1738-1750.	3.3	25
81	Guiding efficient microbial synthesis of non-natural chemicals by physicochemical properties of reactants. Current Opinion in Biotechnology, 2015, 35, 52-62.	6.6	25
82	Metabolic network capacity of Escherichia coli for Krebs cycle-dependent proline hydroxylation. Microbial Cell Factories, 2015, 14, 108.	4.0	25
83	<scp>D</scp>â€Xylose assimilation via the <scp>W</scp>eimberg pathway by solventâ€tolerant <scp>P</scp>seudomonas taiwanensisâ€…<scp>VLB</scp>120. Environmental Microbiology, 2015, 17, 156-170.	3.8	55
84	Challenging biological limits with microfluidic single cell analysis. Microbial Biotechnology, 2015, 8, 23-25.	4.2	4
85	Microfluidic singleâ€cell analysis links boundary environments and individual microbial phenotypes. Environmental Microbiology, 2015, 17, 1839-1856.	3.8	41
86	Enrichment and identification of Î” 9 -Tetrahydrocannabinolic acid synthase from Pichia pastoris culture supernatants. Data in Brief, 2015, 4, 641-649.	1.0	2
87	Hsp90 regulates the dynamics of its cochaperone Sti1 and the transfer of Hsp70 between modules. Nature Communications, 2015, 6, 6655.	12.8	76
88	Efficient hydroxyproline production from glucose in minimal media by Corynebacterium glutamicum. Biotechnology and Bioengineering, 2015, 112, 322-330.	3.3	31
89	Research update for articles published in EJCI in 2012. European Journal of Clinical Investigation, 2014, 44, 1010-1023.	3.4	1
90	Solid support membraneâ€aerated catalytic biofilm reactor for the continuous synthesis of (S)â€styrene oxide at gram scale. Biotechnology Journal, 2014, 9, 1339-1349.	3.5	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. Zeitschrift Fur Physikalische Chemie, 2014, 228, 1033-1052.	2.8	1
92	Development of a high performance electrochemical cofactor regeneration module and its application to the continuous reduction of FAD. Journal of Molecular Catalysis B: Enzymatic, 2014, 103, 100-105.	1.8	20
93	Hydrophobic Formic Acid Esters for Cofactor Regeneration in Aqueous/Organic Two-Liquid Phase Systems. Topics in Catalysis, 2014, 57, 385-391.	2.8	13
94	Metabolic engineering of Pseudomonas sp. strain VLB120 as platform biocatalyst for the production of isobutyric acid and other secondary metabolites. Microbial Cell Factories, 2014, 13, 2.	4.0	60
95	Engineering the productivity of recombinant Escherichia coli for limonene formation from glycerol in minimal media. Biotechnology Journal, 2014, 9, 1000-1012.	3.5	101
96	Segmented flow is controlling growth of catalytic biofilms in continuous multiphase microreactors. Biotechnology and Bioengineering, 2014, 111, 1831-1840.	3.3	39
97	Biocatalytic Production of Catechols Using a High Pressure Tube-in-Tube Segmented Flow Microreactor. Organic Process Research and Development, 2014, 18, 1516-1526.	2.7	49
98	Engineering of Pseudomonas taiwanensis VLB120 for Constitutive Solvent Tolerance and Increased Specific Styrene Epoxidation Activity. Applied and Environmental Microbiology, 2014, 80, 6539-6548.	3.1	62
99	Regioselective Biocatalytic Aromatic Hydroxylation in a Gasâ€“Liquid Multiphase Tubeâ€inâ€Tube Reactor. ChemCatChem, 2014, 6, 2567-2576.	3.7	27
100	Quantitative single cell analysis of isolated microbes in controlled microenvironments. New Biotechnology, 2014, 31, S61.	4.4	0
101	The microbial cell â€" functional unit for energy dependent multistep biocatalysis. Current Opinion in Biotechnology, 2014, 30, 178-189.	6.6	57
102	C1q/TNF-related protein-3 (CTRP-3) attenuates lipopolysaccharide (LPS)-induced systemic inflammation and adipose tissue Erk-1/-2 phosphorylation in mice in vivo. Biochemical and Biophysical Research Communications, 2014, 452, 8-13.	2.1	45
103	Reaction and catalyst engineering to exploit kinetically controlled wholeâ€cell multistep biocatalysis for terminal FAME oxyfunctionalization. Biotechnology and Bioengineering, 2014, 111, 1820-1830.	3.3	61
104	The Functional Structure of Central Carbon Metabolism in Pseudomonas putida KT2440. Applied and Environmental Microbiology, 2014, 80, 5292-5303.	3.1	93
105	Engineered catalytic biofilms for continuous large scale production of nâ€octanol and (S)â€styrene oxide. Biotechnology and Bioengineering, 2013, 110, 424-436.	3.3	47
106	Complete genome sequence of Pseudomonas sp. strain VLB120 a solvent tolerant, styrene degrading bacterium, isolated from forest soil. Journal of Biotechnology, 2013, 168, 729-730.	3.8	51
107	Subpopulation-proteomics in prokaryotic populations. Current Opinion in Biotechnology, 2013, 24, 79-87.	6.6	35
108	Whole-cell biocatalysis for selective and productive Câ€"O functional group introduction and modification. Chemical Society Reviews, 2013, 42, 6346.	38.1	188

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109	Subtoxic product levels limit the epoxidation capacity of recombinant E. coli by increasing microbial energy demands. Journal of Biotechnology, 2013, 163, 194-203.	3.8	25
110	Wholeâ€cellâ€based CYP153A6â€catalyzed (S)â€limonene hydroxylation efficiency depends on host background and profits from monoterpene uptake via AlkL. Biotechnology and Bioengineering, 2013, 110, 1282-1292.	3.3	69
111	Direct Terminal Alkylaminoâ€Functionalization via Multistep Biocatalysis in One Recombinant Wholeâ€Cell Catalyst. Advanced Synthesis and Catalysis, 2013, 355, 1693-1697.	4.3	103
112	Picoliter nDEP traps enable time-resolved contactless single bacterial cell analysis in controlled microenvironments. Lab on A Chip, 2013, 13, 397-408.	6.0	42
113	Proline Availability Regulates Proline-4-Hydroxylase Synthesis and Substrate Uptake in Proline-Hydroxylating Recombinant Escherichia coli. Applied and Environmental Microbiology, 2013, 79, 3091-3100.	3.1	33
114	Isolated Microbial Single Cells and Resulting Micropopulations Grow Faster in Controlled Environments. Applied and Environmental Microbiology, 2012, 78, 7132-7136.	3.1	35
115	Outer Membrane Protein AlkL Boosts Biocatalytic Oxyfunctionalization of Hydrophobic Substrates in Escherichia coli. Applied and Environmental Microbiology, 2012, 78, 5724-5733.	3.1	100
116	Adipocyte chemerin release is induced by insulin without being translated to higher levels in vivo. European Journal of Clinical Investigation, 2012, 42, 1213-1220.	3.4	27
117	Production host selection for asymmetric styrene epoxidation: Escherichia coli vs. solvent-tolerant Pseudomonas. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1125-1133.	3.0	36
118	Monitoring and control of microbioreactors: An expert opinion on development needs. Biotechnology Journal, 2012, 7, 1308-1314.	3.5	30
119	Steroid biotransformations in biphasic systems with Yarrowia lipolytica expressing human liver cytochrome P450 genes. Microbial Cell Factories, 2012, 11, 106.	4.0	44
120	Biofilms as living catalysts in continuous chemical syntheses. Trends in Biotechnology, 2012, 30, 453-465.	9.3	225
121	Single-Cell Analysis in Biotechnology, Systems Biology, and Biocatalysis. Annual Review of Chemical and Biomolecular Engineering, 2012, 3, 129-155.	6.8	174
122	Resting cells of recombinant E. coli show high epoxidation yields on energy source and high sensitivity to product inhibition. Biotechnology and Bioengineering, 2012, 109, 1109-1119.	3.3	66
123	Analysis of carbon and nitrogen co-metabolism in yeast by ultrahigh-resolution mass spectrometry applying 13C- and 15N-labeled substrates simultaneously. Analytical and Bioanalytical Chemistry, 2012, 403, 2291-2305.	3.7	27
124	Integrated organicâ€“aqueous biocatalysis and product recovery for quinaldine hydroxylation catalyzed by living recombinant Pseudomonas putida. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1049-1059.	3.0	8
125	The glycerophospholipid inventory of Pseudomonas putida is conserved between strains and enables growth conditionâ€related alterations. Microbial Biotechnology, 2012, 5, 45-58.	4.2	42
126	Comparison of microbial hosts and expression systems for mammalian CYP1A1 catalysis. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 275-287.	3.0	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. Molecules, 2011, 16, 5975-5988.	3.8	6
128	Regioselective aromatic hydroxylation of quinaldine by water using quinaldine 4-oxidase in recombinant Pseudomonas putida. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1067-1077.	3.0	8
129	Cell physiology rather than enzyme kinetics can determine the efficiency of cytochrome P450-catalyzed Câ€“H-oxyfunctionalization. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1359-1370.	3.0	27
130	Pressure-resistant and reversible on-tube-sealing for microfluidics. Microfluidics and Nanofluidics, 2011, 10, 679-684.	2.2	8
131	Miniaturizing Biocatalysis: Enzymeâ€Catalyzed Reactions in an Aqueous/Organic Segmented Flow Capillary Microreactor. Advanced Synthesis and Catalysis, 2011, 353, 2511-2521.	4.3	40
132	Enzymeâ€Catalyzed Laurolactam Synthesis via Intramolecular Amide Bond Formation in Aqueous Solution. Advanced Synthesis and Catalysis, 2011, 353, 2501-2510.	4.3	13
133	Kinetic Analysis of Terminal and Unactivated Cï¿¿H Bond Oxyfunctionalization in Fatty Acid Methyl Esters by Monooxygenaseâ€Based Wholeâ€Cell Biocatalysis. Advanced Synthesis and Catalysis, 2011, 353, 3485-3495.	4.3	45
134	Carbon metabolism limits recombinant protein production in Pichia pastoris. Biotechnology and Bioengineering, 2011, 108, 1942-1953.	3.3	93
135	Quantification of metabolic limitations during recombinant protein production in Escherichia coli. Journal of Biotechnology, 2011, 155, 178-184.	3.8	58
136	Real-Time Solvent Tolerance Analysis ofPseudomonassp. Strain VLB120Î”C Catalytic Biofilms. Applied and Environmental Microbiology, 2011, 77, 1563-1571.	3.1	54
137	Response of Pseudomonas putida KT2440 to Increased NADH and ATP Demand. Applied and Environmental Microbiology, 2011, 77, 6597-6605.	3.1	110
138	Mikrobielle Prozesse. , 2011, , 477-505.		0
139	Characterization of a biofilm membrane reactor and its prospects for fine chemical synthesis. Biotechnology and Bioengineering, 2010, 105, 705-717.	3.3	70
140	Systems biotechnology â€“ Rational wholeâ€cell biocatalyst and bioprocess design. Engineering in Life Sciences, 2010, 10, 384-397.	3.6	51
141	Guidelines for reporting of biocatalytic reactions. Trends in Biotechnology, 2010, 28, 171-180.	9.3	144
142	Simple enzymatic procedure for <scp>l</scp>â€carnosine synthesis: wholeâ€cell biocatalysis and efficient biocatalyst recycling. Microbial Biotechnology, 2010, 3, 74-83.	4.2	34
143	Kinetic Analysis of <scp>L</scp>â€Carnosine Formation by Î²â€Aminopeptidases. Advanced Synthesis and Catalysis, 2010, 352, 407-415.	4.3	23
144	Maximizing the productivity of catalytic biofilms on solid supports in membrane aerated reactors. Biotechnology and Bioengineering, 2010, 106, 516-527.	3.3	50

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145	Quantitative physiology of Pichia pastoris during glucoseâ€limited highâ€cell density fedâ€batch cultivation for recombinant protein production. Biotechnology and Bioengineering, 2010, 107, 357-368.	3.3	90
146	Efficient phase separation and product recovery in organicâ€aqueous bioprocessing using supercritical carbon dioxide. Biotechnology and Bioengineering, 2010, 107, 642-651.	3.3	24
147	Chemical and biological single cell analysis. Current Opinion in Biotechnology, 2010, 21, 12-20.	6.6	173
148	Analytical biotechnology: from single molecule and single cell analyses to population dynamics of metabolites and cells. Current Opinion in Biotechnology, 2010, 21, 1-3.	6.6	91
149	Hypothesis-driven omics integration. Nature Chemical Biology, 2010, 6, 485-487.	8.0	22
150	Metabolic and Transcriptional Response to Cofactor Perturbations in Escherichia coli. Journal of Biological Chemistry, 2010, 285, 17498-17506.	3.4	115
151	Single Cell Analytics: An Overview. Advances in Biochemical Engineering/Biotechnology, 2010, 124, 99-122.	1.1	16
152	Enzyme Catalysis in an Aqueous/Organic Segment Flow Microreactor: Ways to Stabilize Enzyme Activity. Langmuir, 2010, 26, 9152-9159.	3.5	29
153	Intensification and economic and ecological assessment of a biocatalytic oxyfunctionalization process. Green Chemistry, 2010, 12, 815.	9.0	91
154	Systemorientierte Raffung von PrÃ¼fstandssignalen fÃ¼r Fahrwerksgelenke unter BerÃ¼cksichtigung lokaler VerschleiÃŸvorgÃ¤nge*. Materialpruefung/Materials Testing, 2010, 52, 470-475.	2.2	0
155	Selected Pseudomonas putida Strains Able To Grow in the Presence of High Butanol Concentrations. Applied and Environmental Microbiology, 2009, 75, 4653-4656.	3.1	126
156	Microbial biofilms: a concept for industrial catalysis?. Trends in Biotechnology, 2009, 27, 636-643.	9.3	191
157	Productive Asymmetric Styrene Epoxidation Based on a Next Generation Electroenzymatic Methodology. Advanced Synthesis and Catalysis, 2009, 351, 2505-2515.	4.3	38
158	Single cell analysis reveals unexpected growth phenotype of S. cerevisiae. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 130-139.	1.5	25
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