

Andreas Liese

List of Publications by Year in descending order

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195
papers

6,487
citations

61984

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82547

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238
docs citations

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times ranked

5267
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#	ARTICLE	IF	CITATIONS
1	Tropical agroindustrial biowaste revalorization through integrative biorefineries—review part II: pineapple, sugarcane and banana by-products in Costa Rica. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4391-4418.	4.6	8
2	Tropical agroindustrial biowaste revalorization through integrative biorefineries—review part I: coffee and palm oil by-products. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 1469-1487.	4.6	13
3	Process Intensification as Game Changer in Enzyme Catalysis. <i>Frontiers in Catalysis</i> , 2022, 2, .	3.9	19
4	Enhanced CO ₂ fixation in the biocatalytic carboxylation of resorcinol: Utilization of amines for amine scrubbing and in situ product precipitation. <i>Biochemical Engineering Journal</i> , 2021, 166, 107825.	3.6	9
5	Comparative investigation of fine bubble and macrobubble aeration on gas utility and biotransformation productivity. <i>Biotechnology and Bioengineering</i> , 2021, 118, 130-141.	3.3	18
6	Microbubble enhanced mass transfer efficiency of CO ₂ capture utilizing aqueous triethanolamine for enzymatic resorcinol carboxylation. <i>RSC Advances</i> , 2021, 11, 4087-4096.	3.6	18
7	Multi-enzyme cascade reaction in a miniplant two-phase system: Model validation and mathematical optimization. <i>AIChE Journal</i> , 2021, 67, e17158.	3.6	10
8	Enzyme Cascade Reaction Monitoring and Control. , 2021, , 141-163.		0
9	Evaluation of process integration for the intensification of a biotechnological process. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 167, 108506.	3.6	7
10	Structure-Performance Guided Design of Sustainable Plasticizers from Biorenewable Feedstocks. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 6086-6096.	2.4	5
11	In situ monitoring of the biocatalysed partial hydrolysis of cocoa butter and palm oil fraction. <i>International Journal of Food Science and Technology</i> , 2020, 55, 1265-1271.	2.7	5
12	Influence of pressure and dispersant on oil biodegradation by a newly isolated <i>Rhodococcus</i> strain from deep-sea sediments of the gulf of Mexico. <i>Marine Pollution Bulletin</i> , 2020, 150, 110683.	5.0	25
13	Fatty alcohol synthesis from fatty acids at mild temperature by subsequent enzymatic esterification and metal-catalyzed hydrogenation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7862-7867.	2.8	2
14	Towards bio-based plasticizers with reduced toxicity: Synthesis and performance testing of a 3-methylphthalate. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100319.	3.3	5
15	A Multi-Enzyme Cascade for the Production of High-Value Aromatic Compounds. <i>Catalysts</i> , 2020, 10, 1216.	3.5	12
16	30 Jahre sichere Gentechnik in Deutschland. <i>Angewandte Chemie</i> , 2020, 132, 13772-13773.	2.0	0
17	Countercurrently Operated Reactive Extractor with an Additively Manufactured Enzyme Carrier Structure. <i>Organic Process Research and Development</i> , 2020, 24, 1621-1628.	2.7	8
18	Biocatalytic oxyfunctionalization of butane in a bubble-column reactor. <i>Chemie-Ingenieur-Technik</i> , 2020, 92, 1211-1211.	0.8	0

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19	Enzymatic Oxidation of Butane to 2-Butanol in a Bubble Column. <i>ChemCatChem</i> , 2020, 12, 3666-3669.	3.7	13
20	FTIR based kinetic characterisation of an acid-catalysed esterification of 3-methylphthalic anhydride and 2-ethylhexanol. <i>Analytical Methods</i> , 2020, 12, 3137-3144.	2.7	4
21	Influence of oil, dispersant, and pressure on microbial communities from the Gulf of Mexico. <i>Scientific Reports</i> , 2020, 10, 7079.	3.3	15
22	30 Years of Safe Genetic Engineering in Germany. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13668-13669.	13.8	0
23	Fermentative oxidation of butane in bubble column reactors. <i>Biochemical Engineering Journal</i> , 2020, 155, 107486.	3.6	4
24	Enzyme Immobilization on Synthesized Nanoporous Silica Particles and their Application in a Biocatalytic Reaction. <i>ChemCatChem</i> , 2020, 12, 2245-2252.	3.7	21
25	Biocatalyst Immobilization by Anchor Peptides on an Additively Manufacturable Material. <i>Organic Process Research and Development</i> , 2019, 23, 1852-1859.	2.7	28
26	Determination of trace amounts with ATR FTIR spectroscopy and chemometrics: 5-(hydroxymethyl)furfural in honey. <i>Talanta</i> , 2019, 204, 1-5.	5.5	20
27	Product recovery of an enzymatically synthesized (S)-menthol ester in a deep eutectic solvent. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1385-1389.	3.4	19
28	Deep Eutectic Solvents as Efficient Solvents in Biocatalysis. <i>Trends in Biotechnology</i> , 2019, 37, 943-959.	9.3	262
29	Optimization of solvent-free enzymatic esterification in eutectic substrate reaction mixture. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 22, e00333.	4.4	21
30	Fine Bubble-based CO ₂ Capture Mediated by Triethanolamine Coupled to Whole Cell Biotransformation. <i>Chemie-Ingenieur-Technik</i> , 2019, 91, 1822-1826.	0.8	7
31	Mechanistic and kinetics elucidation of Mg ²⁺ /ATP molar ratio effect on glycerol kinase. <i>Molecular Catalysis</i> , 2018, 445, 36-42.	2.0	6
32	Synthesis of (-)-menthol fatty acid esters in and from (-)-menthol and fatty acids – novel concept for lipase catalyzed esterification based on eutectic solvents. <i>Molecular Catalysis</i> , 2018, 458, 67-72.	2.0	57
33	Enzymkinetik. , 2018, , 53-75.		1
34	Enzymreaktoren und Prozessführung. , 2018, , 77-101.		0
35	Kinetic insights into ϵ -caprolactone synthesis: Improvement of an enzymatic cascade reaction. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1215-1221.	3.3	50
36	An alternative approach towards poly(ϵ -caprolactone through a chemoenzymatic synthesis: combined hydrogenation, bio-oxidations and polymerization without the isolation of intermediates. <i>Green Chemistry</i> , 2017, 19, 1286-1290.	9.0	37

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37	Enzymatic resolution of an amine under solvent-free conditions with diethyl malonate as reagent for acylation. <i>Sustainable Chemistry and Pharmacy</i> , 2017, 5, 42-45.	3.3	9
38	Biocatalytic Phosphorylations of Metabolites: Past, Present, and Future. <i>Trends in Biotechnology</i> , 2017, 35, 452-465.	9.3	44
39	Simultaneous local determination of mass transfer and residence time distributions in organic multiphase systems. <i>Chemical Engineering Journal</i> , 2017, 321, 635-641.	12.7	0
40	<i>In Situ</i> Separation of the Chiral Target Compound (<i>S</i>)-2-Pentanol in Biocatalytic Reactive Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6451-6461.	3.7	7
41	Reaction engineering of biocatalytic (<i>S</i>)-naproxen synthesis integrating in-line process monitoring by Raman spectroscopy. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 531-540.	3.7	12
42	Development and Scaling-Up of the Fragrance Compound 4-Ethylguaiacol Synthesis via a Two-Step Chemo-Enzymatic Reaction Sequence. <i>Organic Process Research and Development</i> , 2017, 21, 85-93.	2.7	36
43	Bioreaction Engineering Leading to Efficient Synthesis of L-Glyceraldehyde-3-Phosphate. <i>Biotechnology Journal</i> , 2017, 12, 1600625.	3.5	9
44	Investigation of a green process for the polymerization of catechin. <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 918-924.	1.9	22
45	Amine-Mediated Enzymatic Carboxylation of Phenols Using CO ₂ as Substrate Increases Equilibrium Conversions and Reaction Rates. <i>Biotechnology Journal</i> , 2017, 12, 1700332.	3.5	14
46	Enzyme- and Metal-Catalyzed Synthesis of a New Biobased Polyester. <i>Organic Process Research and Development</i> , 2017, 21, 1245-1252.	2.7	5
47	Improvement of the Process Stability of Arylmalonate Decarboxylase by Immobilization for Biocatalytic Profen Synthesis. <i>Frontiers in Microbiology</i> , 2017, 8, 448.	3.5	18
48	Highly Effective Inhibition of Biofilm Formation by the First Metagenome-Derived AI-2 Quenching Enzyme. <i>Frontiers in Microbiology</i> , 2016, 7, 1098.	3.5	50
49	8th International Congress on Biocatalysis (Biocat2016), Hamburg, Germany, 28 August–1 September, 2016. <i>Catalysts</i> , 2016, 6, 160.	3.5	0
50	A Fed-Batch Synthetic Strategy for a Three-Step Enzymatic Synthesis of Poly-ε-caprolactone. <i>ChemCatChem</i> , 2016, 8, 3446-3452.	3.7	50
51	In situ production and renewal of biocatalytic coatings for use in enzymatic reactive distillation. <i>Chemical Engineering Journal</i> , 2016, 306, 992-1000.	12.7	14
52	Process Characterization Studies for Solvent-Free Simultaneous Epoxidation and Transesterification of Fatty Acid Methyl Esters. <i>Organic Process Research and Development</i> , 2016, 20, 1930-1936.	2.7	12
53	Evaluation of the Substrate Scope of Benzoic Acid (De)carboxylases According to Chemical and Biochemical Parameters. <i>ChemBioChem</i> , 2016, 17, 1845-1850.	2.6	11
54	Process development for oxidations of hydrophobic compounds applying cytochrome P450 monooxygenases in-vitro. <i>Journal of Biotechnology</i> , 2016, 233, 143-150.	3.8	21

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55	Ortsaufgelängste Analytik in der enzymkatalysierten Reaktivrektifikation. Chemie-Ingenieur-Technik, 2016, 88, 1296-1296.	0.8	0
56	Deep Eutectic Solvents als neuartige Reaktionsmedien in der Biokatalyse. Chemie-Ingenieur-Technik, 2016, 88, 1337-1337.	0.8	0
57	Simultane Reaktion und Produktabtrennung in der Biokatalyse: Enzymatische Reaktivrektifikation zur Synthese chiraler Produkte. Chemie-Ingenieur-Technik, 2016, 88, 1329-1330.	0.8	0
58	Prozessentwicklung und Charakterisierung einer fermentativen Oxidation kurzkettiger Alkane. Chemie-Ingenieur-Technik, 2016, 88, 1250-1250.	0.8	0
59	Arylmalonate Decarboxylaseâ€Catalyzed Asymmetric Synthesis of Both Enantiomers of Optically Pure Flurbiprofen. ChemCatChem, 2016, 8, 916-921.	3.7	24
60	The role of phase behavior in the enzyme catalyzed synthesis of glycerol monolaurate. RSC Advances, 2016, 6, 32422-32429.	3.6	12
61	One-pot enzymatic reaction sequence for the syntheses of d-glyceraldehyde 3-phosphate and l-glycerol 3-phosphate. Journal of Molecular Catalysis B: Enzymatic, 2016, 124, 77-82.	1.8	8
62	Original enzyme-catalyzed synthesis of chalcones: Utilization of hydrolase promiscuity. Journal of the Serbian Chemical Society, 2016, 81, 1231-1237.	0.8	3
63	Lipaseâ€Catalyzed synthesis of glucoseâ€C6â€C<i>O</i></i>â€C<i>Hexanoate in deep eutectic solvents. European Journal of Lipid Science and Technology, 2015, 117, 161-166.	1.5	68
64	Biocatalytic Access to Chiral Polyesters by an Artificial Enzyme Cascade Synthesis. ChemCatChem, 2015, 7, 3951-3955.	3.7	47
65	Biocatalytic carboxylation of phenol derivatives: kinetics and thermodynamics of the biological Kolbeâ€CSchmitt synthesis. FEBS Journal, 2015, 282, 1334-1345.	4.7	35
66	Reversibility of asymmetric catalyzed Câ€C bond formation by benzoylformate decarboxylase. Catalysis Science and Technology, 2015, 5, 2418-2426.	4.1	3
67	An Enzyme Cascade Synthesis of Îµâ€Ccaprolactone and its Oligomers. Angewandte Chemie - International Edition, 2015, 54, 2784-2787.	13.8	175
68	Eine Enzymkaskade zur Synthese von Îµâ€Ccaprolacton und dessen Oligomeren. Angewandte Chemie, 2015, 127, 2825-2828.	2.0	31
69	Enzymatic Reactive Distillation: Kinetic Resolution of <i>rac</i>-2-Pentanol with Biocatalytic Coatings on Structured Packings. Industrial & Engineering Chemistry Research, 2015, 54, 9458-9467.	3.7	21
70	Single-Pot Enzymatic Reaction Sequence for the Synthesis of D-Glyceraldehyde-3-Phosphate. Chemie-Ingenieur-Technik, 2014, 86, 1424-1424.	0.8	1
71	Steuerung der Reaktionsselektivität von Biotransformationen mittels Online-FTIR-Analytik. Chemie-Ingenieur-Technik, 2014, 86, 1583-1584.	0.8	0
72	<i>Pseudomonas aeruginosa</i> Biofilm Growth Inhibition on Medical Plastic Materials by Immobilized Esterases and Acylase. ChemBioChem, 2014, 15, 1911-1919.	2.6	13

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73	Novel 1/4-membrane module for online determination of the free fatty acid content in the dispersed phase of oil-in-water emulsions. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3157-3166.	3.7	4
74	Strategies for reliable and improved large-scale production of <i>Pyrococcus furiosus</i> with integrated purification of hydrogenase I. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 2475-2482.	3.4	2
75	<i>Bioprocess Development.</i> , 2014, , 549-562.		0
76	In Situ Microscopy for In-line Monitoring of the Enzymatic Hydrolysis of Cellulose. <i>Analytical Chemistry</i> , 2013, 85, 8121-8126.	6.5	13
77	Influence of the Reactor Configuration on the Enantioselectivity of a Kinetic Resolution. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 826-832.	0.8	3
78	A chemo-enzymatic route to synthesize (S)- γ -valerolactone from levulinic acid. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3865-3873.	3.6	31
79	Development of a Continuously Operating Process for the Enantioselective Synthesis of a β -Amino Acid Ester via a Solvent-Free Chemoenzymatic Reaction Sequence. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2391-2399.	4.3	19
80	Chemical Absorption of CO ₂ in Helically Wound Hollow Fiber Membrane Contactors. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 476-483.	0.8	6
81	Die Zukunft liegt in der interdisziplinären Forschung und Entwicklung. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 771-771.	0.8	0
82	Evaluation of immobilized enzymes for industrial applications. <i>Chemical Society Reviews</i> , 2013, 42, 6236.	38.1	555
83	Immobilization of glucose 6-phosphate dehydrogenase in silica-based hydrogels: A comparative study. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 220-228.	1.8	25
84	Online-Analyse von enzymatischen Polykondensationsreaktionen in Blasensäulenreaktoren mittels ATR-FTIR-Spektroskopie. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 1016-1022.	0.8	6
85	Computational biotechnology: Prediction of competitive substrate inhibition of enzymes by buffer compounds with protein-ligand docking. <i>Journal of Biotechnology</i> , 2012, 161, 391-401.	3.8	15
86	Blasenfreie Begasung von Bioreaktoren: Erhöhung von Sauerstofftransferaten durch Dean-Wirbel. <i>Chemie-Ingenieur-Technik</i> , 2012, 84, 1213-1213.	0.8	0
87	Integration of Enzymatic Catalysts in a Reactive Distillation Column with Structured Packings. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11482-11489.	3.7	33
88	Generation of Dean vortices and enhancement of oxygen transfer rates in membrane contactors for different hollow fiber geometries. <i>Journal of Membrane Science</i> , 2012, 423-424, 342-347.	8.2	37
89	Kinetic investigation of a solvent-free, chemoenzymatic reaction sequence towards enantioselective synthesis of a β -amino acid ester. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1479-1489.	3.3	29
90	Kontinuierliche Produktion von Alkoholen mit Alkoholdehydrogenase und selektive Produktadsorption auf einer Festphase aus Aluminiumoxid. <i>Chemie-Ingenieur-Technik</i> , 2012, 84, 1330-1330.	0.8	0

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91	The Metagenome-Derived Enzymes LipS and LipT Increase the Diversity of Known Lipases. PLoS ONE, 2012, 7, e47665.	2.5	72
92	Simultaneous Determination of Mono-, Di-, and Triglycerides in Multiphase Systems by Online Fourier Transform Infrared Spectroscopy. Analytical Chemistry, 2011, 83, 9321-9327.	6.5	31
93	Coupled chemo(enzymatic) reactions in continuous flow. Beilstein Journal of Organic Chemistry, 2011, 7, 1449-1467.	2.2	78
94	Immobilization and characterization of benzoylformate decarboxylase from <i>Pseudomonas putida</i> on spherical silica carrier. Bioprocess and Biosystems Engineering, 2011, 34, 671-680.	3.4	6
95	Dissolving carbon dioxide in high viscous substrates to accelerate biocatalytic reactions. Biotechnology and Bioengineering, 2011, 108, 2765-2769.	3.3	3
96	In Situ Microscopy for Online Monitoring of Enzymatic Processes. Chemical Engineering and Technology, 2011, 34, 837-840.	1.5	10
97	In Situ Microscopy for Online Monitoring of Enzyme Supports and Two-Phase Systems. Chemie-Ingenieur-Technik, 2011, 83, 884-887.	0.8	5
98	Laminar Mixing in Miniature Hollow-Fibre Membrane Reactors by using Secondary Flows (Part 1). Chemie-Ingenieur-Technik, 2011, 83, 1066-1073.	0.8	8
99	Influence of reaction conditions on the enantioselectivity of biocatalyzed C-C bond formations under high pressure conditions. Journal of Biotechnology, 2011, 152, 87-92.	3.8	19
100	Enzymatische Prozesse. , 2011, , 427-476.		1
101	Enzymkinetik. , 2011, , 67-97.		0
102	Biocatalysis: The Outcast. ChemCatChem, 2010, 2, 103-107.	3.7	34
103	Asymmetric Retro-Henry Reaction Catalyzed by Hydroxynitrile Lyase from <i>Hevea brasiliensis</i> . ChemCatChem, 2010, 2, 981-986.	3.7	30
104	Highlights in Biocatalysis. ChemCatChem, 2010, 2, 879-880.	3.7	10
105	Fluorescence spectroscopy as a novel method for on-line analysis of biocatalytic C-C bond formations. Journal of Molecular Catalysis B: Enzymatic, 2010, 66, 124-129.	1.8	7
106	Konzentrationsbestimmungen in hochviskosen Mehrphasensystemen durch FT-IR und Chemometrie. Chemie-Ingenieur-Technik, 2010, 82, 1427-1427.	0.8	1
107	Integriertes Downstream Processing in der Biokatalyse. Chemie-Ingenieur-Technik, 2010, 82, 1603-1603.	0.8	0
108	Influence of the hydrostatic pressure and pH on the asymmetric α -hydroxyketone formation catalyzed by <i>Pseudomonas putida</i> benzoylformate decarboxylase and variants thereof. Biotechnology and Bioengineering, 2010, 106, 18-26.	3.3	15

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109	Characterization of a whole-cell catalyst co-expressing glycerol dehydrogenase and glucose dehydrogenase and its application in the synthesis of D-glyceraldehyde. <i>Biotechnology and Bioengineering</i> , 2010, 106, 541-552.	3.3	54
110	Kinetic studies of the asymmetric Henry reaction catalyzed by hydroxynitrile lyase from <i>Hevea brasiliensis</i> . <i>Biocatalysis and Biotransformation</i> , 2010, 28, 348-356.	2.0	11
111	Scaleup of Lipase-Catalyzed Polyester Synthesis. <i>Organic Process Research and Development</i> , 2010, 14, 1118-1124.	2.7	38
112	Online Monitoring of Biotransformations in High Viscous Multiphase Systems by Means of FT-IR and Chemometrics. <i>Analytical Chemistry</i> , 2010, 82, 6008-6014.	6.5	26
113	Synthesis of a Novel Unsymmetrical Bisoxazoline Ligand with sp ² Bridging Carbon. <i>Synlett</i> , 2009, 2009, 2589-2592.	1.8	2
114	Asymmetric synthesis of chiral 2-hydroxy ketones by coupled biocatalytic alkene oxidation and C-C bond formation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 61, 111-116.	1.8	17
115	Online-FTIR zur Kinetikbestimmung und Prozesskontrolle von Biotransformationen in Mehrphasensystemen. <i>Chemie-Ingenieur-Technik</i> , 2009, 81, 1101-1101.	0.8	0
116	DBU-Stipendenschwerpunkt: Nachhaltige Bioprozesse. <i>Chemie-Ingenieur-Technik</i> , 2009, 81, 1303-1304.	0.8	0
117	Characterisation of a Recombinant NADP-Dependent Glycerol Dehydrogenase from <i>Gluconobacter oxydans</i> and its Application in the Production of D-Glyceraldehyde. <i>ChemBioChem</i> , 2009, 10, 1888-1896.	2.6	41
118	Chemically and enzymatically catalyzed synthesis of C6-C10alkyl benzoates. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 194-201.	1.5	15
119	Structural and Kinetic Studies on Native Intermediates and an Intermediate Analogue in Benzoylformate Decarboxylase Reveal a Least Motion Mechanism with an Unprecedented Short-Lived Predecarboxylation Intermediate. <i>Biochemistry</i> , 2009, 48, 3258-3268.	2.5	31
120	Practical application of different enzymes immobilized on sepabeads. <i>Bioprocess and Biosystems Engineering</i> , 2008, 31, 163-171.	3.4	71
121	Chemoenzymatic synthesis of the chiral side-chain of statins: application of an alcohol dehydrogenase catalysed ketone reduction on a large scale. <i>Bioprocess and Biosystems Engineering</i> , 2008, 31, 183-191.	3.4	53
122	Polyglycerol-Supported Co- and Mn-Salen Complexes as Efficient and Recyclable Homogeneous Catalysts for the Hydrolytic Kinetic Resolution of Terminal Epoxides and Asymmetric Olefin Epoxidation. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2135-2141.	2.4	44
123	Enantioselective C-C Bond Ligation Using Recombinant <i>Escherichia coli</i> -Whole-Cell Biocatalysts. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 165-173.	4.3	39
124	Continuous Application of Polyglycerol-Supported Salen in a Membrane Reactor: Asymmetric Epoxidation of 6-Cyano-2,2-dimethylchromene. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 919-925.	4.3	29
125	Chemometric modelling for process analyzers using just a single calibration sample. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 94, 118-122.	3.5	11
126	Novel immobilization routes for the covalent binding of an alcohol dehydrogenase from <i>Rhodococcus ruber</i> DSM 44541. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1171-1173.	1.8	31

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127	Reactor Concept for Lipase-Catalyzed Solvent-Free Conversion of Highly Viscous Reactants Forming Two-Phase Systems. <i>Organic Process Research and Development</i> , 2008, 12, 618-625.	2.7	103
128	Evaluation of the Laccase from <i>Myceliophthora thermophila</i> as Industrial Biocatalyst for Polymerization Reactions. <i>Macromolecules</i> , 2008, 41, 8520-8524.	4.8	52
129	Building Blocks. , 2007, 105, 133-173.		17
130	Continuous asymmetric ketone reduction processes with recombinant <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2007, 132, 438-444.	3.8	57
131	Technische Anwendung von Enzymen: Weiße Wäsche und Grüne Chemie. <i>Chemie in Unserer Zeit</i> , 2007, 41, 324-333.	0.1	3
132	Process development for the electroenzymatic synthesis of (R)-methylphenylsulfoxide by use of a 3-dimensional electrode. <i>Biotechnology and Bioengineering</i> , 2007, 98, 525-534.	3.3	54
133	Biocatalytic ketone reduction—a powerful tool for the production of chiral alcohols—part I: processes with isolated enzymes. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 237-248.	3.6	301
134	Biocatalytic ketone reduction—a powerful tool for the production of chiral alcohols—part II: whole-cell reductions. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 249-255.	3.6	207
135	Reaction Engineering of Benzaldehyde Lyase from <i>Pseudomonas fluorescens</i> Catalyzing Enantioselective C—C Bond Formation. <i>Organic Process Research and Development</i> , 2006, 10, 1172-1177.	2.7	49
136	The utilization of renewable resources in German industrial production. <i>Biotechnology Journal</i> , 2006, 1, 770-776.	3.5	26
137	Synthesis of enantiopure (5R)-hydroxyhexane-2-one with immobilised whole cells of <i>Lactobacillus kefir</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 289-293.	3.6	22
138	Preparative enantioselective synthesis of benzoin and (R)-2-hydroxy-1-phenylpropanone using benzaldehyde lyase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 38, 43-47.	1.8	57
139	Continuous Homogeneous Asymmetric Transfer Hydrogenation of Ketones: Lessons from Kinetics. <i>Chemistry - A European Journal</i> , 2006, 12, 1818-1823.	3.3	20
140	Overcoming the thermodynamic limitation in asymmetric hydrogen transfer reactions catalyzed by whole cells. <i>Biotechnology and Bioengineering</i> , 2006, 95, 192-198.	3.3	63
141	Polyglycerol-Supported Chromium-Salen as a High-Loading Dendritic Catalyst for Stereoselective Diels—Alder Reactions. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1760-1771.	4.3	29
142	History of Industrial Biotransformations - Dreams and Realities. , 2006, , 1-36.		29
143	Continuous Asymmetric Hydrogenation. , 2006, , 111-124.		8
144	Technische Chemie 2004. <i>Nachrichten Aus Der Chemie</i> , 2005, 53, 312-316.	0.0	4

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145	Activity and stability of <i>Caldariomyces fumago</i> chloroperoxidase modified by reductive alkylation, amidation and cross-linking. <i>Enzyme and Microbial Technology</i> , 2005, 37, 582-588.	3.2	26
146	Technical Application of Biological Principles in Asymmetric Catalysis. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2005, 92, 197-224.	1.1	8
147	Biotechnological applications of hydrogenases. <i>Current Opinion in Biotechnology</i> , 2004, 15, 343-348.	6.6	108
148	Immobilization of benzaldehyde lyase and its application as a heterogeneous catalyst in the continuous synthesis of a chiral 2-hydroxy ketone. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2955-2958.	1.8	33
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