Sabine L Flitsch

List of Publications by Year
in descending order

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232 papers	8,628 citations	38742 50 h-index	60623 81 g-index
289 all docs	289 docs citations	289 times ranked	7799 citing authors

#	Article	IF	Citations
1	Galactose Oxidase Enables Modular Assembly of Conjugates from Native Antibodies with High Drugâ€toâ€Antibody Ratios**. ChemSusChem, 2022, 15, .	6.8	4
2	New Chemical Tools for Diagnosis and Treatment of Cancer. Jacs Au, 2022, 2, 1018-1019.	7.9	1
3	Oneâ€Step Biocatalytic Synthesis of Sustainable Surfactants by Selective Amide Bond Formation**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	18
4	Oneâ€Step Biocatalytic Synthesis of Sustainable Surfactants by Selective Amide Bond Formation**. Angewandte Chemie, 2022, 134, .	2.0	1
5	Enzymatic elaboration of oxime-linked glycoconjugates in solution and on liposomes. Journal of Materials Chemistry B, 2022, 10, 5016-5027.	5.8	0
6	RetroBioCat as a computer-aided synthesis planning tool for biocatalytic reactions and cascades. Nature Catalysis, 2021, 4, 98-104.	34.4	131
7	A promiscuous glycosyltransferase generates poly-Î²-1,4-glucan derivatives that facilitate mass spectrometry-based detection of cellulolytic enzymes. Organic and Biomolecular Chemistry, 2021, 19, 5529-5533.	2.8	6
8	Enzymkatalysierte spÃte Modifizierungen: Besser spÃt als nie. Angewandte Chemie, 2021, 133, 16962-16993.	2.0	11
9	Enzymatic Lateâ€Stage Modifications: Better Late Than Never. Angewandte Chemie - International Edition, 2021, 60, 16824-16855.	13.8	75
10	Rapid Screening of Diverse Biotransformations for Enzyme Evolution. Jacs Au, 2021, 1, 508-516.	7.9	13
11	Development of Continuous Flow Systems to Access Secondary Amines Through Previously Incompatible Biocatalytic Cascades**. Angewandte Chemie - International Edition, 2021, 60, 18660-18665.	13.8	44
12	Development of Continuous Flow Systems to Access Secondary Amines Through Previously Incompatible Biocatalytic Cascades**. Angewandte Chemie, 2021, 133, 18808-18813.	2.0	3
13	Selective Inhibition of Heparan Sulphate and Not Chondroitin Sulphate Biosynthesis by a Small, Soluble Competitive Inhibitor. International Journal of Molecular Sciences, 2021, 22, 6988.	4.1	4
14	Biocatalysis. Nature Reviews Methods Primers, 2021, 1, .	21.2	255
15	RÃ¼cktitelbild: Development of Continuous Flow Systems to Access Secondary Amines Through Previously Incompatible Biocatalytic Cascades (Angew. Chem. 34/2021). Angewandte Chemie, 2021, 133, 19040-19040.	2.0	0
16	Titelbild: Enzymkatalysierte spÃte Modifizierungen: Besser spÃt als nie (Angew. Chem. 31/2021). Angewandte Chemie, 2021, 133, 16853-16853.	2.0	1
17	Enzyme Cascade Design: Retrosynthesis Approach. , 2021, , 7-30.		1
18	Exploiting the Disialyl Galactose Activity of Î±2,6-Sialyltransferase from Photobacterium damselae To Generate a Highly Sialylated Recombinant Î±-1-Antitrypsin. Biochemistry, 2020, 59, 3123-3128.	2.5	8

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19	Biâ€enzymatic Conversion of Cinnamic Acids to 2â€Arylethylamines. ChemCatChem, 2020, 12, 995-998.	3.7	4
20	Application of bio-based solvents for biocatalysed synthesis of amides with Pseudomonas stutzeri lipase (PSL). Pure and Applied Chemistry, 2020, 92, 579-586.	1.9	3
21	An Enzymatic Nâ€Acylation Step Enables the Biocatalytic Synthesis of Unnatural Sialosides. Angewandte Chemie, 2020, 132, 5346-5349.	2.0	5
22	An Enzymatic Nâ€Acylation Step Enables the Biocatalytic Synthesis of Unnatural Sialosides. Angewandte Chemie - International Edition, 2020, 59, 5308-5311.	13.8	8
23	Enzyme promiscuity of carbohydrate active enzymes and their applications in biocatalysis. Current Opinion in Structural Biology, 2020, 65, 184-192.	5.7	21
24	Automated glycan assembly of Streptococcus pneumoniae type 14 capsular polysaccharide fragments. RSC Advances, 2020, 10, 23668-23674.	3.6	9
25	Biocatalytic Transfer of Pseudaminic Acid (Pse5Ac7Ac) Using Promiscuous Sialyltransferases in a Chemoenzymatic Approach to Pse5Ac7Ac-Containing Glycosides. ACS Catalysis, 2020, 10, 9986-9993.	11.2	10
26	Biocatalytic Monoacylation of Symmetrical Diamines and Its Application to the Synthesis of Pharmaceutically Relevant Amides. ACS Catalysis, 2020, 10, 10005-10009.	11.2	33
27	Enzymatic Buildingâ€Block Synthesis for Solidâ€Phase Automated Glycan Assembly. Angewandte Chemie - International Edition, 2020, 59, 22456-22459.	13.8	6
28	Enzymatic Buildingâ€Block Synthesis for Solidâ€Phase Automated Glycan Assembly. Angewandte Chemie, 2020, 132, 22642-22645.	2.0	2
29	Introduction to Glycosylation: new methodologies and applications. Organic and Biomolecular Chemistry, 2020, 18, 6979-6982.	2.8	6
30	Utility of Ion-Mobility Spectrometry for Deducing Branching of Multiply Charged Glycans and Glycopeptides in a High-Throughput Positive ion LC-FLR-IMS-MS Workflow. Analytical Chemistry, 2020, 92, 15323-15335.	6.5	30
31	Synthesis of protected 3-aminopiperidine and 3-aminoazepane derivatives using enzyme cascades. Chemical Communications, 2020, 56, 7949-7952.	4.1	13
32	A versatile route to edge-specific modifications to pristine graphene by electrophilic aromatic substitution. Journal of Materials Science, 2020, 55, 10284-10302.	3.7	8
33	Profiling Substrate Promiscuity of Wild-Type Sugar Kinases for Multi-fluorinated Monosaccharides. Cell Chemical Biology, 2020, 27, 1199-1206.e5.	5.2	15
34	Innentitelbild: An Enzymatic Nâ€Acylation Step Enables the Biocatalytic Synthesis of Unnatural Sialosides (Angew. Chem. 13/2020). Angewandte Chemie, 2020, 132, 5006-5006.	2.0	0
35	Mass spectrometry hybridized with gas-phase InfraRed spectroscopy for glycan sequencing. Current Opinion in Structural Biology, 2020, 62, 121-131.	5.7	18
36	Chemoenzymatic synthesis of 3-deoxy-3-fluoro-<scp>l</scp>-fucose and its enzymatic incorporation into glycoconjugates. Chemical Communications, 2020, 56, 6408-6411.	4.1	8

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37	Biochemical characterisation of an Î±1,4 galactosyltransferase from Neisseria weaveri for the synthesis of Î±1,4-linked galactosides. Organic and Biomolecular Chemistry, 2020, 18, 3142-3148.	2.8	7
38	Natural heterogeneous catalysis with immobilised oxidase biocatalysts. RSC Advances, 2020, 10, 19501-19505.	3.6	16
39	Advancing Solutions to the Carbohydrate Sequencing Challenge. Journal of the American Chemical Society, 2019, 141, 14463-14479.	13.7	108
40	Selective Oxidation of N-Glycolylneuraminic Acid Using an Engineered Galactose Oxidase Variant. ACS Catalysis, 2019, 9, 8208-8212.	11.2	16
41	High-throughput chemical and chemoenzymatic approaches to saccharide-coated magnetic nanoparticles for MRI. Nanoscale Advances, 2019, 1, 3597-3606.	4.6	6
42	The characterisation of a galactokinase from Streptomyces coelicolor. Carbohydrate Research, 2019, 472, 132-137.	2.3	8
43	Enzymatic synthesis of N-acetyllactosamine from lactose enabled by recombinant Î²1,4-galactosyltransferases. Organic and Biomolecular Chemistry, 2019, 17, 5920-5924.	2.8	14
44	Glyco-enzymatic cascades get protection. Nature Catalysis, 2019, 2, 479-480.	34.4	2
45	Remote control with engineered enzymes. Science, 2019, 364, 529-529.	12.6	1
46	Enzymatic Synthesis of Trideuterated Sialosides. Molecules, 2019, 24, 1368.	3.8	5
47	Regioâ€•and Enantioâ€sselective Chemoâ€enzymatic Câ^'Hâ€Lactonization of Decanoic Acid to (S)â€Îâ€Decalactone. Angewandte Chemie - International Edition, 2019, 58, 5668-5671.	13.8	50
48	Regioâ€•and Enantioâ€sselective Chemoâ€enzymatic Câ^'Hâ€Lactonization of Decanoic Acid to (S)â€Îâ€Decalactone. Angewandte Chemie, 2019, 131, 5724-5727.	2.0	8
49	Eeyarestatin Compounds Selectively Enhance Sec61-Mediated Ca2+ Leakage from the Endoplasmic Reticulum. Cell Chemical Biology, 2019, 26, 571-583.e6.	5.2	42
50	Biocatalytic Oxidation in Continuous Flow for the Generation of Carbohydrate Dialdehydes. ACS Catalysis, 2019, 9, 11658-11662.	11.2	36
51	Cloning, expression and characterisation of P450-Hal1 (CYP116B62) from Halomonas sp. NCIMB 172: A self-sufficient P450 with high expression and diverse substrate scope. Enzyme and Microbial Technology, 2018, 113, 1-8.	3.2	15
52	Engineered Ammonia Lyases for the Production of Challenging Electron-Rich <scp>l</scp>-Phenylalanines. ACS Catalysis, 2018, 8, 3129-3132.	11.2	32
53	â€˜One-potâ€™ sequential enzymatic modification of synthetic glycolipids in vesicle membranes. Chemical Communications, 2018, 54, 1347-1350.	4.1	12
54	Applications of a highly Î±2,6-selective pseudosialidase. Glycobiology, 2018, 28, 261-268.	2.5	12

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55	Panel of New Thermostable CYP116B Selfâ€Sufficient Cytochromeâ€…P450 Monooxygenases that Catalyze Câ^'H Activation with a Diverse Substrate Scope. ChemCatChem, 2018, 10, 1042-1051.	3.7	37
56	Characterisation of CYP102A25 from Bacillus marmarensis and CYP102A26 from Pontibacillus halophilus: P450 Homologues of BM3 with Preference towards Hydroxylation of Mediumâ€Chain Fatty Acids. ChemBioChem, 2018, 19, 513-520.	2.6	8
57	Characterisation of a Bacterial Galactokinase with High Activity and Broad Substrate Tolerance for Chemoenzymatic Synthesis of 6â€Aminogalactoseâ€1â€Phosphate and Analogues. ChemBioChem, 2018, 19, 388-394.	2.6	18
58	The crystal structure of P450-TT heme-domain provides the first structural insights into the versatile class VII P450s. Biochemical and Biophysical Research Communications, 2018, 501, 846-850.	2.1	13
59	UDP-Glucose 4-Epimerase and Î²-1,4-Galactosyltransferase from the Oyster Magallana gigas as Valuable Biocatalysts for the Production of Galactosylated Products. International Journal of Molecular Sciences, 2018, 19, 1600.	4.1	7
60	Methods for the High Resolution Analysis of Glycoconjugates. , 2018, , 225-267.		2
61	The selfâ€sufficient P450 RhF expressed in a whole cell system selectively catalyses the 5â€hydroxylation of diclofenac. Biotechnology Journal, 2017, 12, 1600520.	3.5	29
62	Real-Time Screening of Biocatalysts in Live Bacterial Colonies. Journal of the American Chemical Society, 2017, 139, 1408-1411.	13.7	48
63	Application of Biocatalysis to onâ€DNA Carbohydrate Library Synthesis. ChemBioChem, 2017, 18, 858-863.	2.6	60
64	Application of carbohydrate arrays coupled with mass spectrometry to detect activity of plant-polysaccharide degradative enzymes from the fungus Aspergillus niger. Scientific Reports, 2017, 7, 43117.	3.3	15
65	IRMPD Spectroscopy Sheds New (Infrared) Light on the Sulfate Pattern of Carbohydrates. Journal of Physical Chemistry A, 2017, 121, 2114-2120.	2.5	49
66	A Bifunctional Spin Label for Ligand Recognition on Surfaces. Angewandte Chemie - International Edition, 2017, 56, 9449-9453.	13.8	8
67	A Bifunctional Spin Label for Ligand Recognition on Surfaces. Angewandte Chemie, 2017, 129, 9577-9581.	2.0	1
68	Bottom-Up Elucidation of Glycosidic Bond Stereochemistry. Analytical Chemistry, 2017, 89, 4540-4549.	6.5	64
69	Enzyme Cascades in Whole Cells for the Synthesis of Chiral Cyclic Amines. ACS Catalysis, 2017, 7, 2920-2925.	11.2	75
70	Label-Free Discovery Array Platform for the Characterization of Glycan Binding Proteins and Glycoproteins. Analytical Chemistry, 2017, 89, 4444-4451.	6.5	19
71	Constructing Biocatalytic Cascades: In Vitro and in Vivo Approaches to de Novo Multi-Enzyme Pathways. ACS Catalysis, 2017, 7, 710-724.	11.2	322
72	Anomeric memory of the glycosidic bond upon fragmentation and its consequences for carbohydrate sequencing. Nature Communications, 2017, 8, 973.	12.8	103

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73	Adenylation Activity of Carboxylic Acid Reductases Enables the Synthesis of Amides. Angewandte Chemie - International Edition, 2017, 56, 14498-14501.	13.8	74
74	Adenylation Activity of Carboxylic Acid Reductases Enables the Synthesis of Amides. Angewandte Chemie, 2017, 129, 14690-14693.	2.0	25
75	Discovery and Biochemical Characterization of a Thermostable Glucose-1-phosphate Nucleotidyltransferase from Thermodesulfatator indicus. Protein and Peptide Letters, 2017, 24, 729-734.	0.9	5
76	Development of a Solid Phase Array Assay for the Screening of Galactose Oxidase Activity and for Fast Identification of Inhibitors. Protein and Peptide Letters, 2017, 24, 742-746.	0.9	1
77	Wholeâ€Cell Biocatalysts for Stereoselective Câˆ'H Amination Reactions. Angewandte Chemie - International Edition, 2016, 55, 1511-1513.	13.8	85
78	Copperâ€Catalyzed Double Additions and Radical Cyclization Cascades in the Reâ€Engineering of the Antibacterial Pleuromutilin. Chemistry - A European Journal, 2016, 22, 116-119.	3.3	15
79	Innentitelbild: Ganzzellenâ€Biokatalysator fÃ¼r stereoselektive Câ€Hâ€Aminierungen (Angew. Chem. 4/2016). Angewandte Chemie, 2016, 128, 1234-1234.	2.0	0
80	Whole-cell microtiter plate screening assay for terminal hydroxylation of fatty acids by P450s. Chemical Communications, 2016, 52, 6158-6161.	4.1	13
81	Inexpensive and fast pathogenic bacteria screening using field-effect transistors. Biosensors and Bioelectronics, 2016, 85, 103-109.	10.1	33
82	One-Pot Cascade Synthesis of Mono- and Disubstituted Piperidines and Pyrrolidines using Carboxylic Acid Reductase (CAR), Ï‰-Transaminase (Ï‰-TA), and Imine Reductase (IRED) Biocatalysts. ACS Catalysis, 2016, 6, 3753-3759.	11.2	171
83	Fabrication and Application of Isotopically Labelled Gold Arrays for Multiplexed Peptide Analysis. ChemBioChem, 2016, 17, 2007-2011.	2.6	0
84	Synthesis of Enantiomerically Pure Ring-Substituted <scp>l</scp>-Pyridylalanines by Biocatalytic Hydroamination. Organic Letters, 2016, 18, 5468-5471.	4.6	18
85	Ganzzellenâ€Biokatalysator fÃ¼r stereoselektive Câ€Hâ€Aminierungen. Angewandte Chemie, 2016, 128, 1533-1536.	2.0	18
86	Enantioselective Benzylic Hydroxylation Catalysed by P450 Monooxygenases: Characterisation of a P450cam Mutant Library and Molecular Modelling. ChemBioChem, 2016, 17, 426-432.	2.6	29
87	Rapid and sensitive monitoring of biocatalytic reactions using ion mobility mass spectrometry. Analyst, The, 2016, 141, 2351-2355.	3.5	12
88	Active site diversification of P450cam with indole generates catalysts for benzylic oxidation reactions. Beilstein Journal of Organic Chemistry, 2015, 11, 1713-1720.	2.2	15
89	A recycling pathway for cyanogenic glycosides evidenced by the comparative metabolic profiling in three cyanogenic plant species. Biochemical Journal, 2015, 469, 375-389.	3.7	109
90	Biochemical characterisation of the neuraminidase pool of the human gut symbiont Akkermansia muciniphila. Carbohydrate Research, 2015, 415, 60-65.	2.3	62

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91	Chemoenzymatic Synthesis of Optically Purel- andd-Biarylalanines through Biocatalytic Asymmetric Amination and Palladium-Catalyzed Arylation. ACS Catalysis, 2015, 5, 5410-5413.	11.2	67
92	Biological and biochemical properties of two Xenopus laevis N-acetylgalactosaminyltransferases with contrasting roles in embryogenesis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2015, 180, 40-47.	1.6	8
93	Discrimination of epimeric glycans and glycopeptides using IM-MS and its potential for carbohydrate sequencing. Nature Chemistry, 2014, 6, 65-74.	13.6	171
94	Glycosylation Characterization of Human and Porcine Fibrinogen Proteins by Lectin-Binding Biophotonic Microarray Imaging. Analytical Chemistry, 2014, 86, 621-628.	6.5	11
95	Development of new synthetic and analytical tools in glycobiotechnology. New Biotechnology, 2014, 31, S16.	4.4	0
96	2-Pyridylfuran: A New Fluorescent Tag for the Analysis of Carbohydrates. Analytical Chemistry, 2014, 86, 5179-5186.	6.5	24
97	Sialylation of lactosyl lipids in membrane microdomains byT. cruzi trans-sialidase. Organic and Biomolecular Chemistry, 2014, 12, 9272-9278.	2.8	13
98	Substrate promiscuity of cytochrome P450 RhF. Catalysis Science and Technology, 2013, 3, 1490.	4.1	41
99	Enzymatic synthesis of colorimetric substrates to determine Î±-2,3- and Î±-2,6-specific neuraminidase activity. RSC Advances, 2013, 3, 21335.	3.6	11
100	Discovery of Novel Human Aquaporin-1 Blockers. ACS Chemical Biology, 2013, 8, 249-256.	3.4	58
101	Enzymatic reactions on immobilised substrates. Chemical Society Reviews, 2013, 42, 6378.	38.1	79
102	Profiling Glycosyltransferase Activities by Tritium Imaging of Glycan Microarrays. ChemBioChem, 2013, 14, 862-869.	2.6	9
103	Deubiquitinases Regulate the Activity of Caspase-1 and Interleukin-1Î² Secretion via Assembly of the Inflammasome. Journal of Biological Chemistry, 2013, 288, 2721-2733.	3.4	154
104	Inhibition of protein translocation at the endoplasmic reticulum promotes activation of the unfolded protein response. Biochemical Journal, 2012, 442, 639-648.	3.7	32
105	Enzymatic Amine Acyl Exchange in Peptides on Gold Surfaces. Angewandte Chemie - International Edition, 2012, 51, 13016-13018.	13.8	11
106	Oxo-ester mediated native chemical ligation on microarrays: an efficient and chemoselective coupling methodology. Chemical Communications, 2012, 48, 4444.	4.1	24
107	Dual purpose S-trityl-linkers for glycoarray fabrication on both polystyrene and gold. Organic and Biomolecular Chemistry, 2012, 10, 8919.	2.8	14
108	Accelerated Enzymatic Galactosylation of N-Acetylglucosaminolipids in Lipid Microdomains. Journal of the American Chemical Society, 2012, 134, 13010-13017.	13.7	43

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109	Formation of carbohydrate-functionalised polystyrene and glass slides and their analysis by MALDI-TOF MS. Beilstein Journal of Organic Chemistry, 2012, 8, 753-762.	2.2	10
110	Regio- and stereoselective oxidation of unactivated Câ€“H bonds with Rhodococcus rhodochrous. Beilstein Journal of Organic Chemistry, 2012, 8, 496-500.	2.2	6
111	Chemoenzymatic Synthesis of O-Mannosylpeptides in Solution and on Solid Phase. Journal of the American Chemical Society, 2012, 134, 4521-4524.	13.7	68
112	MALDI-ToF MS Analysis of Glycosyltransferase Activities on Gold Surface Arrays. Methods in Molecular Biology, 2012, 808, 269-284.	0.9	10
113	Chemoenzymatic synthesis of sialooligosaccharides on arrays for studies of cell surface adhesion. Chemical Communications, 2011, 47, 5425-5427.	4.1	30
114	Glycoprotein Labeling Using Engineered Variants of Galactose Oxidase Obtained by Directed Evolution. Journal of the American Chemical Society, 2011, 133, 8436-8439.	13.7	105
115	Cytochromes P450 as useful biocatalysts: addressing the limitations. Chemical Communications, 2011, 47, 2490.	4.1	221
116	Heavily fluorinated carbohydrates as enzyme substrates: oxidation of tetrafluorinated galactose by galactose oxidase. Chemical Communications, 2011, 47, 11228.	4.1	30
117	Biocompatible functionalisation of starch. Chemical Communications, 2011, 47, 683-685.	4.1	21
118	Chimeric self-sufficient P450cam-RhFRed biocatalysts with broad substrate scope. Beilstein Journal of Organic Chemistry, 2011, 7, 1494-1498.	2.2	34
119	Eeyarestatin 1 Interferes with Both Retrograde and Anterograde Intracellular Trafficking Pathways. PLoS ONE, 2011, 6, e22713.	2.5	31
120	Biochemical correlation of activity of the Î±-dystroglycan-modifying glycosyltransferase POMGnT1 with mutations in muscle-eye-brain disease. Biochemical Journal, 2011, 436, 447-455.	3.7	18
121	S-linked sugars lost and found. Nature Chemical Biology, 2011, 7, 69-70.	8.0	3
122	Increasing the diversity of biocatalytic reactions. Current Opinion in Chemical Biology, 2011, 15, 185-186.	6.1	4
123	LICRED: A Versatile Dropâ€In Vector for Rapid Generation of Redoxâ€Selfâ€Sufficient Cytochrome P450s. ChemBioChem, 2010, 11, 987-994.	2.6	53
124	Lipase-catalysed acylation of starch and determination of the degree of substitution by methanolysis and GC. BMC Biotechnology, 2010, 10, 82.	3.3	32
125	Highly siteâ€selective stability increases by glycosylation of dihydrofolate reductase. FEBS Journal, 2010, 277, 2171-2179.	4.7	12
126	Preparation of aminoethyl glycosides for glycoconjugation. Beilstein Journal of Organic Chemistry, 2010, 6, 699-703.	2.2	67

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127	The effect of multivalent binding on the lateral phase separation of adhesive lipids. Faraday Discussions, 2010, 145, 219-233.	3.2	12
128	Enzymatic Glycosylations on Arrays. OMICS A Journal of Integrative Biology, 2010, 14, 437-444.	2.0	20
129	Effect of Microwave Radiation on Enzymatic and Chemical Peptide Bond Synthesis on Solid Phase. International Journal of Peptides, 2009, 2009, 1-4.	0.7	3
130	Straightforward Synthesis of 2-Acetamido-2-deoxy-Î²-d-glucopyranosyl Esters under Microwave Conditions. Synlett, 2009, 2009, 3328-3332.	1.8	1
131	Eeyarestatin I inhibits Sec61-mediated protein translocation at the endoplasmic reticulum. Journal of Cell Science, 2009, 122, 4393-4400.	2.0	90
132	In vivo anti-malarial effect of the ÃŸ-amino alcohol 1t on Plasmodium berghei. Parasitology Research, 2009, 104, 1459-1464.	1.6	4
133	Design, Synthesis and Assaying of Potential Aquaporin Inhibitors. Handbook of Experimental Pharmacology, 2009, , 385-402.	1.8	29
134	Engineering and improvement of the efficiency of a chimeric [P450cam-RhFRed reductase domain] enzyme. Chemical Communications, 2009, , 2478.	4.1	56
135	Enzymatic synthesis of peptides on a solid support. Organic and Biomolecular Chemistry, 2009, 7, 665-670.	2.8	13
136	Assessing the cluster glycoside effect during the binding of concanavalin A to mannosylated artificial lipid rafts. Organic and Biomolecular Chemistry, 2009, 7, 5245.	2.8	38
137	Surface plasmon resonance imaging for real-time, label-free analysis of protein interactions with carbohydrate microarrays. Glycoconjugate Journal, 2008, 25, 69-74.	2.7	93
138	Enzymatic Glycosylation of Peptide Arrays on Gold Surfaces. ChemBioChem, 2008, 9, 883-887.	2.6	63
139	A Versatile Gold Surface Approach for Fabrication and Interrogation of Glycoarrays. ChemBioChem, 2008, 9, 1568-1575.	2.6	88
140	SPOT Synthesis of Peptide Arrays on Selfâ€Assembled Monolayers and their Evaluation as Enzyme Substrates. ChemBioChem, 2008, 9, 2592-2596.	2.6	40
141	Enzyme catalysis on solid surfaces. Trends in Biotechnology, 2008, 26, 328-337.	9.3	93
142	Kinetics of Enzyme Attack on Substrates Covalently Attached to Solid Surfaces: Influence of Spacer Chain Length, Immobilized Substrate Surface Concentration and Surface Charge. Langmuir, 2008, 24, 11762-11769.	3.5	18
143	Monoquaternary ammonium derivatives inhibit growth of protozoan parasites. Parasitology International, 2008, 57, 132-137.	1.3	6
144	Glycoarraysâ€"tools for determining proteinâ€“carbohydrate interactions and glycoenzyme specificity. Chemical Communications, 2008, , 4400.	4.1	131

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145	Microwave-Assisted Ring Opening of Epoxides:â€‰ A General Route to the Synthesis of 1-Aminopropan-2-ols with Anti Malaria Parasite Activities. Journal of Medicinal Chemistry, 2007, 50, 4243-4249.	6.4	57
146	Real-Time Imaging of Protease Action on Substrates Covalently Immobilised to Polymer Supports. Advanced Synthesis and Catalysis, 2007, 349, 1321-1326.	4.3	8
147	Probing the substrate specificity of the catalytically self-sufficient cytochrome P450 RhF from a Rhodococcus sp.. Chemical Communications, 2006, , 4492-4494.	4.1	31
148	Controlling protein retention on enzyme-responsive surfaces. Surface and Interface Analysis, 2006, 38, 1505-1511.	1.8	21
149	Quaternary Ammonium Compounds as Water Channel Blockers. Journal of Biological Chemistry, 2006, 281, 14207-14214.	3.4	120
150	Optimized polymerâ€“enzyme electrostatic interactions significantly improve penicillin G amidase efficiency in charged PEGA polymers. Tetrahedron, 2005, 61, 971-976.	1.9	11
151	Understanding enzyme action on immobilised substrates. Current Opinion in Biotechnology, 2005, 16, 385-392.	6.6	57
152	Glycosylation with a twist. Nature, 2005, 437, 201-202.	27.8	12
153	Increased Thermal Stability of Site-Selectively Glycosylated Dihydrofolate Reductase. ChemBioChem, 2005, 6, 1338-1340.	2.6	28
154	Synthesis of N-linked glycopeptides on solid support and their evaluation as protease substrates. Tetrahedron: Asymmetry, 2005, 16, 21-24.	1.8	8
155	Synthesis of homogenous site-selectively glycosylated proteins. Organic and Biomolecular Chemistry, 2005, 3, 572.	2.8	11
156	Efficient terpene hydroxylation catalysts based upon P450 enzymes derived from Actinomycetes. Organic and Biomolecular Chemistry, 2005, 3, 2930.	2.8	38
157	Analysis of the domain properties of the novel cytochrome P450 RhF. FEBS Letters, 2005, 579, 2215-2220.	2.8	51
158	Enzyme-cleavable linkers for peptide and glycopeptide synthesis. Organic and Biomolecular Chemistry, 2005, 3, 2505.	2.8	15
159	Rapid and ultra-sensitive determination of enzyme activities using surface-enhanced resonance Raman scattering. Nature Biotechnology, 2004, 22, 1133-1138.	17.5	192
160	Rapid identification of cytochrome P450cam variants by in vivo screening of active site libraries. Tetrahedron: Asymmetry, 2004, 15, 2829-2831.	1.8	13
161	Profiling Primary Protease Specificity by Peptide Synthesis on a Solid Support. Angewandte Chemie - International Edition, 2004, 43, 3138-3141.	13.8	25
162	Synthesis and Modifications of Carbohydrates Using Biotransformations. ChemInform, 2004, 35, no.	0.0	0

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163	Introduction of permanently charged groups into PEGA resins leads to improved biotransformations on solid support. Tetrahedron, 2004, 60, 589-594.	1.9	14
164	Generation of a dynamic combinatorial library using sialic acid aldolase and in situ screening against wheat germ agglutinin. Tetrahedron, 2004, 60, 771-780.	1.9	35
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