Volker Sieber

List of Publications by Year in Descending Order

142 papers	4,357 citations	33 h-index	61 g-index
160 ext. papers	5,276 ext. citations	6.8 avg, IF	6.1 L-index

#	Paper	IF	Citations
142	Hot Flows: Evolving an Archaeal Glucose Dehydrogenase for Ultrastable Carba-NADP+ Using Microfluidics at Elevated Temperatures. *ACS Catalysis*, **2022**, 12, 1841-1846	13.1	1
141	Structural elucidation of the fucose containing polysaccharide of Paenibacillus polymyxa DSM 365.. *Carbohydrate Polymers*, **2022**, 278, 118951	10.3	3
140	Systematic optimization of exopolysaccharide production by Gluconacetobacter sp. and use of (crude) glycerol as carbon source. *Carbohydrate Polymers*, **2022**, 276, 118769	10.3	1
139	Design of enzymatic cascade reactors through multi-objective dynamic optimization. *Biochemical Engineering Journal*, **2022**, 181, 108384	4.2	0
138	Towards a cyanobacterial biorefinery: Carbohydrate fingerprint, biocomposition and enzymatic hydrolysis of Nostoc biomass. *Algal Research*, **2022**, 65, 102744	5	0
137	Development of a Cofactor Balanced, Multi Enzymatic Cascade Reaction for the Simultaneous Production of L-Alanine and L-Serine from 2-Keto-3-deoxy-gluconate. *Catalysts*, **2021**, 11, 31	4	2
136	Anodic production of hydrogen peroxide using commercial carbon materials. *Applied Catalysis B: Environmental*, **2021**, 120848	21.8	1
135	A Structural View on the Stereospecificity of Plant Borneol-Type Dehydrogenases. *ChemCatChem*, **2021**, 13, 2262-2277	5.2	3
134	Engineering of a borneol dehydrogenase from P. putida for the enzymatic resolution of camphor. *Applied Microbiology and Biotechnology*, **2021**, 105, 3159-3167	5.7	1
133	Enhanced C2 and C3 Product Selectivity in Electrochemical CO2 Reduction on Carbon-Doped Copper Oxide Catalysts Prepared by Deep Eutectic Solvent Calcination. *Catalysts*, **2021**, 11, 542	4	1
132	carba-Nicotinamid-Adenin-Dinukleotid-Phosphat: Robuster Cofaktor f□ die Redox-Biokatalyse. *Angewandte Chemie*, **2021**, 133, 14822-14828	3.6	0
131	carba Nicotinamide Adenine Dinucleotide Phosphate: Robust Cofactor for Redox Biocatalysis. *Angewandte Chemie - International Edition*, **2021**, 60, 14701-14706	16.4	6
130	Simple Plug-In Synthetic Step for the Synthesis of (-)-Camphor from Renewable Starting Materials. *ChemBioChem*, **2021**, 22, 2951-2956	3.8	3
129	Bioelectrocatalytic Cofactor Regeneration Coupled to CO Fixation in a Redox-Active Hydrogel for Stereoselective C-C Bond Formation. *Angewandte Chemie - International Edition*, **2021**, 60, 21056-21061	16.4	7
128	Bioelektrokatalytische Cofaktor-Regeneration und CO2-Fixierung in einem redoxaktiven Hydrogel durch stereoselektive C-C-Bindungskn□fung. *Angewandte Chemie*, **2021**, 133, 21224-21230	3.6	3
127	Synthetic Methylotrophy in Yeasts: Towards a Circular Bioeconomy. *Trends in Biotechnology*, **2021**, 39, 348-358	15.1	9
126	Rheological characterization of Porphyridium sordidum and Porphyridium purpureum exopolysaccharides. *Carbohydrate Polymers*, **2021**, 253, 117237	10.3	4

125	Sustainable Chemistry - An Interdisciplinary Matrix Approach. *ChemSusChem*, **2021**, 14, 251-265	8.3	2
124	Converging conversion using promiscuous biocatalysts for the cell-free synthesis of chemicals from heterogeneous biomass. *Green Chemistry*, **2021**, 23, 3656-3663	10	3
123	Design of a synthetic enzyme cascade for the in vitro fixation of a C1 carbon source to a functional C4 sugar. *Green Chemistry*, **2021**, 23, 6583-6590	10	1
122	Titelbild: Bioelektrokatalytische Cofaktor-Regeneration und CO2-Fixierung in einem redoxaktiven Hydrogel durch stereoselektive C-C-Bindungsknüpfung (Angew. Chem. 38/2021). *Angewandte Chemie*, **2021**, 133, 20733-20733	3.6	
121	A novel approach to study cellulose digestion kinetics in biogas fermentation applying feed-stop method and artificial medium to investigate effects of saccharides. *Bioresource Technology Reports*, **2021**, 15, 100757	4.1	
120	Land and sea: Addressing the challenges facing inter-regional ecosystems in developing a sustainable bioeconomy. *EFB Bioeconomy Journal*, **2021**, 1, 100017		1
119	Characterization and comparison of Porphyridium sordidum and Porphyridium purpureum concerning growth characteristics and polysaccharide production. *Algal Research*, **2020**, 49, 101931	5	13
118	Activated carbon as catalyst support: precursors, preparation, modification and characterization. *Beilstein Journal of Organic Chemistry*, **2020**, 16, 1188-1202	2.5	27
117	Molecular Dynamics Analysis of a Rationally Designed Aldehyde Dehydrogenase Gives Insights into Improved Activity for the Non-Native Cofactor NAD. *ACS Synthetic Biology*, **2020**, 9, 920-929	5.7	6
116	Optimization of growth and EPS production in two Porphyridum strains. *Bioresource Technology Reports*, **2020**, 11, 100486	4.1	4
115	Production of Propene from n-Butanol: A Three-Step Cascade Utilizing the Cytochrome P450 Fatty Acid Decarboxylase OleT. *ChemBioChem*, **2020**, 21, 3273-3281	3.8	5
114	Biobased chiral semi-crystalline or amorphous high-performance polyamides and their scalable stereoselective synthesis. *Nature Communications*, **2020**, 11, 509	17.4	24
113	Enabling the Direct Enzymatic Dehydration of d-Glycerate to Pyruvate as the Key Step in Synthetic Enzyme Cascades Used in the Cell-Free Production of Fine Chemicals. *ACS Catalysis*, **2020**, 10, 3110-3118	13.1	10
112	Development of an Improved Peroxidase-Based High-Throughput Screening for the Optimization of D-Glycerate Dehydratase Activity. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
111	Electrochemical CO2 reduction to formate on indium catalysts prepared by electrodeposition in deep eutectic solvents. *Electrochemistry Communications*, **2020**, 110, 106597	5.1	29
110	Molecular cloning and functional characterization of a two highly stereoselective borneol dehydrogenases from Salvia officinalis L. *Phytochemistry*, **2020**, 172, 112227	4	7
109	Pyrolysis of Deep Eutectic Solvents for the Preparation of Supported Copper Electrocatalysts. *ChemistrySelect*, **2020**, 5, 11714-11720	1.8	1
108	Metabolic engineering for production of functional polysaccharides. *Current Opinion in Biotechnology*, **2020**, 66, 44-51	11.4	15

107	Characterization of highly active 2-keto-3-deoxy-L-arabinonate and 2-keto-3-deoxy-D-xylonate dehydratases in terms of the biotransformation of hemicellulose sugars to chemicals. *Applied Microbiology and Biotechnology*, **2020**, 104, 7023-7035	5.7	2
106	Rheology of sphingans in EPS-surfactant systems. *Carbohydrate Polymers*, **2020**, 248, 116778	10.3	4
105	Novel Prokaryotic CRISPR-Cas12a-Based Tool for Programmable Transcriptional Activation and Repression. *ACS Synthetic Biology*, **2020**, 9, 3353-3363	5.7	5
104	Engineering of the 2,3-butanediol pathway of Paenibacillus polymyxa DSM 365. *Metabolic Engineering*, **2020**, 61, 381-388	9.7	12
103	Electrochemical synthesis of hydrogen peroxide from water and oxygen. *Nature Reviews Chemistry*, **2019**, 3, 442-458	34.6	235
102	New Bio-Polyamides from Terpenes: -Pinene and (+)-3-Carene as Valuable Resources for Lactam Production. *Macromolecular Rapid Communications*, **2019**, 40, e1800903	4.8	21
101	A Bifunctional UDP-Sugar 4-Epimerase Supports Biosynthesis of Multiple Cell Surface Polysaccharides in Sinorhizobium meliloti. *Journal of Bacteriology*, **2019**, 201,	3.5	11
100	Optimization of a reduced enzymatic reaction cascade for the production of L-alanine. *Scientific Reports*, **2019**, 9, 11754	4.9	11
99	Mechanical and Thermal Properties of Mixed-Tacticity Polyhydroxybutyrates and Their Association with Iso- and Atactic Chain Segment Length Distributions. *Macromolecules*, **2019**, 52, 5407-5418	5.5	5
98	Fermentative Production of Microbial Exopolysaccharides **2019**, 145-166		2
97	In-depth rheological characterization of genetically modified xanthan-variants. *Carbohydrate Polymers*, **2019**, 213, 236-246	10.3	20
96	Overall Nutritional and Sensory Profile of Different Species of Australian Wattle Seeds (spp.): Potential Food Sources in the Arid Semi-Arid Regions. *Foods*, **2019**, 8,	4.9	8
95	To beat the heat - engineering of the most thermostable pyruvate decarboxylase to date.. *RSC Advances*, **2019**, 9, 29743-29746	3.7	4
94	Biomimetic cofactors and methods for their recycling. *Current Opinion in Chemical Biology*, **2019**, 49, 59-66	9.7	27
93	Dataset on the structural characterization of organosolv lignin obtained from ensiled grass and load-dependent molecular weight changes during thermoplastic processing. *Data in Brief*, **2018**, 17, 647-652	1.2	3
92	Multienzyme Cascade Reactions—Status and Recent Advances. *ACS Catalysis*, **2018**, 8, 2385-2396	13.1	176
91	Screening of c-di-GMP-Regulated Exopolysaccharides in Host Interacting Bacteria. *Methods in Molecular Biology*, **2018**, 1734, 263-275	1.4	5
90	Colorimetric Determination of Sulfate via an Enzyme Cascade for High-Throughput Detection of Sulfatase Activity. *Analytical Chemistry*, **2018**, 90, 2526-2533	7.8	15

89	Effects of high-lignin-loading on thermal, mechanical, and morphological properties of bioplastic composites. *Composite Structures*, **2018**, 189, 349-356	5.3	23
88	Substrate scope of a dehydrogenase from Sphingomonas species A1 and its potential application in the synthesis of rare sugars and sugar derivatives. *Microbial Biotechnology*, **2018**, 11, 747-758	6.3	5
87	Biosynthesis of poly-3-hydroxybutyrate from grass silage by a two-stage fermentation process based on an integrated biorefinery concept. *Bioresource Technology*, **2018**, 269, 237-245	11	8
86	Rheological characterization of the exopolysaccharide Paenan in surfactant systems. *Carbohydrate Polymers*, **2018**, 181, 719-726	10.3	15
85	Recent Advances in the Direct Synthesis of Hydrogen Peroxide Using Chemical Catalysis—A Review. *Catalysts*, **2018**, 8, 379	4	52
84	ChiBio: An Integrated Bio-refinery for Processing Chitin-Rich Bio-waste to Specialty Chemicals. *Grand Challenges in Biology and Biotechnology*, **2018**, 555-578	2.4	11
83	Structure-Guided Engineering of α-Keto Acid Decarboxylase for the Production of Higher Alcohols at Elevated Temperature. *ChemSusChem*, **2018**, 11, 3335-3344	8.3	9
82	Structures of Mixed-Tacticity Polyhydroxybutyrates. *Macromolecules*, **2018**, 51, 5001-5010	5.5	5
81	In vitro metabolic engineering for the production of α-ketoglutarate. *Metabolic Engineering*, **2017**, 40, 5-13	9.7	45
80	A Modular Toolkit for Generating Pichia pastoris Secretion Libraries. *ACS Synthetic Biology*, **2017**, 6, 1016-1025	5.7	55
79	Development of a lipase-mediated epoxidation process for monoterpenes in choline chloride-based deep eutectic solvents. *Green Chemistry*, **2017**, 19, 2576-2586	10	38
78	Quantitative assay of β(1,3)-β(1,6)-glucans from fermentation broth using aniline blue. *Carbohydrate Polymers*, **2017**, 174, 57-64	10.3	6
77	Probing the adhesion properties of alginate hydrogels: a new approach towards the preparation of soft colloidal probes for direct force measurements. *Soft Matter*, **2017**, 13, 578-589	3.6	13
76	Effects of glucose concentration on 1,18-cis-octadec-9-enedioic acid biotransformation efficiency and lipid body formation in Candida tropicalis. *Scientific Reports*, **2017**, 7, 13842	4.9	11
75	Development of semi-continuous chemo-enzymatic terpene epoxidation: combination of anthraquinone autooxidation and the lipase-mediated epoxidation process. *Reaction Chemistry and Engineering*, **2017**, 2, 885-895	4.9	8
74	Tailor-made exopolysaccharides-CRISPR-Cas9 mediated genome editing in. *Synthetic Biology*, **2017**, 2, ysx007	3.3	30
73	Deacidification of grass silage press juice by continuous production of acetoin from its lactate via an immobilized enzymatic reaction cascade. *Bioresource Technology*, **2017**, 245, 1084-1092	11	7
72	Lipase-catalyzed synthesis of sucrose monoester: Increased productivity by combining enzyme pretreatment and non-aqueous biphasic medium. *Journal of Biotechnology*, **2017**, 259, 182-190	3.7	20

71	Characterization of Biomimetic Cofactors According to Stability, Redox Potentials, and Enzymatic Conversion by NADH Oxidase from Lactobacillus pentosus. *ChemBioChem*, **2017**, 18, 1944-1949	3.8	20
70	Production of dodecanedioic acid via biotransformation of low cost plant-oil derivatives using Candida tropicalis. *Journal of Industrial Microbiology and Biotechnology*, **2017**, 44, 1491-1502	4.2	30
69	Chemoenzymatic Synthesis of a Novel Borneol-Based Polyester. *ChemSusChem*, **2017**, 10, 3574-3580	8.3	12
68	Preparation of Supported Palladium Catalysts using Deep Eutectic Solvents. *Chemistry - A European Journal*, **2017**, 23, 12467-12470	4.8	14
67	Thermostabilization of the uronate dehydrogenase from Agrobacterium tumefaciens by semi-rational design. *AMB Express*, **2017**, 7, 103	4.1	10
66	Enzymatic Reduction of Nicotinamide Biomimetic Cofactors Using an Engineered Glucose Dehydrogenase: Providing a Regeneration System for Artificial Cofactors. *ACS Catalysis*, **2017**, 7, 5202-5208	13.1	50
65	Reaction Design for the Compartmented Combination of Heterogeneous and Enzyme Catalysis. *ACS Catalysis*, **2016**, 6, 6329-6334	13.1	33
64	Optimization of the lipase mediated epoxidation of monoterpenes using the design of experiments□aguchi method. *Process Biochemistry*, **2016**, 51, 1479-1485	4.8	19
63	Automated Modular High Throughput Exopolysaccharide Screening Platform Coupled with Highly Sensitive Carbohydrate Fingerprint Analysis. *Journal of Visualized Experiments*, **2016**,	1.6	7
62	Identification and characterization of two new 5-keto-4-deoxy-D-Glucarate Dehydratases/Decarboxylases. *BMC Biotechnology*, **2016**, 16, 80	3.5	6
61	Integrated biorefinery concept for grass silage using a combination of adapted pulping methods for advanced saccharification and extraction of lignin. *Bioresource Technology*, **2016**, 216, 462-70	11	14
60	A one-stage cultivation process for lipid- and carbohydrate-rich biomass of Scenedesmus obtusiusculus based on artificial and natural water sources. *Bioresource Technology*, **2016**, 218, 498-504	11	11
59	Identification of amino acid networks governing catalysis in the closed complex of class I terpene synthases. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E958-67	11.5	41
58	Bioconversion of Pyruvate to -Butanol with Minimized Cofactor Utilization. *Frontiers in Bioengineering and Biotechnology*, **2016**, 4, 74	5.8	17
57	Bacterial Glycosyltransferases: Challenges and Opportunities of a Highly Diverse Enzyme Class Toward Tailoring Natural Products. *Frontiers in Microbiology*, **2016**, 7, 182	5.7	49
56	Metal Ions Play an Essential Catalytic Role in the Mechanism of Ketol-Acid Reductoisomerase. *Chemistry - A European Journal*, **2016**, 22, 7427-36	4.8	22
55	Controlled production of polysaccharides-exploiting nutrient supply for levan and heteropolysaccharide formation in Paenibacillus sp. *Carbohydrate Polymers*, **2016**, 148, 326-34	10.3	40
54	Revealing the diversity of algal monosaccharides: Fast carbohydrate fingerprinting of microalgae using crude biomass and showcasing sugar distribution in Chlorella vulgaris by biomass fractionation. *Algal Research*, **2016**, 17, 227-235	5	28

53	Characterization of recombinantly expressed dihydroxy-acid dehydratase from Sulfobus solfataricus-A key enzyme for the conversion of carbohydrates into chemicals. *Journal of Biotechnology*, **2015**, 211, 31-41	3.7	21
52	Bacterial exopolysaccharides: biosynthesis pathways and engineering strategies. *Frontiers in Microbiology*, **2015**, 6, 496	5.7	272
51	Photobiocatalytic decarboxylation for olefin synthesis. *Chemical Communications*, **2015**, 51, 1918-21	5.8	85
50	Characterization of uronate dehydrogenases catalysing the initial step in an oxidative pathway. *Microbial Biotechnology*, **2015**, 8, 633-43	6.3	17
49	Crystallization behaviour of glyceraldehyde dehydrogenase from Thermoplasma acidophilum. *Acta Crystallographica Section F, Structural Biology Communications*, **2015**, 71, 1475-80	1.1	
48	Enzymatic transformations involved in the biosynthesis of microbial exo-polysaccharides based on the assembly of repeat units. *ChemBioChem*, **2015**, 16, 1141-7	3.8	29
47	A water-forming NADH oxidase from Lactobacillus pentosus suitable for the regeneration of synthetic biomimetic cofactors. *Frontiers in Microbiology*, **2015**, 6, 957	5.7	52
46	Methods to identify the unexplored diversity of microbial exopolysaccharides. *Frontiers in Microbiology*, **2015**, 6, 565	5.7	41
45	High throughput exopolysaccharide screening platform: from strain cultivation to monosaccharide composition and carbohydrate fingerprinting in one day. *Carbohydrate Polymers*, **2015**, 122, 212-20	10.3	33
44	A one pot reaction cascade of in situ hydrogen peroxide production and lipase mediated in situ production of peracids for the epoxidation of monoterpenes. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 114, 72-76		15
43	Toward one-pot lipase-catalyzed synthesis of poly(ε-caprolactone) particles in aqueous dispersion. *Colloids and Surfaces B: Biointerfaces*, **2014**, 113, 254-60	6	14
42	Mediated electron transfer with monooxygenases—Insight in interactions between reduced mediators and the co-substrate oxygen. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 108, 51-58		19
41	Improving the NADH-cofactor specificity of the highly active AdhZ3 and AdhZ2 from Escherichia coli K-12. *Journal of Biotechnology*, **2014**, 189, 157-65	3.7	13
40	A comparison of genes involved in sphingan biosynthesis brought up to date. *Applied Microbiology and Biotechnology*, **2014**, 98, 7719-33	5.7	37
39	Biosynthese und Genomik mikrobieller Polysaccharide. *BioSpektrum*, **2014**, 20, 288-290	0.1	4
38	Enzymatic synthesis of amino sugar fatty acid esters. *European Journal of Lipid Science and Technology*, **2014**, 116, 423-428	3	14
37	Enzymatic Decarboxylation—An Emerging Reaction for Chemicals Production from Renewable Resources. *ChemCatChem*, **2014**, 6, 689-701	5.2	41
36	Draft Genome Sequence of Kozakia baliensis SR-745, the First Sequenced Kozakia Strain from the Family Acetobacteraceae. *Genome Announcements*, **2014**, 2,		2

35	Fast carbohydrate analysis via liquid chromatography coupled with ultra violet and electrospray ionization ion trap detection in 96-well format. *Journal of Chromatography A*, **2014**, 1350, 44-50	4.5	45
34	Encapsulation of living E. coli cells in hollow polymer microspheres of highly defined size. *Biomacromolecules*, **2013**, 14, 207-14	6.9	29
33	Novel CAD-like enzymes from Escherichia coli K-12 as additional tools in chemical production. *Applied Microbiology and Biotechnology*, **2013**, 97, 5815-24	5.7	29
32	Biocatalytic Synthesis of a Diketobornane as a Building Block for Bifunctional Camphor Derivatives. *ChemCatChem*, **2013**, 5, 3351-3357	5.2	17
31	Biosynthesis □debugged□Novel bioproduction strategies. *Engineering in Life Sciences*, **2013**, 13, 4-18	3.4	45
30	Analysis of lignocellulose derived phenolic monomers by headspace solid-phase microextraction and gas chromatography. *Journal of Chromatography A*, **2013**, 1307, 144-57	4.5	9
29	Improvement of thermostable aldehyde dehydrogenase by directed evolution for application in Synthetic Cascade Biomanufacturing. *Enzyme and Microbial Technology*, **2013**, 53, 307-14	3.8	27
28	Lipase-catalyzed interfacial polymerization of □pentadecalactone in aqueous biphasic medium: A mechanistic study. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 88, 69-76		18
27	Nucleic and Protein Extraction Methods for Fungal Exopolysaccharide Producers **2013**, 427-434		3
26	Enzymatic cleavage of lignin □O-4 aryl ether bonds via net internal hydrogen transfer. *Green Chemistry*, **2013**, 15, 1373	10	84
25	Refolding of a thermostable glyceraldehyde dehydrogenase for application in synthetic cascade biomanufacturing. *PLoS ONE*, **2013**, 8, e70592	3.7	10
24	Solubilization of hemicellulose and lignin from wheat straw through microwave-assisted alkali treatment. *Industrial Crops and Products*, **2012**, 39, 198-203	5.9	69
23	Removal of monomer delignification products by laccase from Trametes versicolor. *Bioresource Technology*, **2012**, 104, 298-304	11	51
22	Selective epoxidation of (+)-limonene employing methyltrioxorhenium as catalyst. *Journal of Molecular Catalysis A*, **2012**, 358, 159-165		22
21	Cell-free metabolic engineering: production of chemicals by minimized reaction cascades. *ChemSusChem*, **2012**, 5, 2165-72	8.3	184
20	Enhanced fed-batch fermentation of 2,3-butanediol by Paenibacillus polymyxa DSM 365. *Bioresource Technology*, **2012**, 124, 237-44	11	81
19	Lipase-mediated Epoxidation of the Cyclic Monoterpene Limonene to Limonene Oxide and Limonene Dioxide. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2012**, 67, 1056-1060	1	14
18	Scleroglucan: biosynthesis, production and application of a versatile hydrocolloid. *Applied Microbiology and Biotechnology*, **2011**, 91, 937-47	5.7	70

17	Epoxidation of □pinene catalyzed by methyltrioxorhenium(VII): Influence of additives, oxidants and solvents. *Journal of Molecular Catalysis A*, **2011**, 340, 9-14		32
16	Biochemie 2009. *Nachrichten Aus Der Chemie*, **2010**, 58, 300-313	0.1	
15	Transcriptome sequencing and comparative transcriptome analysis of the scleroglucan producer Sclerotium rolfsii. *BMC Genomics*, **2010**, 11, 329	4.5	28
14	The genome of Xanthomonas campestris pv. campestris B100 and its use for the reconstruction of metabolic pathways involved in xanthan biosynthesis. *Journal of Biotechnology*, **2008**, 134, 33-45	3.7	202
13	Systematics and genetic variation in commercial shape Kappaphycus and shape Eucheuma (Solieriaceae, Rhodophyta). *Journal of Applied Phycology*, **2006**, 18, 643-651	3.2	66
12	Functional expression of a fungal laccase in Saccharomyces cerevisiae by directed evolution. *Applied and Environmental Microbiology*, **2003**, 69, 987-95	4.8	238
11	Functional Expression of a Fungal Laccase in Saccharomyces cerevisiae by Directed Evolution. *Applied and Environmental Microbiology*, **2003**, 69, 5037-5037	4.8	9
10	Selection for soluble proteins via fusion with chloramphenicol acetyltransferase. *Methods in Molecular Biology*, **2003**, 230, 45-55	1.4	3
9	Proside: a phage-based method for selecting thermostable proteins. *Methods in Molecular Biology*, **2003**, 230, 57-70	1.4	22
8	Sequence homology-independent protein recombination (SHIPREC). *Methods in Molecular Biology*, **2003**, 231, 153-63	1.4	11
7	Libraries of hybrid proteins from distantly related sequences. *Nature Biotechnology*, **2001**, 19, 456-60	44.5	212
6	In-vitro selection of highly stabilized protein variants with optimized surface. *Journal of Molecular Biology*, **2001**, 309, 717-26	6.5	90
5	Selecting proteins with improved stability by a phage-based method. *Nature Biotechnology*, **1998**, 16, 955-60	44.5	176
4	Surface-exposed phenylalanines in the RNP1/RNP2 motif stabilize the cold-shock protein CspB from Bacillus subtilis. *Proteins: Structure, Function and Bioinformatics*, **1998**, 30, 401-6	4.2	43
3	Sequence profile of the parallel beta helix in the pectate lyase superfamily. *Journal of Structural Biology*, **1998**, 122, 223-35	3.4	38
2	Interactions contributing to the formation of a beta-hairpin-like structure in a small peptide. *Biochemistry*, **1996**, 35, 181-8	3.2	55
1	Circular dichroism of the parallel beta helical proteins pectate lyase C and E. *Proteins: Structure, Function and Bioinformatics*, **1995**, 23, 32-7	4.2	29