

Harald Kolmar

List of Publications by Year in descending order

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Version: 2024-02-01

202
papers

6,226
citations

66343

42
h-index

106344

65
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217
all docs

217
docs citations

217
times ranked

5851
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond bispecificity: Controlled Fab arm exchange for the generation of antibodies with multiple specificities. <i>MAbs</i> , 2022, 14, 2018960.	5.2	17
2	Generation of a host cell line containing a <sc>MAR</sc>-rich landing pad for site-specific integration and expression of transgenes. <i>Biotechnology Progress</i> , 2022, 38, e3254.	2.6	3
3	Methoxy-Monobenzoylethane Protects Skin from UV-Induced Damages in a Randomized, Placebo Controlled, Double-Blinded Human In Vivo Study and Prevents Signs of Inflammation While Improving the Skin Barrier. <i>Dermatology and Therapy</i> , 2022, 12, 435-449.	3.0	1
4	A Generic Strategy to Generate Bifunctional Two-in-One Antibodies by Chicken Immunization. <i>Frontiers in Immunology</i> , 2022, 13, 888838.	4.8	5
5	Humanization of Chicken-Derived Antibodies by Yeast Surface Display. <i>Methods in Molecular Biology</i> , 2022, 2491, 335-360.	0.9	2
6	Antibody Library Screening Using Yeast Biopanning and Fluorescence-Activated Cell Sorting. <i>Methods in Molecular Biology</i> , 2022, 2491, 177-193.	0.9	0
7	Streamlining the Transition From Yeast Surface Display of Antibody Fragment Immune Libraries to the Production as IgG Format in Mammalian Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	4.1	9
8	Engineering of ultraID, a compact and hyperactive enzyme for proximity-dependent biotinylation in living cells. <i>Communications Biology</i> , 2022, 5, .	4.4	31
9	Affinity Maturation of B7-H6 Translates into Enhanced NK Cell-Mediated Tumor Cell Lysis and Improved Proinflammatory Cytokine Release of Bispecific Immunoligands via NKp30 Engagement. <i>Journal of Immunology</i> , 2021, 206, 225-236.	0.8	32
10	From cell line development to the formulated drug product: The art of manufacturing therapeutic monoclonal antibodies. <i>International Journal of Pharmaceutics</i> , 2021, 594, 120164.	5.2	24
11	Humanization of Chicken-Derived scFv Using Yeast Surface Display and NGS Data Mining. <i>Biotechnology Journal</i> , 2021, 16, e2000231.	3.5	12
12	Isolation of Common Light Chain Antibodies from Immunized Chickens Using Yeast Biopanning and Fluorescence-Activated Cell Sorting. <i>Biotechnology Journal</i> , 2021, 16, e2000240.	3.5	16
13	Review: High temperature short time treatment of cell culture media and feed solutions to mitigate adventitious viral contamination in the biopharmaceutical industry. <i>Biotechnology Progress</i> , 2021, 37, e3117.	2.6	2
14	Use of 5-Thio-L-Fucose to modulate binding affinity of therapeutic proteins. <i>Biotechnology and Bioengineering</i> , 2021, 118, 1818-1831.	3.3	6
15	Enhancing the Pharmacokinetics and Antitumor Activity of an Î±-Amanitin-Based Small-Molecule Drug Conjugate via Conjugation with an Fc Domain. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4117-4129.	6.4	20
16	Functional paper-based materials for diagnostics. <i>ChemTexts</i> , 2021, 7, 14.	1.9	23
17	Characterization of soy protein hydrolysates and influence of its iron content on monoclonal antibody production by a murine hybridoma cell line. <i>Biotechnology Progress</i> , 2021, 37, e3147.	2.6	2
18	Inside Front Cover Image, Volume 118, Number 5, May 2021. <i>Biotechnology and Bioengineering</i> , 2021, 118, ii.	3.3	0

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19	Carbohydrate binding module-fused antibodies improve the performance of cellulose-based lateral flow immunoassays. <i>Scientific Reports</i> , 2021, 11, 7880.	3.3	12
20	Comparison of Membrane Depth Determination Techniques for Active Ingredient Skin Penetration Studies Using Microdialysis. <i>Skin Pharmacology and Physiology</i> , 2021, 34, 203-213.	2.5	5
21	Design of a Trispecific Checkpoint Inhibitor and Natural Killer Cell Engager Based on a 2 + 1 Common Light Chain Antibody Architecture. <i>Frontiers in Immunology</i> , 2021, 12, 669496.	4.8	23
22	Recombinant Antibody Production Using a Dual-Promoter Single Plasmid System. <i>Antibodies</i> , 2021, 10, 18.	2.5	6
23	Treating Bladder Cancer: Engineering of Current and Next Generation Antibody-, Fusion Protein-, mRNA-, Cell- and Viral-Based Therapeutics. <i>Frontiers in Oncology</i> , 2021, 11, 672262.	2.8	11
24	Toward Fabrication of Bioactive Papers: Covalent Immobilization of Peptides and Proteins. <i>Biomacromolecules</i> , 2021, 22, 2954-2962.	5.4	7
25	Generation and Biological Evaluation of Fc Antigen Binding Fragment-Drug Conjugates as a Novel Antibody-Based Format for Targeted Drug Delivery. <i>Bioconjugate Chemistry</i> , 2021, 32, 1699-1710.	3.6	10
26	Synthetic Integrin-Targeting Dextran-Fc Hybrids Efficiently Inhibit Tumor Proliferation In Vitro. <i>Frontiers in Chemistry</i> , 2021, 9, 693097.	3.6	2
27	S-Sulfocysteine – Investigation of cellular uptake in CHO cells. <i>Journal of Biotechnology</i> , 2021, 335, 27-38.	3.8	1
28	Protease-Activation of Fc-Masked Therapeutic Antibodies to Alleviate Off-Tumor Cytotoxicity. <i>Frontiers in Immunology</i> , 2021, 12, 715719.	4.8	7
29	Effect of Conjugation Site and Technique on the Stability and Pharmacokinetics of Antibody-Drug Conjugates. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3776-3785.	3.3	13
30	EGFR binding Fc domain-drug conjugates: stable and highly potent cytotoxic molecules mediate selective cell killing. <i>Biological Chemistry</i> , 2021, .	2.5	0
31	Multivalent dextran hybrids for efficient cytosolic delivery of biomolecular cargoes. <i>Journal of Peptide Science</i> , 2021, 27, e3298.	1.4	5
32	Milking the Cow: Cattle-Derived Chimeric Ultralong CDR-H3 Antibodies and Their Engineered CDR-H3-Only Knobby Counterparts Targeting Epidermal Growth Factor Receptor Elicit Potent NK Cell-Mediated Cytotoxicity. <i>Frontiers in Immunology</i> , 2021, 12, 742418.	4.8	11
33	Grabbing the Bull by Both Horns: Bovine Ultralong CDR-H3 Paratopes Enable Engineering of –Almost Natural– Common Light Chain Bispecific Antibodies Suitable For Effector Cell Redirection. <i>Frontiers in Immunology</i> , 2021, 12, 801368.	4.8	11
34	Native Llama Nanobody Library Panning Performed by Phage and Yeast Display Provides Binders Suitable for C-Reactive Protein Detection. <i>Biosensors</i> , 2021, 11, 496.	4.7	10
35	The metal-binding properties of the long chaplin from <i>Streptomyces mobaraensis</i> : A bioinformatic and biochemical approach. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110878.	3.5	2
36	Specific Targeting of Lymphoma Cells Using Semisynthetic Anti-Idiotypic Shark Antibodies. <i>Frontiers in Immunology</i> , 2020, 11, 560244.	4.8	7

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37	Engineering therapeutic antibodies for patient safety: tackling the immunogenicity problem. <i>Protein Engineering, Design and Selection</i> , 2020, 33, .	2.1	16
38	Expeditious Generation of Biparatopic Common Light Chain Antibodies via Chicken Immunization and Yeast Display Screening. <i>Frontiers in Immunology</i> , 2020, 11, 606878.	4.8	17
39	Sustainable Peptide Synthesis Enabled by a Transient Protecting Group. <i>Angewandte Chemie</i> , 2020, 132, 13084-13090.	2.0	2
40	Intein mediated high throughput screening for bispecific antibodies. <i>MAbs</i> , 2020, 12, 1731938.	5.2	23
41	FACS-Based Functional Protein Screening via Microfluidic Co-encapsulation of Yeast Secretor and Mammalian Reporter Cells. <i>Scientific Reports</i> , 2020, 10, 10182.	3.3	27
42	A Generic Procedure for the Isolation of pH- and Magnesium-Responsive Chicken scFvs for Downstream Purification of Human Antibodies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 688.	4.1	10
43	Recent progress in transglutaminase-mediated assembly of antibody-drug conjugates. <i>Analytical Biochemistry</i> , 2020, 595, 113615.	2.4	38
44	Solvent-Containing Closure Material Can Be Used to Prevent Follicular Penetration of Caffeine and Fluorescein Sodium Salt on Porcine Ear Skin. <i>Skin Pharmacology and Physiology</i> , 2020, 33, 117-126.	2.5	4
45	A Bioorthogonal Click Chemistry Toolbox for Targeted Synthesis of Branched and Well-Defined Protein-Protein Conjugates. <i>Angewandte Chemie</i> , 2020, 132, 12985-12993.	2.0	10
46	A Bioorthogonal Click Chemistry Toolbox for Targeted Synthesis of Branched and Well-Defined Protein-Protein Conjugates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12885-12893.	13.8	28
47	Sustainable Peptide Synthesis Enabled by a Transient Protecting Group. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12984-12990.	13.8	28
48	Selection and Characterization of Anti-idiotypic Shark Antibody Domains. <i>Methods in Molecular Biology</i> , 2020, 2070, 191-209.	0.9	2
49	Rapid Generation of Chicken Immune Libraries for Yeast Surface Display. <i>Methods in Molecular Biology</i> , 2020, 2070, 289-302.	0.9	17
50	Isolation of Tailor-Made Antibody Fragments from Yeast-Displayed B-Cell Receptor Repertoires by Multiparameter Fluorescence-Activated Cell Sorting. <i>Methods in Molecular Biology</i> , 2020, 2070, 249-266.	0.9	0
51	Isolation of Anti-Hapten Antibodies by Fluorescence-Activated Cell Sorting of Yeast-Displayed B-Cell Receptor Gene Repertoires. <i>Methods in Molecular Biology</i> , 2020, 2070, 267-287.	0.9	0
52	Simplifying the Detection of Surface Presentation Levels in Yeast Surface Display by Intracellular tGFP Expression. <i>Methods in Molecular Biology</i> , 2020, 2070, 211-222.	0.9	3
53	Glutamine-walking: Creating reactive substrates for transglutaminase-mediated protein labeling. <i>Methods in Enzymology</i> , 2020, 644, 121-148.	1.0	3
54	Dissecting capture and twisting of aureolysin and pseudolysin: functional amino acids of the Dispase autolysis-inducing protein. <i>Biochemical Journal</i> , 2020, 477, 2595-2606.	3.7	1

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55	Dual Function pH Responsive Bispecific Antibodies for Tumor Targeting and Antigen Depletion in Plasma. <i>Frontiers in Immunology</i> , 2019, 10, 1892.	4.8	26
56	Ultrafast Singleâ€Scan 2Dâ€NMR Spectroscopic Detection of a Phipâ€Hyperpolarized Protease Inhibitor. <i>Chemistry - A European Journal</i> , 2019, 25, 4025-4030.	3.3	30
57	Protein engineering comes of age. <i>Biological Chemistry</i> , 2019, 400, 255-256.	2.5	0
58	TRAILâ€Inspired Multivalent Dextran Conjugates Efficiently Induce Apoptosis upon DR5 Receptor Clustering. <i>ChemBioChem</i> , 2019, 20, 3006-3012.	2.6	16
59	Tailoring Activity and Selectivity of Microbial Transglutaminase. <i>Methods in Molecular Biology</i> , 2019, 2012, 151-169.	0.9	2
60	SpyLigase-Catalyzed Modification of Antibodies. <i>Methods in Molecular Biology</i> , 2019, 2012, 171-192.	0.9	2
61	Site-Specific Antibodyâ€Drug Conjugation Using Microbial Transglutaminase. <i>Methods in Molecular Biology</i> , 2019, 2012, 135-149.	0.9	9
62	Biochemical study of sortase E2 from <i>StreptomycesÂmobaraensis</i> and determination of transglutaminase crossâ€linking sites. <i>FEBS Letters</i> , 2019, 593, 1944-1956.	2.8	2
63	Efficient Siteâ€Specific Antibodyâ€Drug Conjugation by Engineering a Natureâ€Derived Recognition Tag for Microbial Transglutaminase. <i>ChemBioChem</i> , 2019, 20, 2411-2419.	2.6	18
64	Dextramabs: A Novel Format of Antibodyâ€Drug Conjugates Featuring a Multivalent Polysaccharide Scaffold. <i>ChemistryOpen</i> , 2019, 8, 354-357.	1.9	19
65	Facile generation of antibody heavy and light chain diversities for yeast surface display by Golden Gate Cloning. <i>Biological Chemistry</i> , 2019, 400, 383-393.	2.5	24
66	Impact of Acetylated and Non-Acetylated Fucose Analogues on IgG Glycosylation. <i>Antibodies</i> , 2019, 8, 9.	2.5	14
67	Yeast Surface Display in Combination with Fluorescenceâ€activated Cell Sorting Enables the Rapid Isolation of Antibody Fragments Derived from Immunized Chickens. <i>Biotechnology Journal</i> , 2019, 14, 1800466.	3.5	30
68	Lightâ€Controlled Chemoenzymatic Immobilization of Proteins towards Engineering of Bioactive Papers. <i>Chemistry - A European Journal</i> , 2019, 25, 1746-1751.	3.3	13
69	A tightly regulated and adjustable CRISPR-dCas9 based AND gate in yeast. <i>Nucleic Acids Research</i> , 2019, 47, 509-520.	14.5	22
70	Microbial transglutaminase for biotechnological and biomedical engineering. <i>Biological Chemistry</i> , 2019, 400, 257-274.	2.5	27
71	Site-Specific Conjugation of Thiol-Reactive Cytotoxic Agents to Nonnative Cysteines of Engineered Monoclonal Antibodies. <i>Methods in Molecular Biology</i> , 2019, 2033, 1-14.	0.9	5
72	A novel one-step approach for the construction of yeast surface display Fab antibody libraries. <i>Microbial Cell Factories</i> , 2018, 17, 3.	4.0	31

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73	Shark attack: HaiantikÃ¼rper fÃ¼r Biomedizin und Biotechnologie. BioSpektrum, 2018, 24, 142-145.	0.0	0
74	Isolation of pH-Sensitive Antibody Fragments by Fluorescence-Activated Cell Sorting and Yeast Surface Display. Methods in Molecular Biology, 2018, 1685, 311-331.	0.9	10
75	Generation of Semi-Synthetic Shark IgNAR Single-Domain Antibody Libraries. Methods in Molecular Biology, 2018, 1701, 147-167.	0.9	15
76	Structure of a glutamine donor mimicking inhibitory peptide shaped by the catalytic cleft of microbial transglutaminase. FEBS Journal, 2018, 285, 4684-4694.	4.7	11
77	A Streamlined Approach for the Construction of Large Yeast Surface Display Fab Antibody Libraries. Methods in Molecular Biology, 2018, 1827, 145-161.	0.9	13
78	Construction of Histidine-Enriched Shark IgNAR Variable Domain Antibody Libraries for the Isolation of pH-Sensitive vNAR Fragments. Methods in Molecular Biology, 2018, 1827, 109-127.	0.9	3
79	Destructive twisting of neutral metalloproteases: the catalysis mechanism of the Dispase autolysisâ€”inducing protein from Streptomyces mobaraensis DSM40487. FEBS Journal, 2018, 285, 4246-4264.	4.7	7
80	Selection of Antibodies with Tailored Properties by Application of High-Throughput Multiparameter Fluorescence-Activated Cell Sorting of Yeast-Displayed Immune Libraries. Molecular Biotechnology, 2018, 60, 727-735.	2.4	10
81	Engineering IgG-Like Bispecific Antibodiesâ€”An Overview. Antibodies, 2018, 7, 28.	2.5	37
82	Directed Evolution of a Bondâ€”Forming Enzyme: Ultrahighâ€”Throughput Screening of Microbial Transglutaminase Using Yeast Surface Display. Chemistry - A European Journal, 2018, 24, 15195-15200.	3.3	28
83	Covalent Attachment of Enzymes to Paper Fibers for Paper-Based Analytical Devices. Frontiers in Chemistry, 2018, 6, 214.	3.6	35
84	Beyond antibody engineering: directed evolution of alternative binding scaffolds and enzymes using yeast surface display. Microbial Cell Factories, 2018, 17, 32.	4.0	58
85	Generation of Potent Anti-HER1/2 Immunotoxins by Protein Ligation Using Split Inteins. ACS Chemical Biology, 2018, 13, 2058-2066.	3.4	28
86	Highlight issue: protein design. Biological Chemistry, 2017, 398, 1-2.	2.5	2
87	Generation of human bispecific common light chain antibodies by combining animal immunization and yeast display. Protein Engineering, Design and Selection, 2017, 30, 291-301.	2.1	33
88	Engineering bispecific antibodies with defined chain pairing. New Biotechnology, 2017, 39, 167-173.	4.4	43
89	Semi-synthetic vNAR libraries screened against therapeutic antibodies primarily deliver anti-idiotypic binders. Scientific Reports, 2017, 7, 9676.	3.3	34
90	Camelid and shark single domain antibodies: structural features and therapeutic potential. Current Opinion in Structural Biology, 2017, 45, 10-16.	5.7	165

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91	A simplified procedure for antibody engineering by yeast surface display: Coupling display levels and target binding by ribosomal skipping. <i>Biotechnology Journal</i> , 2017, 12, 1600454.	3.5	27
92	An Apoptosis-Inducing Peptidic Heptad That Efficiently Clusters Death Receptor...5. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5085-5089.	13.8	25
93	Nanoskalige, biologisch abbaubare organisch-äinorganische Hybride für effiziente Zellaufnahme und Wirkstofftransport. <i>Angewandte Chemie</i> , 2016, 128, 15063-15068.	2.0	0
94	Spontaneous Isopeptide Bond Formation as a Powerful Tool for Engineering Site-Specific Antibody-Drug Conjugates. <i>Scientific Reports</i> , 2016, 6, 39291.	3.3	31
95	PROLink- Single Step Circularization and Purification Procedure for the Generation of an Improved Variant of Human Growth Hormone. <i>Bioconjugate Chemistry</i> , 2016, 27, 1341-1347.	3.6	11
96	Structure of the Dispase Autolysis-inducing Protein from <i>Streptomyces mobaraensis</i> and Glutamine Cross-linking Sites for Transglutaminase. <i>Journal of Biological Chemistry</i> , 2016, 291, 20417-20426.	3.4	18
97	Balancing Selectivity and Efficacy of Bispecific Epidermal Growth Factor Receptor (EGFR) - c-MET Antibodies and Antibody-Drug Conjugates. <i>Journal of Biological Chemistry</i> , 2016, 291, 25106-25119.	3.4	66
98	Nanoscale Biodegradable Organic-Inorganic Hybrids for Efficient Cell Penetration and Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14842-14846.	13.8	16
99	Ein Apoptose-induzierendes Heptamer, das effizient den Todesrezeptor...5 ändert. <i>Angewandte Chemie</i> , 2016, 128, 5169-5173.	2.0	2
100	Coupled reactions on bioparticles: Stereoselective reduction with cofactor regeneration on PhaC inclusion bodies. <i>Biotechnology Journal</i> , 2016, 11, 890-898.	3.5	7
101	Isolation of a pH-Sensitive IgNAR Variable Domain from a Yeast-Displayed, Histidine-Doped Master Library. <i>Marine Biotechnology</i> , 2016, 18, 161-167.	2.4	31
102	Single-domain antibodies for biomedical applications. <i>Immunopharmacology and Immunotoxicology</i> , 2016, 38, 21-28.	2.4	64
103	Engineering a Constrained Peptidic Scaffold towards Potent and Selective Furin Inhibitors. <i>ChemBioChem</i> , 2015, 16, 2441-2444.	2.6	26
104	Locked by Design: A Conformationally Constrained Transglutaminase Tag Enables Efficient Site-Specific Conjugation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13420-13424.	13.8	49
105	Cystine-knot peptides targeting cancer-relevant human cytotoxic T lymphocyte-associated antigen 4 (CTLA-4). <i>Journal of Peptide Science</i> , 2015, 21, 651-660.	1.4	32
106	Aptamers Binding to c-Met Inhibiting Tumor Cell Migration. <i>PLoS ONE</i> , 2015, 10, e0142412.	2.5	16
107	Combination of inverse electron-demand Diels-Alder reaction with highly efficient oxime ligation expands the toolbox of site-selective peptide conjugations. <i>Chemical Communications</i> , 2015, 51, 11130-11133.	4.1	13
108	At-line mid infrared spectroscopy for monitoring downstream processing unit operations. <i>Process Biochemistry</i> , 2015, 50, 997-1005.	3.7	32

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109	The Shark Strikes Twice: Hypervariable Loop 2 of Shark IgNAR Antibody Variable Domains and Its Potential to Function as an Autonomous Paratope. <i>Marine Biotechnology</i> , 2015, 17, 386-392.	2.4	17
110	Bacterial Secretion Systems for Use in Biotechnology: Autotransporter-Based Cell Surface Display and Ultrahigh-Throughput Screening of Large Protein Libraries. <i>Springer Protocols</i> , 2015, , 87-103.	0.3	0
111	Structural insights and biomedical potential of IgNAR scaffolds from sharks. <i>MABs</i> , 2015, 7, 15-25.	5.2	102
112	A generic approach to engineer antibody pH-switches using combinatorial histidine scanning libraries and yeast display. <i>MABs</i> , 2015, 7, 138-151.	5.2	64
113	Self-Assembled Hybrid Aptamer-Fc Conjugates for Targeted Delivery: A Modular Chemoenzymatic Approach. <i>ACS Chemical Biology</i> , 2015, 10, 2158-2165.	3.4	27
114	REAL-Select: Full-Length Antibody Display and Library Screening by Surface Capture on Yeast Cells. <i>PLoS ONE</i> , 2014, 9, e114887.	2.5	31
115	Feasibility of polyelectrolyte-driven Fab fragment separation. <i>Biotechnology Journal</i> , 2014, 9, 698-701.	3.5	0
116	A general strategy for antibody library screening via conversion of transient target binding into permanent reporter deposition. <i>Protein Engineering, Design and Selection</i> , 2014, 27, 41-47.	2.1	4
117	Potent inhibitors of human matriptase based on the scaffold of sunflower trypsin inhibitor. <i>Journal of Peptide Science</i> , 2014, 20, 415-420.	1.4	42
118	Protein Production in <i>Yarrowia lipolytica</i> Via Fusion to the Secreted Lipase Lip2p. <i>Molecular Biotechnology</i> , 2014, 56, 79-90.	2.4	7
119	Required polymer lengths per precipitated protein molecule in protein-polymer interaction. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	2
120	Azobenzene switch with a long-lived cis-state to photocontrol the enzyme activity of a histone deacetylase-like amidohydrolase. <i>Biological Chemistry</i> , 2014, 395, 401-412.	2.5	12
121	A Chemoenzymatic Approach to Protein Immobilization onto Crystalline Cellulose Nanoscaffolds. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12618-12623.	13.8	48
122	Effective PHIP Labeling of Bioactive Peptides Boosts the Intensity of the NMR Signal. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12941-12945.	13.8	34
123	Therapeutic antibody engineering by high efficiency cell screening. <i>FEBS Letters</i> , 2014, 588, 278-287.	2.8	95
124	Shark Attack: High affinity binding proteins derived from shark vNAR domains by stepwise in vitro affinity maturation. <i>Journal of Biotechnology</i> , 2014, 191, 236-245.	3.8	74
125	Effektive Markierung von bioaktiven Peptiden mit PHIP-Markern zur Steigerung der Empfindlichkeit von NMR-Signalen. <i>Angewandte Chemie</i> , 2014, 126, 13155-13159.	2.0	13
126	Fragmentation Follows Structure: Top-Down Mass Spectrometry Elucidates the Topology of Engineered Cystine-Knot Miniproteins. <i>PLoS ONE</i> , 2014, 9, e108626.	2.5	5

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127	Polyelectrolyte-protein interaction at low ionic strength: required chain flexibility depending on protein average charge. <i>Colloid and Polymer Science</i> , 2013, 291, 1759-1769.	2.1	5
128	Feasibility study of semi-selective protein precipitation with salt-tolerant copolymers for industrial purification of therapeutic antibodies. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2915-2927.	3.3	23
129	PHIP-label: parahydrogen-induced polarization in propargylglycine-containing synthetic oligopeptides. <i>Chemical Communications</i> , 2013, 49, 7839.	4.1	29
130	Oxidative Folding of Peptides with Cystine-Knot Architectures: Kinetic Studies and Optimization of Folding Conditions. <i>ChemBioChem</i> , 2013, 14, 137-146.	2.6	26
131	Preparation and kinetic performance assessment of thick film 10 μ m open tubular silica capillaries in normal phase high pressure liquid chromatography. <i>Journal of Chromatography A</i> , 2013, 1315, 127-134.	3.7	26
132	Arranged Sevenfold: Structural Insights into the C-Terminal Oligomerization Domain of Human C4b-Binding Protein. <i>Journal of Molecular Biology</i> , 2013, 425, 1302-1317.	4.2	69
133	Performance evaluation of thick film open tubular silica capillary by reversed phase liquid chromatography. <i>Journal of Chromatography A</i> , 2013, 1283, 110-115.	3.7	25
134	Structural characterization of <i>Spinacia oleracea</i> trypsin inhibitor III (SOTI-III). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 114-120.	2.5	4
135	Combinatorial tuning of peptidic drug candidates: high-affinity matriptase inhibitors through incremental structure-guided optimization. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1848.	2.8	48
136	Bioconjugation on cube-octameric silsesquioxanes. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2224.	2.8	44
137	Cube-octameric silsesquioxane-mediated cargo peptide delivery into living cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2258-2265.	2.8	15
138	Host cell protein quantification by fourier transform mid infrared spectroscopy (FT-MIR). <i>Biotechnology and Bioengineering</i> , 2013, 110, 252-259.	3.3	34
139	Matrix effects during monitoring of antibody and host cell proteins using attenuated total reflection spectroscopy. <i>Biotechnology Progress</i> , 2013, 29, 265-274.	2.6	9
140	Customization of copolymers to optimize selectivity and yield in polymer-driven antibody purification processes. <i>Biotechnology Progress</i> , 2013, 29, 1484-1493.	2.6	2
141	Mid-infrared spectroscopy-based antibody aggregate quantification in cell culture fluids. <i>Biotechnology Journal</i> , 2013, 8, 912-917.	3.5	15
142	DegP Protease. , 2013, , 2567-2571.		0
143	Combinatorial Optimization of Cystine-Knot Peptides towards High-Affinity Inhibitors of Human Matriptase-1. <i>PLoS ONE</i> , 2013, 8, e76956.	2.5	55
144	From pico to nano: biofunctionalization of cube-octameric silsesquioxanes by peptides and miniproteins. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6287.	2.8	23

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145	Synthesis and characterization of new generation open tubular silica capillaries for liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1265, 88-94.	3.7	40
146	Between two worlds: a comparative study on in vitro and in silico inhibition of trypsin and matriptase by redox-stable SFTI-1 variants at near physiological pH. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7753.	2.8	25
147	A sensitive method for rapid detection of alkyl halides and dehalogenase activity using a multistep enzyme assay. <i>AMB Express</i> , 2012, 2, 51.	3.0	3
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149	Braces for the Peptide Backbone: Insights into Structure–Activity Relationships of Protease Inhibitor Mimics with Locked Amide Conformations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3708-3712.	13.8	62
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