Kai Johnsson

List of Publications by Year
in descending order

171 papers	18,607 citations	18436 62 h-index	12910 131 g-index
201 all docs	201 docs citations	201 times ranked	18015 citing authors

#	ARTICLE	IF	CITATIONS
1	Organization of 'nanocrystal molecules' using DNA. Nature, 1996, 382, 609-611.	13.7	2,852
2	A general method for the covalent labeling of fusion proteins with small molecules in vivo. Nature Biotechnology, 2003, 21, 86-89.	9.4	1,699
3	An Engineered Protein Tag for Multiprotein Labeling in Living Cells. Chemistry and Biology, 2008, 15, 128-136.	6.2	940
4	A near-infrared fluorophore for live-cell super-resolution microscopy of cellular proteins. Nature Chemistry, 2013, 5, 132-139.	6.6	779
5	Fluorogenic probes for live-cell imaging of the cytoskeleton. Nature Methods, 2014, 11, 731-733.	9.0	705
6	Labeling of fusion proteins with synthetic fluorophores in live cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9955-9959.	3.3	411
7	Computational design of ligand-binding proteins with high affinity and selectivity. Nature, 2013, 501, 212-216.	13.7	370
8	Small-Molecule Fluorescent Probes for Live-Cell Super-Resolution Microscopy. Journal of the American Chemical Society, 2019, 141, 2770-2781.	6.6	357
9	Specific Labeling of Cell Surface Proteins with Chemically Diverse Compounds. Journal of the American Chemical Society, 2004, 126, 8896-8897.	6.6	312
10	Directed Evolution of O6-Alkylguanine-DNA Alkyltransferase for Efficient Labeling of Fusion Proteins with Small Molecules In Vivo. Chemistry and Biology, 2003, 10, 313-317.	6.2	279
11	Mechanistic Studies of the Oxidation of Isoniazid by the Catalase Peroxidase from Mycobacterium tuberculosis. Journal of the American Chemical Society, 1994, 116, 7425-7426.	6.6	271
12	How to obtain labeled proteins and what to do with them. Current Opinion in Biotechnology, 2010, 21, 766-776.	3.3	259
13	SiRâ€"Hoechst is a far-red DNA stain for live-cell nanoscopy. Nature Communications, 2015, 6, 8497.	5.8	244
14	Synthesis, structure and activity of artificial, rationally designed catalytic polypeptides. Nature, 1993, 365, 530-532.	13.7	242
15	A general strategy to develop cell permeable and fluorogenic probes for multicolour nanoscopy. Nature Chemistry, 2020, 12, 165-172.	6.6	240
16	Development of SNAPâ€Tag Fluorogenic Probes for Washâ€Free Fluorescence Imaging. ChemBioChem, 2011, 12, 2217-2226.	1.3	237
17	FRET imaging reveals that functional neurokinin-1 receptors are monomeric and reside in membrane microdomains of live cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2138-2143.	3.3	218
18	Fluorogenic Probes for Multicolor Imaging in Living Cells. Journal of the American Chemical Society, 2016, 138, 9365-9368.	6.6	218

#	Article	IF	Citations
19	Chemical Tools for Biomolecular Imaging. ACS Chemical Biology, 2007, 2, 31-38.	1.6	217
20	Protein-Functionalized Polymer Brushes. Biomacromolecules, 2005, 6, 1602-1607.	2.6	214
21	Studies on the Mechanism of Action of Isoniazid and Ethionamide in the Chemotherapy of Tuberculosis. Journal of the American Chemical Society, 1995, 117, 5009-5010.	6.6	204
22	Identification of a small molecule with activity against drug-resistant and persistent tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2510-7.	3.3	188
23	Benzothiazinones: Prodrugs That Covalently Modify the Decaprenylphosphoryl-Î²-<scp>d</scp>-ribose 2â€²-epimerase DprE1 of <i>Mycobacterium tuberculosis</i>. Journal of the American Chemical Society, 2010, 132, 13663-13665.	6.6	185
24	Imaging and manipulating proteins in live cells through covalent labeling. Nature Chemical Biology, 2015, 11, 917-923.	3.9	184
25	The metabolite BH4 controls T cell proliferation in autoimmunity and cancer. Nature, 2018, 563, 564-568.	13.7	174
26	Labeling of fusion proteins of O6-alkylguanine-DNA alkyltransferase with small molecules in vivo and in vitro. Methods, 2004, 32, 437-444.	1.9	172
27	Chemical probes shed light on protein function. Current Opinion in Structural Biology, 2007, 17, 488-494.	2.6	171
28	Bioluminescent sensor proteins for point-of-care therapeutic drug monitoring. Nature Chemical Biology, 2014, 10, 598-603.	3.9	161
29	SLC25A51 is a mammalian mitochondrial NAD+ transporter. Nature, 2020, 588, 174-179.	13.7	158
30	Benzothiazinones Are Suicide Inhibitors of Mycobacterial Decaprenylphosphoryl-Î²-<scp>d</scp>-ribofuranose 2â€²-Oxidase DprE1. Journal of the American Chemical Society, 2012, 134, 912-915.	6.6	155
31	Covalent and Selective Immobilization of Fusion Proteins. Journal of the American Chemical Society, 2003, 125, 7810-7811.	6.6	149
32	Regulation of glutamate metabolism by protein kinases in mycobacteria. Molecular Microbiology, 2008, 70, 1408-1423.	1.2	147
33	Overexpression, Purification, and Characterization of the Catalase-peroxidase KatG from Mycobacterium tuberculosis. Journal of Biological Chemistry, 1997, 272, 2834-2840.	1.6	144
34	Directed evolution of O6-alkylguanine-DNA alkyltransferase for applications in protein labeling. Protein Engineering, Design and Selection, 2006, 19, 309-316.	1.0	136
35	Real-Time Measurements of Protein Dynamics Using Fluorescence Activation-Coupled Protein Labeling Method. Journal of the American Chemical Society, 2011, 133, 6745-6751.	6.6	122
36	Semisynthetic sensor proteins enable metabolic assays at the point of care. Science, 2018, 361, 1122-1126.	6.0	120

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37	Semisynthetic Fluorescent Sensor Proteins Based on Self-Labeling Protein Tags. Journal of the American Chemical Society, 2009, 131, 5873-5884.	6.6	115
38	A yeast-based screen reveals that sulfasalazine inhibits tetrahydrobiopterin biosynthesis. Nature Chemical Biology, 2011, 7, 375-383.	3.9	111
39	Localizable and Highly Sensitive Calcium Indicator Based on a BODIPY Fluorophore. Analytical Chemistry, 2010, 82, 6472-6479.	3.2	110
40	Use of site-directed mutagenesis to probe the structure, function and isoniazid activation of the catalase/peroxidase, KatG, from Mycobacterium tuberculosis. Biochemical Journal, 1999, 338, 753-760.	1.7	108
41	Photoactivatable and Photoconvertible Fluorescent Probes for Protein Labeling. ACS Chemical Biology, 2010, 5, 507-516.	1.6	104
42	Selective Chemical Crosslinking Reveals a Cep57-Cep63-Cep152 Centrosomal Complex. Current Biology, 2013, 23, 265-270.	1.8	102
43	Reduction of Neuropathic and Inflammatory Pain through Inhibition of the Tetrahydrobiopterin Pathway. Neuron, 2015, 86, 1393-1406.	3.8	101
44	Indo-1 Derivatives for Local Calcium Sensing. ACS Chemical Biology, 2009, 4, 179-190.	1.6	98
45	Adding value to fusion proteins through covalent labelling. Current Opinion in Biotechnology, 2005, 16, 453-458.	3.3	96
46	A Fluorescent Sensor for GABA and Synthetic GABA_B Receptor Ligands. Journal of the American Chemical Society, 2012, 134, 19026-19034.	6.6	93
47	Control of mechanical pain hypersensitivity in mice through ligand-targeted photoablation of TrkB-positive sensory neurons. Nature Communications, 2018, 9, 1640.	5.8	93
48	Super-resolution microscopy compatible fluorescent probes reveal endogenous glucagon-like peptide-1 receptor distribution and dynamics. Nature Communications, 2020, 11, 467.	5.8	88
49	A Semisynthetic Fluorescent Sensor Protein for Glutamate. Journal of the American Chemical Society, 2012, 134, 7676-7678.	6.6	87
50	Tetrahydrobiopterin Biosynthesis as an Off-Target of Sulfa Drugs. Science, 2013, 340, 987-991.	6.0	87
51	A Fluorogenic Probe for SNAP-Tagged Plasma Membrane Proteins Based on the Solvatochromic Molecule Nile Red. ACS Chemical Biology, 2014, 9, 606-612.	1.6	85
52	Semisynthetic biosensors for mapping cellular concentrations of nicotinamide adenine dinucleotides. ELife, 2018, 7, .	2.8	84
53	Spontaneous Formation of the Bioactive Form of the Tuberculosis Drug Isoniazid. Angewandte Chemie - International Edition, 1999, 38, 2588-2590.	7.2	82
54	Directed Evolution of the Suicide Protein <i>O</i>⁶-Alkylguanine-DNA Alkyltransferase for Increased Reactivity Results in an Alkylated Protein with Exceptional Stability. Biochemistry, 2012, 51, 986-994.	1.2	80

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55	Multicolor Imaging of Cell Surface Proteins. Journal of the American Chemical Society, 2005, 127, 12770-12771.	6.6	79
56	A Caged, Localizable Rhodamine Derivative for Superresolution Microscopy. ACS Chemical Biology, 2012, 7, 289-293.	1.6	79
57	Acetylated tubulin is essential for touch sensation in mice. ELife, 2016, 5, .	2.8	78
58	Kinetic and Structural Characterization of the Self-Labeling Protein Tags HaloTag7, SNAP-tag, and CLIP-tag. Biochemistry, 2021, 60, 2560-2575.	1.2	78
59	Computational design of environmental sensors for the potent opioid fentanyl. ELife, 2017, 6, .	2.8	78
60	Systematic Tuning of Rhodamine Spirocyclization for Super-resolution Microscopy. Journal of the American Chemical Society, 2021, 143, 14592-14600.	6.6	77
61	Phosphopantetheinyl Transferase-Catalyzed Formation of Bioactive Hydrogels for Tissue Engineering. Journal of the American Chemical Society, 2010, 132, 5972-5974.	6.6	73
62	Measuring InÂVivo Protein Half-Life. Chemistry and Biology, 2011, 18, 805-815.	6.2	71
63	Engineering Substrate Specificity of O6-Alkylguanine-DNA Alkyltransferase for Specific Protein Labeling in Living Cells. ChemBioChem, 2005, 6, 1263-1269.	1.3	68
64	Semisynthesis of Fluorescent Metabolite Sensors on Cell Surfaces. Journal of the American Chemical Society, 2011, 133, 16235-16242.	6.6	66
65	Selective Cross-Linking of Interacting Proteins Using Self-Labeling Tags. Journal of the American Chemical Society, 2009, 131, 17954-17962.	6.6	65
66	Engineered HaloTag variants for fluorescence lifetime multiplexing. Nature Methods, 2022, 19, 65-70.	9.0	65
67	Bioluminescent Antibodies for Pointâ€ofâ€Care Diagnostics. Angewandte Chemie - International Edition, 2017, 56, 7112-7116.	7.2	64
68	Luciferases with Tunable Emission Wavelengths. Angewandte Chemie - International Edition, 2017, 56, 14556-14560.	7.2	63
69	Genetic targeting of chemical indicators in vivo. Nature Methods, 2015, 12, 137-139.	9.0	61
70	Directed Molecular Evolution of Cytochrome c Peroxidase. Biochemistry, 2000, 39, 10790-10798.	1.2	58
71	Chemogenetic Control of Nanobodies. Nature Methods, 2020, 17, 279-282.	9.0	58
72	Protein Function Microarrays Based on Self-Immobilizing and Self-Labeling Fusion Proteins. ChemBioChem, 2006, 7, 194-202.	1.3	54

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73	WhiB5, a Transcriptional Regulator That Contributes to Mycobacterium tuberculosis Virulence and Reactivation. Infection and Immunity, 2012, 80, 3132-3144.	1.0	54
74	A Fusion of Disciplines: Chemical Approaches to Exploit Fusion Proteins for Functional Genomics. ChemBioChem, 2003, 4, 803-810.	1.3	53
75	Protein Chemistry on the Surface of Living Cells. ChemBioChem, 2005, 6, 47-52.	1.3	53
76	Induced Protein Dimerization in Vivo through Covalent Labeling. Journal of the American Chemical Society, 2003, 125, 14970-14971.	6.6	51
77	Environmentally Sensitive Colorâ€Shifting Fluorophores for Bioimaging. Angewandte Chemie - International Edition, 2020, 59, 21880-21884.	7.2	49
78	A synergistic strategy to develop photostable and bright dyes with long Stokes shift for nanoscopy. Nature Communications, 2022, 13, 2264.	5.8	49
79	Photoactivation of silicon rhodamines via a light-induced protonation. Nature Communications, 2019, 10, 4580.	5.8	48
80	Liver-specific ablation of KrÃ¼ppel-associated box-associated protein 1 in mice leads to male-predominant hepatosteatosis and development of liver adenoma. Hepatology, 2012, 56, 1279-1290.	3.6	47
81	A General Strategy for the Semisynthesis of Ratiometric Fluorescent Sensor Proteins with Increased Dynamic Range. Journal of the American Chemical Society, 2016, 138, 5258-5261.	6.6	46
82	Tetrahydrobiopterin Biosynthesis as a Potential Target of the Kynurenine Pathway Metabolite Xanthurenic Acid. Journal of Biological Chemistry, 2016, 291, 652-657.	1.6	45
83	Visualizing biochemical activities in living cells. Nature Chemical Biology, 2009, 5, 63-65.	3.9	44
84	Modulating protein activity using tethered ligands with mutually exclusive binding sites. Nature Communications, 2015, 6, 7830.	5.8	41
85	SNAP-Tagged Nanobodies Enable Reversible Optical Control of a G Protein-Coupled Receptor <i>via</i> a Remotely Tethered Photoswitchable Ligand. ACS Chemical Biology, 2018, 13, 2682-2688.	1.6	41
86	Sensing Acetylcholine and Anticholinesterase Compounds. Angewandte Chemie - International Edition, 2014, 53, 1302-1305.	7.2	39
87	NanoSIMS analysis of an isotopically labelled organometallic ruthenium(<scp>ii</scp>) drug to probe its distribution and state in vitro. Chemical Communications, 2015, 51, 16486-16489.	2.2	39
88	Use of site-directed mutagenesis to probe the structure, function and isoniazid activation of the catalase/peroxidase, KatG, from Mycobacterium tuberculosis. Biochemical Journal, 1999, 338, 753.	1.7	38
89	Triplet Imaging of Oxygen Consumption during the Contraction of a Single Smooth Muscle Cell (A7r5). Biophysical Journal, 2010, 98, 339-349.	0.2	37
90	A biosensor for measuring NAD+ levels at the point of care. Nature Metabolism, 2019, 1, 1219-1225.	5.1	37

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91	Switchable fluorophores for protein labeling in living cells. Current Opinion in Chemical Biology, 2011, 15, 768-774.	2.8	34
92	Differences in cisplatin distribution in sensitive and resistant ovarian cancer cells: a TEM/NanoSIMS study. Metallomics, 2017, 9, 1413-1420.	1.0	34
93	A Chemogenetic Approach for the Optical Monitoring of Voltage in Neurons. Angewandte Chemie - International Edition, 2019, 58, 2341-2344.	7.2	34
94	Sampling and energy evaluation challenges in ligand binding protein design. Protein Science, 2017, 26, 2426-2437.	3.1	34
95	Substrates for Improved Live-Cell Fluorescence Labeling of SNAP-tag. Current Pharmaceutical Design, 2013, 19, 5414-5420.	0.9	34
96	A Covalent Chemical Genotypeâ€"Phenotype Linkage for in vitro Protein Evolution. ChemBioChem, 2007, 8, 2191-2194.	1.3	33
97	Inducing and Sensing Proteinâ€"Protein Interactions in Living Cells by Selective Cross-linking. Angewandte Chemie - International Edition, 2007, 46, 4281-4284.	7.2	33
98	Protein tag-mediated conjugation of oligonucleotides to recombinant affinity binders for proximity ligation. New Biotechnology, 2013, 30, 144-152.	2.4	33
99	Labelling cell structures and tracking cell lineage in zebrafish using SNAP-tag. Developmental Dynamics, 2011, 240, 820-827.	0.8	31
100	Mitochondrial NAD+ Controls Nuclear ARTD1-Induced ADP-Ribosylation. Molecular Cell, 2021, 81, 340-354.e5.	4.5	31
101	Covalent labeling of cell-surface proteins for in-vivo FRET studies. FEBS Letters, 2006, 580, 1654-1658.	1.3	29
102	A New Fluorogenic Small-Molecule Labeling Tool for Surface Diffusion Analysis and Advanced Fluorescence Imaging of Î²-Site Amyloid Precursor Protein-Cleaving Enzyme 1 Based on Silicone Rhodamine: SiR-BACE1. Journal of Medicinal Chemistry, 2018, 61, 6121-6139.	2.9	29
103	Synthesis and Applications of Chemical Probes for HumanO6-Alkylguanine-DNA Alkyltransferase. ChemBioChem, 2001, 2, 285-287.	1.3	28
104	Activatable fluorescent probes for hydrolase enzymes based on coumarinâ€"hemicyanine hybrid fluorophores with large Stokes shifts. Chemical Communications, 2020, 56, 5617-5620.	2.2	28
105	Synthesis and characterization of bifunctional probes for the specific labeling of fusion proteins. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2725-2728.	1.0	27
106	Changing the Substrate Specificity of Cytochrome c Peroxidase Using Directed Evolution. Biochemical and Biophysical Research Communications, 2001, 286, 126-132.	1.0	26
107	A discontinuous epitope on p36, the major substrate of src tyrosine-protein-kinase, brings the phosphorylation site into the neighbourhood of a consensus sequence for Ca2+/lipid-binding proteins. FEBS Letters, 1988, 236, 201-204.	1.3	25
108	Evolving the Substrate Specificity of O6-Alkylguanine-DNA Alkyltransferase through Loop Insertion for Applications in Molecular Imaging. ACS Chemical Biology, 2006, 1, 575-584.	1.6	25

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109	A split-protein sensor for studying proteinâ€“protein interaction in mycobacteria. Journal of Microbiological Methods, 2008, 73, 79-84.	0.7	25
110	Caged Substrates for Protein Labeling and Immobilization. ChemBioChem, 2008, 9, 38-41.	1.3	24
111	Fluorescent and Bioluminescent Calcium Indicators with Tuneable Colors and Affinities. Journal of the American Chemical Society, 2022, 144, 6928-6935.	6.6	24
112	Transforming a (Î²/Î±)8-Barrel Enzyme into a Split-Protein Sensor through Directed Evolution. Chemistry and Biology, 2004, 11, 681-689.	6.2	23
113	Post-translational Covalent Labeling Reveals Heterogeneous Mobility of Individual G Protein-Coupled Receptors in Living Cells. ChemBioChem, 2006, 7, 908-911.	1.3	23
114	Identification of aminopyrimidineâ€sulfonamides as potent modulators of Wag31â€mediated cell elongation in mycobacteria. Molecular Microbiology, 2017, 103, 13-25.	1.2	22
115	A Designed Protein for the Specific and Covalent Heteroconjugation of Biomolecules. Bioconjugate Chemistry, 2008, 19, 1753-1756.	1.8	20
116	Evaluating Cellular Drug Uptake with Fluorescent Sensor Proteins. ACS Sensors, 2017, 2, 1191-1197.	4.0	20
117	Targeted Photoswitchable Probe for Nanoscopy of Biological Structures. ChemBioChem, 2010, 11, 1361-1363.	1.3	19
118	Investigating Endocytic Pathways to the Endoplasmic Reticulum and to the Cytosol Using <scp>SNAP</scp>â€Trap. Traffic, 2013, 14, 36-46.	1.3	19
119	Expression proteomics study to determine metallodrug targets and optimal drug combinations. Scientific Reports, 2017, 7, 1590.	1.6	19
120	Exploiting Ligand-Protein Conjugates to Monitor Ligand-Receptor Interactions. PLoS ONE, 2012, 7, e37598.	1.1	18
121	Environmentally Sensitive Colorâ€Shifting Fluorophores for Bioimaging. Angewandte Chemie, 2020, 132, 22064-22068.	1.6	18
122	Fluorescent Labeling of SNAP-Tagged Proteins in Cells. Methods in Molecular Biology, 2015, 1266, 107-118.	0.4	17
123	Examining Reactivity and Specificity of Cytochrome c Peroxidase by using Combinatorial Mutagenesis. ChemBioChem, 2002, 3, 1097-1104.	1.3	16
124	Subunit-specific surface mobility of differentially labeled AMPA receptor subunits. European Journal of Cell Biology, 2008, 87, 763-778.	1.6	16
125	Triple Helix Binding of Oligodeoxyribonucleotides Containing 8-Oxo-2â€²-deoxyadenosine. Nucleosides & Nucleotides, 1993, 12, 237-243.	0.5	15
126	Inter- and intramolecular domain interactions of the catalase-peroxidase KatG fromM. tuberculosis. FEBS Letters, 2001, 509, 272-276.	1.3	15

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127	DNA repair protein O6-methylguanine-DNA methyltransferase in testis and testicular tumors as determined by a novel nonradioactive assay. Analytical Biochemistry, 2003, 321, 38-43.	1.1	15
128	Fura-2FF-based calcium indicator for protein labeling. Organic and Biomolecular Chemistry, 2010, 8, 3398.	1.5	15
129	Visualizing Biochemical Activities in Living Cells through Chemistry. Chimia, 2011, 65, 868-871.	0.3	14
130	Strategic blinking. Nature Chemistry, 2014, 6, 663-664.	6.6	14
131	Live-Cell Fluorescence Lifetime Multiplexing Using Synthetic Fluorescent Probes. ACS Chemical Biology, 2022, 17, 1321-1327.	1.6	14
132	Directed Evolution as a Means to Create Enantioselective Enzymes for Use in Organic Chemistry. , 0, , 245-279.		13
133	Bioluminescent Antibodies for Pointâ€ofâ€Care Diagnostics. Angewandte Chemie, 2017, 129, 7218-7222.	1.6	13
134	Rational Design and Applications of Semisynthetic Modular Biosensors: SNIFITs and LUCIDs. Methods in Molecular Biology, 2017, 1596, 101-117.	0.4	13
135	[Letter to the editor]: Commercial Cdk1 antibodies recognize the centrosomal protein Cep152. BioTechniques, 2013, 55, 111-114.	0.8	12
136	Construction of Environmental Libraries for Functional Screening of Enzyme Activity. , 0, , 63-78.		11
137	Luciferases with Tunable Emission Wavelengths. Angewandte Chemie, 2017, 129, 14748-14752.	1.6	10
138	The Laboratory in a Droplet. Chemistry and Biology, 2005, 12, 1255-1257.	6.2	9
139	Searching for the Protein Targets of Bioactive Molecules. Chimia, 2011, 65, 720.	0.3	9
140	6,11-Dioxobenzo[<i>f</i>]pyrido[1,2-<i>a</i>]indoles Kill <i>Mycobacterium tuberculosis</i> by Targeting Ironâ€"Sulfur Protein Rv0338c (IspQ), A Putative Redox Sensor. ACS Infectious Diseases, 2020, 6, 3015-3025.	1.8	9
141	Yeast Threeâ€Hybrid Screening for Identifying Antiâ€Tuberculosis Drug Targets. ChemBioChem, 2013, 14, 2239-2242.	1.3	8
142	A ligand-based system for receptor-specific delivery of proteins. Scientific Reports, 2019, 9, 19214.	1.6	8
143	Sequential in vivo labeling of insulin secretory granule pools in<i>INS</i>-<i>SNAP</i>transgenic pigs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
144	Unintended specificity of an engineered ligand-binding protein facilitated by unpredicted plasticity of the protein fold. Protein Engineering, Design and Selection, 2018, 31, 375-387.	1.0	6

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145	A Chemogenetic Approach for the Optical Monitoring of Voltage in Neurons. Angewandte Chemie, 2019, 131, 2363-2366.	1.6	6
146	Towards the Generation of Artificial O6-Alkylguanine-DNA Alkyltransferases: In Vitro Selection of Antibodies with Reactive Cysteine Residues. ChemBioChem, 2002, 3, 573.	1.3	5
147	Using Peptide Loop Insertion Mutagenesis for the Evolution of Proteins. Methods in Molecular Biology, 2010, 634, 217-232.	0.4	5
148	Chemical Genetic Screen Identifies Natural Products that Modulate Centriole Number. ChemBioChem, 2016, 17, 2063-2074.	1.3	5
149	Engineering Protein Evolution. , 0, , 177-213.		4
150	Applied Molecular Evolution of Enzymes Involved in Synthesis and Repair of DNA. , 0, , 281-307.		4
151	Highly Modular Bioluminescent Sensors for Small Molecules and Proteins. Methods in Enzymology, 2017, 589, 365-382.	0.4	4
152	Evolutionary Generation Versus Rational Design of Restriction Endonucleases with Novel Specificity. , 0, , 309-327.		3
153	Chimeric streptavidins with reduced valencies. Nature Methods, 2006, 3, 247-248.	9.0	3
154	Chemical Biology Approaches to Membrane Homeostasis and Function. Chimia, 2011, 65, 849-852.	0.3	3
155	AGT/SNAP-Tag: A Versatile Tag for Covalent Protein Labeling. , 0, , 89-107.		2
156	NCCR Chemical Biology: Interdisciplinary Research Excellence, Outreach, Education, and New Tools for Switzerland. Chimia, 2011, 65, 832-834.	0.3	2
157	Exploring the Diversity of Heme Enzymes through Directed Evolution. , 0, , 215-243.		1
158	Investigation of Phage Display for the Directed Evolution of Enzymes. , 0, , 79-110.		1
159	Directed Evolution of Binding Proteins by Cell Surface Display: Analysis of the Screening Process. , 0, , 111-126.		1
160	Advanced Screening Strategies for Biocatalyst Discovery. , 0, , 159-175.		1
161	Covalent Labeling of Fusion Proteins with Chemical Probes in Living Cells. Chimia, 2003, 57, 181-183.	0.3	1
162	PEG-based bioactive hydrogels crosslinked via phosphopantetheinyl transferase. Materials Research Society Symposia Proceedings, 2010, 1272, 1.	0.1	1

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163	Triplet Imaging of Oxygen Consumption During the Contraction of a Single Smooth Muscle Cell (A7r5). Advances in Experimental Medicine and Biology, 2012, 737, 263-268.	0.8	1
164	Using Evolutionary Strategies to Investigate the Structure and Function of Chorismate Mutases. , 0, , 29-62.		0
165	Yeast n-Hybrid Systems for Molecular Evolution. , 0, , 127-158.		0
166	Evolutionary Generation of Enzymes with Novel Substrate Specificities. , 0, , 329-341.		0
167	Evolutionary Biotechnology â€“ From Ideas and Concepts to Experiments and Computer Simulations. , 0, , 5-28.		0
168	Front Matter and Subject Index. , 0, , i-x.		0
169	A Fusion of Disciplines: Chemical Approaches to Exploit Fusion Proteins for Functional Genomics. ChemInform, 2003, 34, no.	0.1	0
170	Fast Directed Evolution of Non-Immunoglobulin Proteins by Somatic Hypermutation in Immune Cells. ChemBioChem, 2005, 6, 804-806.	1.3	0
171	Inside Cover: Development of SNAP-Tag Fluorogenic Probes for Wash-Free Fluorescence Imaging (ChemBioChem 14/2011). ChemBioChem, 2011, 12, 2102-2102.	1.3	0