

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

174 papers	14,850 citations	55 h-index	121 g-index
201 ext. papers	16,897 ext. citations	10.4 avg, IF	6.38 L-index

#	Paper	IF	Citations
174	Organization of Nanocrystal molecules Using DNA. <i>Nature</i> , <b>1996</b> , 382, 609-11	50.4	2569
173	A general method for the covalent labeling of fusion proteins with small molecules in vivo. <i>Nature Biotechnology</i> , <b>2003</b> , 21, 86-9	44.5	1394
172	An engineered protein tag for multiprotein labeling in living cells. <i>Chemistry and Biology</i> , <b>2008</b> , 15, 128-36		750
171	A near-infrared fluorophore for live-cell super-resolution microscopy of cellular proteins. <i>Nature Chemistry</i> , <b>2013</b> , 5, 132-9	17.6	607
170	Fluorogenic probes for live-cell imaging of the cytoskeleton. <i>Nature Methods</i> , <b>2014</b> , 11, 731-3	21.6	507
169	Labeling of fusion proteins with synthetic fluorophores in live cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 9955-9	11.5	362
168	Computational design of ligand-binding proteins with high affinity and selectivity. <i>Nature</i> , <b>2013</b> , 501, 212-216	50.4	299
167	Specific labeling of cell surface proteins with chemically diverse compounds. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 8896-7	16.4	283
166	Mechanistic Studies of the Oxidation of Isoniazid by the Catalase Peroxidase from Mycobacterium tuberculosis. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 7425-7426	16.4	239
165	How to obtain labeled proteins and what to do with them. <i>Current Opinion in Biotechnology</i> , <b>2010</b> , 21, 766-76	11.4	235
164	Directed evolution of O6-alkylguanine-DNA alkyltransferase for efficient labeling of fusion proteins with small molecules in vivo. <i>Chemistry and Biology</i> , <b>2003</b> , 10, 313-7		231
163	Small-Molecule Fluorescent Probes for Live-Cell Super-Resolution Microscopy. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2770-2781	16.4	215
162	Chemical tools for biomolecular imaging. <i>ACS Chemical Biology</i> , <b>2007</b> , 2, 31-8	4.9	205
161	Protein-functionalized polymer brushes. <i>Biomacromolecules</i> , <b>2005</b> , 6, 1602-7	6.9	199
160	Development of SNAP-tag fluorogenic probes for wash-free fluorescence imaging. <i>ChemBioChem</i> , <b>2011</b> , 12, 2217-26	3.8	197
159	FRET imaging reveals that functional neurokinin-1 receptors are monomeric and reside in membrane microdomains of live cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 2138-43	11.5	196
158	Synthesis, structure and activity of artificial, rationally designed catalytic polypeptides. <i>Nature</i> , <b>1993</b> , 365, 530-2	50.4	195

157	Studies on the Mechanism of Action of Isoniazid and Ethionamide in the Chemotherapy of Tuberculosis. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 5009-5010	16.4	184
156	SiR-Hoechst is a far-red DNA stain for live-cell nanoscopy. <i>Nature Communications</i> , <b>2015</b> , 6, 8497	17.4	171
155	Chemical probes shed light on protein function. <i>Current Opinion in Structural Biology</i> , <b>2007</b> , 17, 488-94	8.1	155
154	Identification of a small molecule with activity against drug-resistant and persistent tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E2510-7	11.5	150
153	Fluorogenic Probes for Multicolor Imaging in Living Cells. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9365-8	16.4	149
152	Benzothiazinones: prodrugs that covalently modify the decaprenylphosphoryl- $\beta$ -D-ribose 2Sepimerase DprE1 of Mycobacterium tuberculosis. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 13663-5	16.4	149
151	Labeling of fusion proteins of O6-alkylguanine-DNA alkyltransferase with small molecules in vivo and in vitro. <i>Methods</i> , <b>2004</b> , 32, 437-44	4.6	139
150	Imaging and manipulating proteins in live cells through covalent labeling. <i>Nature Chemical Biology</i> , <b>2015</b> , 11, 917-23	11.7	137
149	Covalent and selective immobilization of fusion proteins. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 7810-1	16.4	137
148	Regulation of glutamate metabolism by protein kinases in mycobacteria. <i>Molecular Microbiology</i> , <b>2008</b> , 70, 1408-23	4.1	130
147	Benzothiazinones are suicide inhibitors of mycobacterial decaprenylphosphoryl- $\beta$ -D-ribofuranose 2Soxidase DprE1. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 912-5	16.4	126
146	Bioluminescent sensor proteins for point-of-care therapeutic drug monitoring. <i>Nature Chemical Biology</i> , <b>2014</b> , 10, 598-603	11.7	122
145	A general strategy to develop cell permeable and fluorogenic probes for multicolour nanoscopy. <i>Nature Chemistry</i> , <b>2020</b> , 12, 165-172	17.6	115
144	Directed evolution of O6-alkylguanine-DNA alkyltransferase for applications in protein labeling. <i>Protein Engineering, Design and Selection</i> , <b>2006</b> , 19, 309-16	1.9	114
143	Overexpression, purification, and characterization of the catalase-peroxidase KatG from Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 2834-40	5.4	111
142	Real-time measurements of protein dynamics using fluorescence activation-coupled protein labeling method. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6745-51	16.4	108
141	Use of site-directed mutagenesis to probe the structure, function and isoniazid activation of the catalase/peroxidase, KatG, from Mycobacterium tuberculosis. <i>Biochemical Journal</i> , <b>1999</b> , 338, 753-760	3.8	103
140	The metabolite BH4 controls T <sub>H</sub> cell proliferation in autoimmunity and cancer. <i>Nature</i> , <b>2018</b> , 563, 564-568	50.4	103

- <sup>139</sup> A yeast-based screen reveals that sulfasalazine inhibits tetrahydrobiopterin biosynthesis. *Nature Chemical Biology*, **2011**, 7, 375-83 11.7 97
- <sup>138</sup> Localizable and highly sensitive calcium indicator based on a BODIPY fluorophore. *Analytical Chemistry*, **2010**, 82, 6472-9 7.8 96
- <sup>137</sup> Semisynthetic fluorescent sensor proteins based on self-labeling protein tags. *Journal of the American Chemical Society*, **2009**, 131, 5873-84 16.4 94
- <sup>136</sup> Photoactivatable and photoconvertible fluorescent probes for protein labeling. *ACS Chemical Biology*, **2010**, 5, 507-16 4.9 93
- <sup>135</sup> Adding value to fusion proteins through covalent labelling. *Current Opinion in Biotechnology*, **2005**, 16, 453-8 11.4 89
- <sup>134</sup> Indo-1 derivatives for local calcium sensing. *ACS Chemical Biology*, **2009**, 4, 179-190 4.9 88
- <sup>133</sup> A fluorescent sensor for GABA and synthetic GABA(B) receptor ligands. *Journal of the American Chemical Society*, **2012**, 134, 19026-34 16.4 81
- <sup>132</sup> Selective chemical crosslinking reveals a Cep57-Cep63-Cep152 centrosomal complex. *Current Biology*, **2013**, 23, 265-70 6.3 78
- <sup>131</sup> Semisynthetic sensor proteins enable metabolic assays at the point of care. *Science*, **2018**, 361, 1122-1126 33.3 78
- <sup>130</sup> Reduction of Neuropathic and Inflammatory Pain through Inhibition of the Tetrahydrobiopterin Pathway. *Neuron*, **2015**, 86, 1393-406 13.9 76
- <sup>129</sup> A semisynthetic fluorescent sensor protein for glutamate. *Journal of the American Chemical Society*, **2012**, 134, 7676-8 16.4 76
- <sup>128</sup> Multicolor imaging of cell surface proteins. *Journal of the American Chemical Society*, **2005**, 127, 12770-12776 16.4 76
- <sup>127</sup> Spontaneous Formation of the Bioactive Form of the Tuberculosis Drug Isoniazid. *Angewandte Chemie - International Edition*, **1999**, 38, 2588-2590 16.4 72
- <sup>126</sup> A fluorogenic probe for SNAP-tagged plasma membrane proteins based on the solvatochromic molecule Nile Red. *ACS Chemical Biology*, **2014**, 9, 606-12 4.9 69
- <sup>125</sup> Phosphopantetheinyl transferase-catalyzed formation of bioactive hydrogels for tissue engineering. *Journal of the American Chemical Society*, **2010**, 132, 5972-4 16.4 68
- <sup>124</sup> Tetrahydrobiopterin biosynthesis as an off-target of sulfa drugs. *Science*, **2013**, 340, 987-91 33.3 65
- <sup>123</sup> A caged, localizable rhodamine derivative for superresolution microscopy. *ACS Chemical Biology*, **2012**, 7, 289-93 4.9 63
- <sup>122</sup> Measuring in vivo protein half-life. *Chemistry and Biology*, **2011**, 18, 805-15 6.3 63

121	Semisynthesis of fluorescent metabolite sensors on cell surfaces. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 16235-42	16.4	62
120	Selective cross-linking of interacting proteins using self-labeling tags. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17954-62	16.4	57
119	Directed evolution of the suicide protein O <sup>6</sup> -alkylguanine-DNA alkyltransferase for increased reactivity results in an alkylated protein with exceptional stability. <i>Biochemistry</i> , <b>2012</b> , 51, 986-94	3.2	55
118	Engineering substrate specificity of O <sup>6</sup> -alkylguanine-DNA alkyltransferase for specific protein labeling in living cells. <i>ChemBioChem</i> , <b>2005</b> , 6, 1263-9	3.8	55
117	Directed molecular evolution of cytochrome c peroxidase. <i>Biochemistry</i> , <b>2000</b> , 39, 10790-8	3.2	55
116	SLC25A51 is a mammalian mitochondrial NAD transporter. <i>Nature</i> , <b>2020</b> , 588, 174-179	50.4	55
115	Control of mechanical pain hypersensitivity in mice through ligand-targeted photoablation of TrkB-positive sensory neurons. <i>Nature Communications</i> , <b>2018</b> , 9, 1640	17.4	51
114	Acetylated tubulin is essential for touch sensation in mice. <i>ELife</i> , <b>2016</b> , 5,	8.9	51
113	Semisynthetic biosensors for mapping cellular concentrations of nicotinamide adenine dinucleotides. <i>ELife</i> , <b>2018</b> , 7,	8.9	50
112	Protein function microarrays based on self-immobilizing and self-labeling fusion proteins. <i>ChemBioChem</i> , <b>2006</b> , 7, 194-202	3.8	49
111	Genetic targeting of chemical indicators in vivo. <i>Nature Methods</i> , <b>2015</b> , 12, 137-9	21.6	48
110	Protein chemistry on the surface of living cells. <i>ChemBioChem</i> , <b>2005</b> , 6, 47-52	3.8	47
109	Induced protein dimerization in vivo through covalent labeling. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14970-1	16.4	46
108	Bioluminescent Antibodies for Point-of-Care Diagnostics. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7112-7116	16.4	44
107	WhiB5, a transcriptional regulator that contributes to Mycobacterium tuberculosis virulence and reactivation. <i>Infection and Immunity</i> , <b>2012</b> , 80, 3132-44	3.7	44
106	Computational design of environmental sensors for the potent opioid fentanyl. <i>ELife</i> , <b>2017</b> , 6,	8.9	44
105	Visualizing biochemical activities in living cells. <i>Nature Chemical Biology</i> , <b>2009</b> , 5, 63-5	11.7	42
104	A fusion of disciplines: chemical approaches to exploit fusion proteins for functional genomics. <i>ChemBioChem</i> , <b>2003</b> , 4, 803-10	3.8	42

103	Super-resolution microscopy compatible fluorescent probes reveal endogenous glucagon-like peptide-1 receptor distribution and dynamics. <i>Nature Communications</i> , <b>2020</b> , 11, 467	17.4	41
102	Liver-specific ablation of Krüppel-associated box-associated protein 1 in mice leads to male-predominant hepatosteatosis and development of liver adenoma. <i>Hepatology</i> , <b>2012</b> , 56, 1279-90	11.2	37
101	Tetrahydrobiopterin Biosynthesis as a Potential Target of the Kynurenine Pathway Metabolite Xanthurenic Acid. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 652-7	5.4	36
100	Sensing acetylcholine and anticholinesterase compounds. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1302-5	16.4	36
99	A General Strategy for the Semisynthesis of Ratiometric Fluorescent Sensor Proteins with Increased Dynamic Range. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5258-61	16.4	36
98	NanoSIMS analysis of an isotopically labelled organometallic ruthenium(II) drug to probe its distribution and state in vitro. <i>Chemical Communications</i> , <b>2015</b> , 51, 16486-9	5.8	34
97	Luciferases with Tunable Emission Wavelengths. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14556-14560	16.4	34
96	Triplet imaging of oxygen consumption during the contraction of a single smooth muscle cell (A7r5). <i>Biophysical Journal</i> , <b>2010</b> , 98, 339-49	2.9	34
95	Use of site-directed mutagenesis to probe the structure, function and isoniazid activation of the catalase/peroxidase, KatG, from <i>Mycobacterium tuberculosis</i> . <i>Biochemical Journal</i> , <b>1999</b> , 338, 753	3.8	34
94	Modulating protein activity using tethered ligands with mutually exclusive binding sites. <i>Nature Communications</i> , <b>2015</b> , 6, 7830	17.4	33
93	Switchable fluorophores for protein labeling in living cells. <i>Current Opinion in Chemical Biology</i> , <b>2011</b> , 15, 768-74	9.7	30
92	Inducing and sensing protein-protein interactions in living cells by selective cross-linking. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4281-4	16.4	30
91	Differences in cisplatin distribution in sensitive and resistant ovarian cancer cells: a TEM/NanoSIMS study. <i>Metallomics</i> , <b>2017</b> , 9, 1413-1420	4.5	29
90	A covalent chemical genotype-phenotype linkage for in vitro protein evolution. <i>ChemBioChem</i> , <b>2007</b> , 8, 2191-4	3.8	29
89	SNAP-Tagged Nanobodies Enable Reversible Optical Control of a G Protein-Coupled Receptor via a Remotely Tethered Photoswitchable Ligand. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2682-2688	4.9	28
88	Protein tag-mediated conjugation of oligonucleotides to recombinant affinity binders for proximity ligation. <i>New Biotechnology</i> , <b>2013</b> , 30, 144-52	6.4	28
87	Labelling cell structures and tracking cell lineage in zebrafish using SNAP-tag. <i>Developmental Dynamics</i> , <b>2011</b> , 240, 820-7	2.9	28
86	Chemogenetic Control of Nanobodies. <i>Nature Methods</i> , <b>2020</b> , 17, 279-282	21.6	27

85	Synthesis and applications of chemical probes for human O6-alkylguanine-DNA alkyltransferase. <i>ChemBioChem</i> , <b>2001</b> , 2, 285-7	3.8	26
84	Changing the substrate specificity of cytochrome c peroxidase using directed evolution. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 286, 126-32	3.4	26
83	Substrates for improved live-cell fluorescence labeling of SNAP-tag. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 5414-20	3.3	26
82	A Chemogenetic Approach for the Optical Monitoring of Voltage in Neurons. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2341-2344	16.4	25
81	Synthesis and characterization of bifunctional probes for the specific labeling of fusion proteins. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 2725-8	2.9	24
80	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 Ca <sup>2+</sup> /lipid-binding proteins. <i>FEBS Letters</i> , <b>1988</b> , 236, 201-4	3.8	24
79	Environmentally Sensitive Color-Shifting Fluorophores for Bioimaging. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21880-21884	16.4	24
78	A biosensor for measuring NAD levels at the point of care. <i>Nature Metabolism</i> , <b>2019</b> , 1, 1219-1225	14.6	24
77	Evolving the substrate specificity of O6-alkylguanine-DNA alkyltransferase through loop insertion for applications in molecular imaging. <i>ACS Chemical Biology</i> , <b>2006</b> , 1, 575-84	4.9	23
76	Sampling and energy evaluation challenges in ligand binding protein design. <i>Protein Science</i> , <b>2017</b> , 26, 2426-2437	6.3	23
75	Covalent labeling of cell-surface proteins for in-vivo FRET studies. <i>FEBS Letters</i> , <b>2006</b> , 580, 1654-8	3.8	22
74	A split-protein sensor for studying protein-protein interaction in mycobacteria. <i>Journal of Microbiological Methods</i> , <b>2008</b> , 73, 79-84	2.8	21
73	Caged substrates for protein labeling and immobilization. <i>ChemBioChem</i> , <b>2008</b> , 9, 38-41	3.8	21
72	A designed protein for the specific and covalent heteroconjugation of biomolecules. <i>Bioconjugate Chemistry</i> , <b>2008</b> , 19, 1753-6	6.3	20
71	Post-translational covalent labeling reveals heterogeneous mobility of individual G protein-coupled receptors in living cells. <i>ChemBioChem</i> , <b>2006</b> , 7, 908-11	3.8	20
70	Photoactivation of silicon rhodamines via a light-induced protonation. <i>Nature Communications</i> , <b>2019</b> , 10, 4580	17.4	19
69	A New Fluorogenic Small-Molecule Labeling Tool for Surface Diffusion Analysis and Advanced Fluorescence Imaging of Aβ Site Amyloid Precursor Protein-Cleaving Enzyme 1 Based on Silicone Rhodamine: SiR-BACE1. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 6121-6139	8.3	18
68	Kinetic and Structural Characterization of the Self-Labeling Protein Tags HaloTag7, SNAP-tag, and CLIP-tag. <i>Biochemistry</i> , <b>2021</b> , 60, 2560-2575	3.2	18



67	Investigating endocytic pathways to the endoplasmic reticulum and to the cytosol using SNAP-trap. <i>Traffic</i> , <b>2013</b> , 14, 36-46	5.7	17
66	Identification of aminopyrimidine-sulfonamides as potent modulators of Wag31-mediated cell elongation in mycobacteria. <i>Molecular Microbiology</i> , <b>2017</b> , 103, 13-25	4.1	17
65	Targeted photoswitchable probe for nanoscopy of biological structures. <i>ChemBioChem</i> , <b>2010</b> , 11, 1361-3.8	3.8	17
64	Evaluating Cellular Drug Uptake with Fluorescent Sensor Proteins. <i>ACS Sensors</i> , <b>2017</b> , 2, 1191-1197	9.2	16
63	Exploiting ligand-protein conjugates to monitor ligand-receptor interactions. <i>PLoS ONE</i> , <b>2012</b> , 7, e375983.7	3.7	16
62	Systematic Tuning of Rhodamine Spirocyclization for Super-resolution Microscopy. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14592-14600	16.4	16
61	Examining reactivity and specificity of cytochrome c peroxidase by using combinatorial mutagenesis. <i>ChemBioChem</i> , <b>2002</b> , 3, 1097-104	3.8	15
60	Expression proteomics study to determine metallodrug targets and optimal drug combinations. <i>Scientific Reports</i> , <b>2017</b> , 7, 1590	4.9	14
59	Subunit-specific surface mobility of differentially labeled AMPA receptor subunits. <i>European Journal of Cell Biology</i> , <b>2008</b> , 87, 763-78	6.1	14
58	DNA repair protein O6-methylguanine-DNA methyltransferase in testis and testicular tumors as determined by a novel nonradioactive assay. <i>Analytical Biochemistry</i> , <b>2003</b> , 321, 38-43	3.1	14
57	Triple Helix Binding of Oligodeoxyribonucleotides Containing 8-Oxo-2'-deoxyadenosine. <i>Nucleosides &amp; Nucleotides</i> , <b>1993</b> , 12, 237-243		14
56	Fluorescent labeling of SNAP-tagged proteins in cells. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1266, 107-18	1.4	14
55	Bioluminescent Antibodies for Point-of-Care Diagnostics. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7218-7222	3.6	13
54	Visualizing biochemical activities in living cells through chemistry. <i>Chimia</i> , <b>2011</b> , 65, 868-71	1.3	13
53	Transforming a (beta/alpha) <sub>8</sub> -barrel enzyme into a split-protein sensor through directed evolution. <i>Chemistry and Biology</i> , <b>2004</b> , 11, 681-9		13
52	Inter- and intramolecular domain interactions of the catalase-peroxidase KatG from M. tuberculosis. <i>FEBS Letters</i> , <b>2001</b> , 509, 272-6	3.8	13
51	Mitochondrial NAD Controls Nuclear ARTD1-Induced ADP-Ribosylation. <i>Molecular Cell</i> , <b>2021</b> , 81, 340-354.1.5	1.5	13
50	Fluorescence microscopy: strategic blinking. <i>Nature Chemistry</i> , <b>2014</b> , 6, 663-4	17.6	12



49	Fura-2FF-based calcium indicator for protein labeling. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 3398-401	3.9	12
48	Environmentally Sensitive Color-Shifting Fluorophores for Bioimaging. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 22064-22068	3.6	11
47	Luciferases with Tunable Emission Wavelengths. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 14748-14752	3.6	10
46	Construction of Environmental Libraries for Functional Screening of Enzyme Activity	63-78	10
45	Activatable fluorescent probes for hydrolase enzymes based on coumarin-hemicyanine hybrid fluorophores with large Stokes shifts. <i>Chemical Communications</i> , <b>2020</b> , 56, 5617-5620	5.8	9
44	The laboratory in a droplet. <i>Chemistry and Biology</i> , <b>2005</b> , 12, 1255-7		9
43	A synergistic strategy to develop photostable and bright dyes with long Stokes shift for nanoscopy.. <i>Nature Communications</i> , <b>2022</b> , 13, 2264	17.4	9
42	Commercial Cdk1 antibodies recognize the centrosomal protein Cep152. <i>BioTechniques</i> , <b>2013</b> , 55, 111-4	2.5	8
41	Searching for the protein targets of bioactive molecules. <i>Chimia</i> , <b>2011</b> , 65, 720-4	1.3	8
40	Directed Evolution as a Means to Create Enantioselective Enzymes for Use in Organic Chemistry	245-279	8
39	Rational Design and Applications of Semisynthetic Modular Biosensors: SNIFITs and LUCIDs. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1596, 101-117	1.4	7
38	Yeast three-hybrid screening for identifying anti-tuberculosis drug targets. <i>ChemBioChem</i> , <b>2013</b> , 14, 2239-42	3.8	7
37	Inducing and Sensing Protein-Protein Interactions in Living Cells by Selective Cross-linking. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 4359-4362	3.6	6
36	Engineered HaloTag variants for fluorescence lifetime multiplexing.. <i>Nature Methods</i> , <b>2021</b> ,	21.6	6
35	A Chemogenetic Approach for the Optical Monitoring of Voltage in Neurons. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2363-2366	3.6	5
34	Unintended specificity of an engineered ligand-binding protein facilitated by unpredicted plasticity of the protein fold. <i>Protein Engineering, Design and Selection</i> , <b>2018</b> , 31, 375-387	1.9	5
33	Sensing Acetylcholine and Anticholinesterase Compounds. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1326-1329	3.6	4
32	Highly Modular Bioluminescent Sensors for Small Molecules and Proteins. <i>Methods in Enzymology</i> , <b>2017</b> , 589, 365-382	1.7	4

31	Using peptide loop insertion mutagenesis for the evolution of proteins. <i>Methods in Molecular Biology</i> , <b>2010</b> , 634, 217-32	1.4	4
30	Towards the generation of artificial O6-alkylguanine-DNA alkyltransferases: in vitro selection of antibodies with reactive cysteine residues. <i>ChemBioChem</i> , <b>2002</b> , 3, 573-5	3.8	4
29	Applied Molecular Evolution of Enzymes Involved in Synthesis and Repair of DNA281-307		4
28	A ligand-based system for receptor-specific delivery of proteins. <i>Scientific Reports</i> , <b>2019</b> , 9, 19214	4.9	4
27	Sequential in vivo labeling of insulin secretory granule pools in - transgenic pigs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
26	Chemical Genetic Screen Identifies Natural Products that Modulate Centriole Number. <i>ChemBioChem</i> , <b>2016</b> , 17, 2063-2074	3.8	3
25	Chemical biology approaches to membrane homeostasis and function. <i>Chimia</i> , <b>2011</b> , 65, 849-52	1.3	3
24	Chemogenetic Control of Nanobodies		3
23	6,11-Dioxobenzo[pyrido[1,2-]indoles Kill by Targeting Iron-Sulfur Protein Rv0338c (IspQ), A Putative Redox Sensor. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 3015-3025	5.5	3
22	Engineering Protein Evolution177-213		2
21	Author response: Semisynthetic biosensors for mapping cellular concentrations of nicotinamide adenine dinucleotides <b>2018</b> ,		2
20	PEG-based bioactive hydrogels crosslinked via phosphopantetheinyl transferase. <i>Materials Research Society Symposia Proceedings</i> , <b>2010</b> , 1272, 1		1
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