

Gonalo J L Bernardes

List of Publications by Citations

Source: <https://exaly.com/author-pdf/763217/goncalo-j-l-bernardes-publications-by-citations.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

181
papers

9,135
citations

48
h-index

92
g-index

206
ext. papers

11,082
ext. citations

11.4
avg, IF

6.68
L-index

#	Paper	IF	Citations
181	Advances in chemical protein modification. <i>Chemical Reviews</i> , 2015 , 115, 2174-95	68.1	660
180	Inverse electron demand Diels-Alder reactions in chemical biology. <i>Chemical Society Reviews</i> , 2017 , 46, 4895-4950	58.5	465
179	Chemical modification of proteins at cysteine: opportunities in chemistry and biology. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 630-40	4.5	438
178	Site-selective protein-modification chemistry for basic biology and drug development. <i>Nature Chemistry</i> , 2016 , 8, 103-13	17.6	355
177	Developing drug molecules for therapy with carbon monoxide. <i>Chemical Society Reviews</i> , 2012 , 41, 3571-3835	38.5	346
176	A "tag-and-modify" approach to site-selective protein modification. <i>Accounts of Chemical Research</i> , 2011 , 44, 730-41	24.3	287
175	Facile conversion of cysteine and alkyl cysteines to dehydroalanine on protein surfaces: versatile and switchable access to functionalized proteins. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5052-3	16.4	280
174	Allyl sulfides are privileged substrates in aqueous cross-metathesis: application to site-selective protein modification. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9642-3	16.4	270
173	Methods for converting cysteine to dehydroalanine on peptides and proteins. <i>Chemical Science</i> , 2011 , 2, 1666	9.4	241
172	Carbon-monoxide-releasing molecules for the delivery of therapeutic CO in vivo. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9712-21	16.4	218
171	A small-molecule drug conjugate for the treatment of carbonic anhydrase IX expressing tumors. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4231-5	16.4	210
170	Contemporary approaches to site-selective protein modification. <i>Nature Reviews Chemistry</i> , 2019 , 3, 147-171	34.6	185
169	De novo design of potent and selective mimics of IL-2 and IL-15. <i>Nature</i> , 2019 , 565, 186-191	50.4	184
168	Posttranslational mutagenesis: A chemical strategy for exploring protein side-chain diversity. <i>Science</i> , 2016 , 354,	33.3	182
167	CORM-3 reactivity toward proteins: the crystal structure of a Ru(II) dicarbonyl-lysozyme complex. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1192-5	16.4	160
166	Sulfur-Limonene Polysulfide: A Material Synthesized Entirely from Industrial By-Products and Its Use in Removing Toxic Metals from Water and Soil. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1714-8	16.4	158
165	Chemo- and Regioselective Lysine Modification on Native Proteins. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4004-4017	16.4	145

164	Laying Waste to Mercury: Inexpensive Sorbents Made from Sulfur and Recycled Cooking Oils. <i>Chemistry - A European Journal</i> , 2017 , 23, 16219-16230	4.8	123
163	Synthetically defined glycoprotein vaccines: current status and future directions. <i>Chemical Science</i> , 2013 , 4, 2995-3008	9.4	123
162	Biomimetic peptide self-assembly for functional materials. <i>Nature Reviews Chemistry</i> , 2020 , 4, 615-634	34.6	121
161	From disulfide- to thioether-linked glycoproteins. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2244-7	16.4	111
160	The direct formation of glycosyl thiols from reducing sugars allows one-pot protein glycoconjugation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4007-11	16.4	108
159	Stoichiometric and irreversible cysteine-selective protein modification using carbonylacrylic reagents. <i>Nature Communications</i> , 2016 , 7, 13128	17.4	107
158	Spontaneous CO release from Ru(II)(CO) ₂ -protein complexes in aqueous solution, cells, and mice. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1172-5	16.4	102
157	Construction of homogeneous antibody-drug conjugates using site-selective protein chemistry. <i>Chemical Science</i> , 2016 , 7, 2954-2963	9.4	101
156	Curative properties of noninternalizing antibody-drug conjugates based on maytansinoids. <i>Cancer Research</i> , 2014 , 74, 2569-78	10.1	100
155	A traceless vascular-targeting antibody-drug conjugate for cancer therapy. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 941-4	16.4	100
154	Cysteine-selective reactions for antibody conjugation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10585-7	16.4	95
153	Nickel-Catalyzed Azide-Alkyne Cycloaddition To Access 1,5-Disubstituted 1,2,3-Triazoles in Air and Water. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12121-12124	16.4	91
152	Protein micro- and nano-capsules for biomedical applications. <i>Chemical Society Reviews</i> , 2014 , 43, 1361-78	38.5	90
151	Sustainable Polysulfides for Oil Spill Remediation: Repurposing Industrial Waste for Environmental Benefit. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1800024	5.9	77
150	A novel carbon monoxide-releasing molecule fully protects mice from severe malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 1281-90	5.9	76
149	Combined approaches to the synthesis and study of glycoproteins. <i>ACS Chemical Biology</i> , 2009 , 4, 703-13	14.9	75
148	Generation of Carbon Monoxide Releasing Molecules (CO-RMs) as Drug Candidates for the Treatment of Acute Liver Injury: Targeting of CO-RMs to the Liver. <i>Organometallics</i> , 2012 , 31, 5810-5822	3.8	69
147	Design, synthesis and biological evaluation of carbohydrate-functionalized cyclodextrins and liposomes for hepatocyte-specific targeting. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 4987-96	3.9	69

146	Vinyl Ether/Tetrazine Pair for the Traceless Release of Alcohols in Cells. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 243-247	16.4	65
145	A coordinated synthesis and conjugation strategy for the preparation of homogeneous glycoconjugate vaccine candidates. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4127-32	16.4	64
144	Dynamic interplay between catalytic and lectin domains of GalNAc-transferases modulates protein O-glycosylation. <i>Nature Communications</i> , 2015 , 6, 6937	17.4	61
143	Chemoselective Installation of Amine Bonds on Proteins through Aza-Michael Ligation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18365-18375	16.4	59
142	Fucose-specific conjugation of hydrazide derivatives to a vascular-targeting monoclonal antibody in IgG format. <i>Chemical Communications</i> , 2012 , 48, 7100-2	5.8	59
141	Site-selective chemoenzymatic construction of synthetic glycoproteins using endoglycosidases. <i>Chemical Science</i> , 2010 , 1, 709	9.4	59
140	Towards improved therapeutic CORMs: understanding the reactivity of CORM-3 with proteins. <i>Current Medicinal Chemistry</i> , 2011 , 18, 3361-6	4.3	59
139	Iminoboronates are efficient intermediates for selective, rapid and reversible -terminal cysteine functionalisation. <i>Chemical Science</i> , 2016 , 7, 5052-5058	9.4	58
138	Site-specific chemical modification of antibody fragments using traceless cleavable linkers. <i>Nature Protocols</i> , 2013 , 8, 2079-89	18.8	57
137	A thioether-directed palladium-cleavable linker for targeted bioorthogonal drug decaging. <i>Chemical Science</i> , 2018 , 9, 4185-4189	9.4	52
136	A contribution to the rational design of Ru(CO) ₃ Cl ₂ L complexes for in vivo delivery of CO. <i>Dalton Transactions</i> , 2015 , 44, 5058-75	4.3	50
135	Selenenylsulfide-linked homogeneous glycopeptides and glycoproteins: synthesis of human "hepatic Se metabolite A". <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1432-6	16.4	49
134	Natural product modulators of transient receptor potential (TRP) channels as potential anti-cancer agents. <i>Chemical Society Reviews</i> , 2016 , 45, 6130-6137	58.5	48
133	Deciphering the Non-Equivalence of Serine and Threonine O-Glycosylation Points: Implications for Molecular Recognition of the Tn Antigen by an anti-MUC1 Antibody. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9830-4	16.4	48
132	Fluoroglycoproteins: ready chemical site-selective incorporation of fluorosugars into proteins. <i>Chemical Communications</i> , 2010 , 46, 8142-4	5.8	47
131	Enhancing Methotrexate Tolerance with Folate Tagged Liposomes in Arthritic Mice. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 2243-52	4	45
130	Machine intelligence decrypts Elapachone as an allosteric 5-lipoxygenase inhibitor. <i>Chemical Science</i> , 2018 , 9, 6899-6903	9.4	41
129	Platinum-Triggered Bond-Cleavage of Pentynoyl Amide and -Propargyl Handles for Drug-Activation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10869-10880	16.4	38

128	Computational advances in combating colloidal aggregation in drug discovery. <i>Nature Chemistry</i> , 2019 , 11, 402-418	17.6	35
127	Direct radiolabelling of proteins at cysteine using [18F]-fluorosugars. <i>Chemical Communications</i> , 2011 , 47, 10010-2	5.8	33
126	A Fluorogenic Probe for Cell Surface Phosphatidylserine Using an Intramolecular Indicator Displacement Sensing Mechanism. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3087-3091	16.4	33
125	Oxetane Grafts Installed Site-Selectively on Native Disulfides to Enhance Protein Stability and Activity In Vivo. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14963-14967	16.4	32
124	Efficient and irreversible antibody-cysteine bioconjugation using carbonylacrylic reagents. <i>Nature Protocols</i> , 2019 , 14, 86-99	18.8	32
123	Peptide Anchor for Folate-Targeted Liposomal Delivery. <i>Biomacromolecules</i> , 2015 , 16, 2904-10	6.9	31
122	Cysteine-selektive Reaktionen zur Konjugation von Antikörpern. <i>Angewandte Chemie</i> , 2014 , 126, 10758-10760	3.6	31
121	Serine-Selective Bioconjugation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17236-17242	16.4	31
120	Structure-Based Design of Potent Tumor-Associated Antigens: Modulation of Peptide Presentation by Single-Atom O/S or O/Se Substitutions at the Glycosidic Linkage. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4063-4072	16.4	30
119	Rationally designed short polyisoprenol-linked PglB substrates for engineered polypeptide and protein N-glycosylation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 566-9	16.4	30
118	Kohlenstoffmonoxid freisetzende Moleküle für die therapeutische CO-Verabreichung in vivo. <i>Angewandte Chemie</i> , 2014 , 126, 9868-9877	3.6	30
117	Site-selective traceless Staudinger ligation for glycoprotein synthesis reveals scope and limitations. <i>ChemBioChem</i> , 2011 , 12, 1383-6	3.8	30
116	Unveiling (-)-Englerin A as a Modulator of L-Type Calcium Channels. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11077-81	16.4	29
115	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6640-6644	16.4	28
114	The Direct Formation of Glycosyl Thiols from Reducing Sugars Allows One-Pot Protein Glycoconjugation. <i>Angewandte Chemie</i> , 2006 , 118, 4111-4115	3.6	28
113	Site-Selective Modification of Proteins with Oxetanes. <i>Chemistry - A European Journal</i> , 2017 , 23, 6483-6488	4.8	27
112	Norbornene Probes for the Detection of Cysteine Sulfenic Acid in Cells. <i>ACS Chemical Biology</i> , 2019 , 14, 594-598	4.9	25
111	Folic acid-tagged protein nanoemulsions loaded with CORM-2 enhance the survival of mice bearing subcutaneous A20 lymphoma tumors. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1077-83	6	25

110	Tn Antigen Mimics Based on sp(2)-Iminosugars with Affinity for an anti-MUC1 Antibody. <i>Organic Letters</i> , 2016 , 18, 3890-3	6.2	25
109	Spontaneous CO Release from RuII(CO) ₂ Protein Complexes in Aqueous Solution, Cells, and Mice. <i>Angewandte Chemie</i> , 2015 , 127, 1188-1191	3.6	24
108	A Minimal, Unstrained S-Allyl Handle for Pre-Targeting Diels-Alder Bioorthogonal Labeling in Live Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14683-14687	16.4	24
107	Spacer length shapes drug release and therapeutic efficacy of traceless disulfide-linked ADCs targeting the tumor neovasculature. <i>Chemical Science</i> , 2013 , 4, 297-302	9.4	24
106	Sulfur-Limonene Polysulfide: A Material Synthesized Entirely from Industrial By-Products and Its Use in Removing Toxic Metals from Water and Soil. <i>Angewandte Chemie</i> , 2016 , 128, 1746-1750	3.6	24
105	The Use of Fluoroproline in MUC1 Antigen Enables Efficient Detection of Antibodies in Patients with Prostate Cancer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18255-18261	16.4	23
104	Size controlled protein nanoemulsions for active targeting of folate receptor positive cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 135, 90-98	6	22
103	Development of Antibody-Directed Therapies: Quo Vadis?. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2032-2034	16.4	21
102	Synthesis and Biological Evaluation of Homogeneous Thiol-Linked NHC*-Au-Albumin and -Trastuzumab Bioconjugates. <i>Chemistry - A European Journal</i> , 2018 , 24, 12250-12253	4.8	21
101	A Traceless Vascular-Targeting AntibodyDrug Conjugate for Cancer Therapy. <i>Angewandte Chemie</i> , 2012 , 124, 965-968	3.6	21
100	Chemical site-selective prenylation of proteins. <i>Molecular BioSystems</i> , 2008 , 4, 558-61		21
99	Site-selective installation of BASHY fluorescent dyes to Annexin V for targeted detection of apoptotic cells. <i>Chemical Communications</i> , 2016 , 53, 368-371	5.8	20
98	A brain-sparing diphtheria toxin for chemical genetic ablation of peripheral cell lineages. <i>Nature Communications</i> , 2017 , 8, 14967	17.4	20
97	Alkynyl Benzoxazines and Dihydroquinazolines as Cysteine Targeting Covalent Warheads and Their Application in Identification of Selective Irreversible Kinase Inhibitors. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10358-10372	16.4	20
96	Precise Probing of Residue Roles by Post-Translational α , β , γ -N Aza-Michael Mutagenesis in Enzyme Active Sites. <i>ACS Central Science</i> , 2017 , 3, 1168-1173	16.8	20
95	An artificial CO-releasing metalloprotein built by histidine-selective metallation. <i>Chemical Communications</i> , 2015 , 51, 3993-6	5.8	20
94	Norbornene probes for the study of cysteine oxidation. <i>Tetrahedron</i> , 2018 , 74, 1220-1228	2.4	20
93	METTL1-mediated mG modification of Arg-TCT tRNA drives oncogenic transformation. <i>Molecular Cell</i> , 2021 , 81, 3323-3338.e14	17.6	20

92	Trends in therapeutic drug conjugates for bacterial diseases: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 179-189	6.8	19
91	Machine learning for target discovery in drug development. <i>Current Opinion in Chemical Biology</i> , 2020 , 56, 16-22	9.7	19
90	Oxidative Activation of C-S Bonds with an Electropositive Nitrogen Promoter Enables Orthogonal Glycosylation of Alkyl over Phenyl Thioglycosides. <i>Organic Letters</i> , 2017 , 19, 5490-5493	6.2	18
89	Azabicyclic vinyl sulfones for residue-specific dual protein labelling. <i>Chemical Science</i> , 2019 , 10, 4515-4522	7.4	18
88	Tetrazine Carbon Nanotubes for Pretargeted In Vivo "Click-to-Release" Bioorthogonal Tumour Imaging. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16023-16032	16.4	18
87	Site-selective installation of an electrophilic handle on proteins for bioconjugation. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 3060-3064	3.4	18
86	Mechanistic insights into transition metal-mediated bioorthogonal uncaging reactions. <i>Chemical Society Reviews</i> , 2020 , 49, 7710-7729	58.5	18
85	Functionalized protein nanoemulsions by incorporation of chemically modified BSA. <i>RSC Advances</i> , 2015 , 5, 4976-4983	3.7	17
84	meCLICK-Seq, a Substrate-Hijacking and RNA Degradation Strategy for the Study of RNA Methylation. <i>ACS Central Science</i> , 2020 , 6, 2196-2208	16.8	17
83	Urban Endocrine Disruptors Targeting Breast Cancer Proteins. <i>Chemical Research in Toxicology</i> , 2016 , 29, 150-61	4	17
82	A trisulfide-linked glycoprotein. <i>Chemical Communications</i> , 2007 , 3145-7	5.8	17
81	Radical-Mediated Thiol-Ene Strategy: Photoactivation of Thiol-Containing Drugs in Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15832-15835	16.4	17
80	Adaptive Optimization of Chemical Reactions with Minimal Experimental Information. <i>Cell Reports Physical Science</i> , 2020 , 1, 100247	6.1	16
79	Synthesis of fluorosugar reagents for the construction of well-defined fluoroglycoproteins. <i>Organic Letters</i> , 2015 , 17, 2836-9	6.2	15
78	Bioorthogonal Strategy for Bioprocessing of Specific-Site-Functionalized Enveloped Influenza-Virus-Like Particles. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2386-2399	6.3	15
77	Bioorthogonal Decaging Reactions for Targeted Drug Activation. <i>Chimia</i> , 2018 , 72, 771-776	1.3	15
76	An N-Acetyl Cysteine Ruthenium Tricarbonyl Conjugate Enables Simultaneous Release of CO and Ablation of Reactive Oxygen Species. <i>Chemistry - A European Journal</i> , 2015 , 21, 14708-12	4.8	14
75	Selenenylsulfide-Linked Homogeneous Glycopeptides and Glycoproteins: Synthesis of Human Hepatic Se Metabolite A. <i>Angewandte Chemie</i> , 2012 , 124, 1461-1465	3.6	14

74	Vinyl Ether/Tetrazine Pair for the Traceless Release of Alcohols in Cells. <i>Angewandte Chemie</i> , 2017 , 129, 249-253	3.6	13
73	A Water-Bridged Cysteine-Cysteine Redox Regulation Mechanism in Bacterial Protein Tyrosine Phosphatases. <i>CheM</i> , 2017 , 3, 665-677	16.2	13
72	Modular Pore-Forming Immunotoxins with Caged Cytotoxicity Tailored by Directed Evolution. <i>ACS Chemical Biology</i> , 2018 , 13, 3153-3160	4.9	13
71	Protein modification alkyne hydrosilylation using a substoichiometric amount of ruthenium(ii) catalyst. <i>Chemical Science</i> , 2017 , 8, 3871-3878	9.4	12
70	Collagen labelling with an azide-proline chemical reporter in live cells. <i>Chemical Communications</i> , 2015 , 51, 5250-2	5.8	12
69	One-pot stapling of interchain disulfides of antibodies using an isobutylene motif. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 2005-2012	3.9	11
68	Synthesis, characterization and biological evaluation of new manganese metal carbonyl compounds that contain sulfur and selenium ligands as a promising new class of CORMs. <i>Dalton Transactions</i> , 2019 , 48, 5574-5584	4.3	11
67	Tetrazine-Triggered Release of Carboxylic-Acid-Containing Molecules for Activation of an Anti-inflammatory Drug. <i>ChemBioChem</i> , 2019 , 20, 1541-1546	3.8	11
66	Synthesis, conformational analysis and assays of an anti-cancer vaccine that features an unnatural antigen based on an sp-iminosugar fragment. <i>Chemical Science</i> , 2020 , 11, 3996-4006	9.4	11
65	Enhancement of the Anti-Aggregation Activity of a Molecular Chaperone Using a Rationally Designed Post-Translational Modification. <i>ACS Central Science</i> , 2019 , 5, 1417-1424	16.8	11
64	A Coordinated Synthesis and Conjugation Strategy for the Preparation of Homogeneous Glycoconjugate Vaccine Candidates. <i>Angewandte Chemie</i> , 2011 , 123, 4213-4218	3.6	11
63	The role of reversible and irreversible covalent chemistry in targeted protein degradation. <i>Cell Chemical Biology</i> , 2021 , 28, 952-968	8.2	11
62	Development of a self-immolative linker for tetrazine-triggered release of alcohols in cells. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 5725-5730	3.9	10
61	Stable Pyrrole-Linked Bioconjugates through Tetrazine-Triggered Azanorbornadiene Fragmentation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6196-6200	16.4	10
60	Enhanced Permeability and Binding Activity of Isobutylene-Grafted Peptides. <i>ChemBioChem</i> , 2018 , 19, 48-52	3.8	10
59	Ein niedermolekulares Ligand-Wirkstoff-Konjugat zur Behandlung von Carboanhydrase IX exprimierenden Tumoren. <i>Angewandte Chemie</i> , 2014 , 126, 4315-4320	3.6	10
58	Chemical Protein Modification 2010 , 59-91		10
57	Continuous Flow Reactors from Microfluidic Compartmentalization of Enzymes within Inorganic Microparticles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32951-32960	9.5	9

56	In Vivo Pretargeting Based on Cysteine-Selective Antibody Modification with IEDDA Bioorthogonal Handles for Click Chemistry. <i>Bioconjugate Chemistry</i> , 2021 , 32, 121-132	6.3	9
55	Oxetane Grafts Installed Site-Selectively on Native Disulfides to Enhance Protein Stability and Activity In Vivo. <i>Angewandte Chemie</i> , 2017 , 129, 15159-15163	3.6	8
54	Proteome-Wide Survey of Cysteine Oxidation by Using a Norbornene Probe. <i>ChemBioChem</i> , 2020 , 21, 1329-1334	3.8	8
53	A Microfluidic Co-Flow Route for Human Serum Albumin-Drug-Nanoparticle Assembly. <i>Chemistry - A European Journal</i> , 2020 , 26, 5965-5969	4.8	8
52	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. <i>Angewandte Chemie</i> , 2019 , 131, 6712-6716	3.6	7
51	Multi-scale microporous silica microcapsules from gas-in water-in oil emulsions. <i>Soft Matter</i> , 2020 , 16, 3082-3087	3.6	7
50	Stable Pyrrole-Linked Bioconjugates through Tetrazine-Triggered Azanorbornadiene Fragmentation. <i>Angewandte Chemie</i> , 2020 , 132, 6255-6259	3.6	7
49	In situ characterization of advanced glycation end products (AGEs) in collagen and model extracellular matrix by solid state NMR. <i>Chemical Communications</i> , 2017 , 53, 13316-13319	5.8	7
48	Deciphering the Non-Equivalence of Serine and Threonine O-Glycosylation Points: Implications for Molecular Recognition of the Tn Antigen by an anti-MUC1 Antibody. <i>Angewandte Chemie</i> , 2015 , 127, 9968-9972	3.6	7
47	Allosteric Antagonist Modulation of TRPV2 by Piperlongumine Impairs Glioblastoma Progression. <i>ACS Central Science</i> , 2021 , 7, 868-881	16.8	7
46	A Fluorogenic Probe for Cell Surface Phosphatidylserine Using an Intramolecular Indicator Displacement Sensing Mechanism. <i>Angewandte Chemie</i> , 2019 , 131, 3119-3123	3.6	7
45	Dissecting celastrol with machine learning to unveil dark pharmacology. <i>Chemical Communications</i> , 2019 , 55, 6369-6372	5.8	6
44	Antibody-drug conjugates: The missing link. <i>Nature Chemistry</i> , 2016 , 8, 1088-1090	17.6	6
43	A Sweet Galactose Transfer: Metabolic Oligosaccharide Engineering as a Tool To Study Glycans in Plasmodium Infection. <i>ChemBioChem</i> , 2020 , 21, 2696-2700	3.8	6
42	Systematic Activity Maturation of a Single-Domain Antibody with Non-canonical Amino Acids through Chemical Mutagenesis. <i>Cell Chemical Biology</i> , 2021 , 28, 70-77.e5	8.2	6
41	Natural product-drug conjugates for modulation of TRPV1-expressing tumors. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 2531-2536	3.4	5
40	The antidiabetic drug lobeglitazone has the potential to inhibit PTP1B activity. <i>Bioorganic Chemistry</i> , 2020 , 100, 103927	5.1	5
39	Unveiling (I)-Englerin A as a Modulator of L-Type Calcium Channels. <i>Angewandte Chemie</i> , 2016 , 128, 11243-11247	3.6	5

38	Posttranslational Chemical Mutagenesis: To Reveal the Role of Noncatalytic Cysteine Residues in Pathogenic Bacterial Phosphatases. <i>Biochemistry</i> , 2018 , 57, 6144-6152	3.2	5
37	Precise Installation of Diazo-Tagged Side-Chains on Proteins to Enable In Vitro and In-Cell Site-Specific Labeling. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1604-1610	6.3	4
36	A Minimal, Unstrained S-Allyl Handle for Pre-Targeting Diels-Alder Bioorthogonal Labeling in Live Cells. <i>Angewandte Chemie</i> , 2016 , 128, 14903-14907	3.6	4
35	Structural characterization of an unprecedented lectin-like antitumoral anti-MUC1 antibody. <i>Chemical Communications</i> , 2020 , 56, 15137-15140	5.8	4
34	Radical-Mediated Thiol-Ene Strategy: Photoactivation of Thiol-Containing Drugs in Cancer Cells. <i>Angewandte Chemie</i> , 2018 , 130, 16058-16061	3.6	4
33	Facile Installation of Post-translational Modifications on the Tau Protein via Chemical Mutagenesis. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 557-561	5.7	4
32	Overexpression of Osmosensitive Ca-Permeable Channel TMEM63B Promotes Migration in HEK293T Cells. <i>Biochemistry</i> , 2019 , 58, 2861-2866	3.2	3
31	Accelerating Reaction Rates of Biomolecules by Using Shear Stress in Artificial Capillary Systems. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16401-16410	16.4	3
30	Lysine Bioconjugation on Native Albumin with a Sulfonyl Acrylate Reagent. <i>Methods in Molecular Biology</i> , 2019 , 2033, 25-37	1.4	3
29	A Structural Ensemble of a Tau-Microtubule Complex Reveals Regulatory Tau Phosphorylation and Acetylation Mechanisms		3
28	Combating small-molecule aggregation with machine learning. <i>Cell Reports Physical Science</i> , 2021 , 2, 100573	6.1	3
27	Dichloro Butenediamides as Irreversible Site-Selective Protein Conjugation Reagent. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23750-23755	16.4	3
26	A Structural Ensemble of a Tau-Microtubule Complex Reveals Regulatory Tau Phosphorylation and Acetylation Mechanisms.. <i>ACS Central Science</i> , 2021 , 7, 1986-1995	16.8	3
25	Ethynylbenziodoxolone Reactivity in Cysteine Bioconjugation. <i>Chem</i> , 2019 , 5, 1932-1934	16.2	2
24	Synthesis, characterization and photoinduced CO-release by manganese(II) complexes. <i>New Journal of Chemistry</i> , 2020 , 44, 10892-10901	3.6	2
23	Transition metal mediated bioorthogonal release. <i>Chem Catalysis</i> , 2022 , 2, 39-51		2
22	Structural and biophysical insights into the mode of covalent binding of rationally designed potent BMX inhibitors. <i>RSC Chemical Biology</i> , 2020 , 1, 251-262	3	2
21	Exploration of Long-Chain Vitamin E Metabolites for the Discovery of a Highly Potent, Orally Effective, and Metabolically Stable 5-LOX Inhibitor that Limits Inflammation. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 11496-11526	8.3	2

20	Dichloro Butenediamides as Irreversible Site-Selective Protein Conjugation Reagent. <i>Angewandte Chemie</i> , 2021 , 133, 23943	3.6	2
19	The Impact of Activity-Based Protein Profiling in Malaria Drug Discovery.. <i>ChemMedChem</i> , 2022 , e202200174	3.7	2
18	Triaminopyrimidine derivatives as transmembrane HCl transporters. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 5633-5638	3.9	1
17	Tetrazine Carbon Nanotubes for Pretargeted In Vivo Click-to-Release Bioorthogonal Tumour Imaging. <i>Angewandte Chemie</i> , 2020 , 132, 16157-16166	3.6	1
16	Evaluation of linker length effects on a BET bromodomain probe. <i>Chemical Communications</i> , 2019 , 55, 10128-10131	5.8	1
15	Sequential dual site-selective protein labelling enabled by lysine modification. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115783	3.4	1
14	Precise protein conjugation technology for the construction of homogenous glycovaccines.. <i>Drug Discovery Today: Technologies</i> , 2020 , 38, 69-75	7.1	1
13	Arylethynyltrifluoroborate Dienophiles for on Demand Activation of IEDDA Reactions. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1812-1822	6.3	1
12	A silicon-labelled amino acid suitable for late-stage fluorination and unexpected oxidative cleavage reactions in the preparation of a key intermediate in the Strecker synthesis. <i>Peptide Science</i> , 2018 , 110, e24069	3	1
11	Protein Conjugation by Electrophilic Alkynylation Using 5-(Alkynyl)dibenzothiophenium Triflates. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1570-1575	6.3	1
10	A Platform for Site-Specific DNA-Antibody Bioconjugation by Using Benzoylacrylic-Labelled Oligonucleotides. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25905-25913	16.4	1
9	Structural insights into TRPV2 activation by small molecules.. <i>Nature Communications</i> , 2022 , 13, 2334	17.4	1
8	Retaining the structural integrity of disulfide bonds in diphtheria toxoid carrier protein is crucial for the effectiveness of glycoconjugate vaccine candidates.. <i>Chemical Science</i> , 2022 , 13, 2440-2449	9.4	0
7	Bioorthogonal Self-Immolative Linker Based on Grob Fragmentation. <i>Organic Letters</i> , 2021 , 23, 8580-8584	4.2	0
6	Fluoroglycoproteins by Copper-Free Strain-Promoted Azide-Alkyne Cycloaddition. <i>Springer Protocols</i> , 2020 , 53-67	0.3	0
5	Ibrutinib Inhibits BMX-Dependent Endothelial VCAM-1 Expression In Vitro and Pro-Atherosclerotic Endothelial Activation and Platelet Adhesion In Vivo. <i>Cellular and Molecular Bioengineering</i> , 2021 , 15, 100-110	3.9	0
4	Antikörpergerichtete Therapien: Quo vadis?. <i>Angewandte Chemie</i> , 2018 , 130, 2050-2052	3.6	0
3	Controlled In-Cell Generation of Active Palladium(0) Species for Bioorthogonal Decaging. <i>Angewandte Chemie</i> , 2021 , 133, 23943	3.6	0

2 Diazaborines Are a Versatile Platform to Develop ROS-Responsive Antibody Drug Conjugates**. *Angewandte Chemie*, **2021**, 133, 26118-26125 3.6

1 Reaktitelbild: Tetrazine Carbon Nanotubes for Pretargeted In Vivo Click-to-Release Bioorthogonal Tumour Imaging (*Angew. Chem.* 37/2020). *Angewandte Chemie*, **2020**, 132, 16388-16388 3.6