

Richard J Payne

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.

206 papers	5,960 citations	42 h-index	64 g-index
235 ext. papers	6,922 ext. citations	7.8 avg, IF	6.18 L-index

#	Paper	IF	Citations
206	Advances in chemical ligation strategies for the synthesis of glycopeptides and glycoproteins. <i>Chemical Communications</i> , 2010 , 46, 21-43	5.8	196
205	Glycine betaine and glycine betaine analogues in common foods. <i>Food Chemistry</i> , 2003 , 83, 197-204	8.5	160
204	Native chemical ligation in protein synthesis and semi-synthesis. <i>Chemical Society Reviews</i> , 2018 , 47, 9046-9068	34.6	158
203	Rapid and efficient protein synthesis through expansion of the native chemical ligation concept. <i>Nature Reviews Chemistry</i> , 2018 , 2,	34.6	151
202	Rapid additive-free selenocystine-selenoester peptide ligation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14011-4	16.4	131
201	Self-adjuvanting multicomponent cancer vaccine candidates combining per-glycosylated MUC1 glycopeptides and the Toll-like receptor 2 agonist Pam3CysSer. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1635-9	16.4	130
200	Recent extensions to native chemical ligation for the chemical synthesis of peptides and proteins. <i>Current Opinion in Chemical Biology</i> , 2014 , 22, 70-8	9.7	118
199	Trifluoroethanethiol: an additive for efficient one-pot peptide ligation-desulfurization chemistry. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8161-4	16.4	104
198	Chemoselective peptide ligation-desulfurization at aspartate. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9723-7	16.4	98
197	Polysialylation controls dendritic cell trafficking by regulating chemokine recognition. <i>Science</i> , 2016 , 351, 186-90	33.3	97
196	Total synthesis of homogeneous antifreeze glycopeptides and glycoproteins. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3606-10	16.4	97
195	Cysteine-free peptide and glycopeptide ligation by direct aminolysis. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4411-5	16.4	88
194	Solid-phase synthesis of peptide and glycopeptide thioesters through side-chain-anchoring strategies. <i>Chemistry - A European Journal</i> , 2008 , 14, 3620-9	4.8	86
193	Extended sugar-assisted glycopeptide ligations: development, scope, and applications. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13527-36	16.4	82
192	Photo-tautomerization of acetaldehyde to vinyl alcohol: a potential route to tropospheric acids. <i>Science</i> , 2012 , 337, 1203-6	33.3	79
191	Peptide ligation-desulfurization chemistry at arginine. <i>ChemBioChem</i> , 2013 , 14, 559-63	3.8	78
190	Synthesis and utility of selenol-phenylalanine for native chemical ligation-deselenization chemistry. <i>Organic Letters</i> , 2012 , 14, 3142-5	6.2	74

189	The cell surface mucin MUC1 limits the severity of influenza A virus infection. <i>Mucosal Immunology</i> , 2017 , 10, 1581-1593	9.2	73
188	Total Synthesis of Teixobactin. <i>Organic Letters</i> , 2016 , 18, 2788-91	6.2	70
187	One-pot peptide ligation-desulfurization at glutamate. <i>Organic Letters</i> , 2014 , 16, 290-3	6.2	69
186	Oxidative Deselenization of Selenocysteine: Applications for Programmed Ligation at Serine. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12716-21	16.4	69
185	Second-generation sugar-assisted ligation: a method for the synthesis of cysteine-containing glycopeptides. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5975-9	16.4	69
184	Tyrosine sulfation of chemokine receptor CCR2 enhances interactions with both monomeric and dimeric forms of the chemokine monocyte chemoattractant protein-1 (MCP-1). <i>Journal of Biological Chemistry</i> , 2013 , 288, 10024-10034	5.4	63
183	Chemoselective sulfonylation and peptide ligation at tryptophan. <i>Chemical Science</i> , 2014 , 5, 260-266	9.4	60
182	Synthetic Amino Acids for Applications in Peptide Ligation/Desulfurization Chemistry. <i>Australian Journal of Chemistry</i> , 2015 , 68, 521	1.2	58
181	Peptide ligation chemistry at selenol amino acids. <i>Journal of Peptide Science</i> , 2014 , 20, 64-77	2.1	58
180	New tuberculosis drug leads from naturally occurring compounds. <i>International Journal of Infectious Diseases</i> , 2017 , 56, 212-220	10.5	56
179	Synthesis and immunological evaluation of self-assembling and self-adjuvanting tricomponent glycopeptide cancer-vaccine candidates. <i>Chemistry - A European Journal</i> , 2012 , 18, 16540-8	4.8	56
178	Sugar-assisted glycopeptide ligation with complex oligosaccharides: scope and limitations. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11945-52	16.4	55
177	Structural basis of receptor sulfotyrosine recognition by a CC chemokine: the N-terminal region of CCR3 bound to CCL11/eotaxin-1. <i>Structure</i> , 2014 , 22, 1571-81	5.2	51
176	Singlet molecular oxygen regulates vascular tone and blood pressure in inflammation. <i>Nature</i> , 2019 , 566, 548-552	50.4	51
175	A common mechanism of clinical HIV-1 resistance to the CCR5 antagonist maraviroc despite divergent resistance levels and lack of common gp120 resistance mutations. <i>Retrovirology</i> , 2013 , 10, 43	3.6	50
174	Tyrosine sulfation modulates activity of tick-derived thrombin inhibitors. <i>Nature Chemistry</i> , 2017 , 9, 909-916	11.7	49
173	Homogeneous sulfopeptides and sulfoproteins: synthetic approaches and applications to characterize the effects of tyrosine sulfation on biochemical function. <i>Accounts of Chemical Research</i> , 2015 , 48, 2251-61	24.3	47
172	Tyrosine sulfation influences the chemokine binding selectivity of peptides derived from chemokine receptor CCR3. <i>Biochemistry</i> , 2011 , 50, 1524-34	3.2	47

171	The CLAVATA receptor FASCIATED EAR2 responds to distinct CLE peptides by signaling through two downstream effectors. <i>ELife</i> , 2018 , 7,	8.9	46
170	The Synthesis of Naturally Occurring Vitamin K and Vitamin K Analogues. <i>Current Organic Chemistry</i> , 2003 , 7, 1625-1634	1.7	46
169	Accelerated Protein Synthesis via One-Pot Ligation-Deselenization Chemistry. <i>CheM</i> , 2017 , 2, 703-715	16.2	45
168	Total synthesis and antimalarial activity of symplostatin 4. <i>Organic Letters</i> , 2010 , 12, 5576-9	6.2	45
167	Synthetic self-adjuvanting glycopeptide cancer vaccines. <i>Frontiers in Chemistry</i> , 2015 , 3, 60	5	44
166	Synthesis of MUC1-lipopeptide chimeras. <i>Chemical Communications</i> , 2010 , 46, 6249-51	5.8	44
165	Identification of selective inhibitors of indoleamine 2,3-dioxygenase 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 7641-6	2.9	42
164	A comprehensive portrait of the venom of the giant red bull ant, , reveals a hyperdiverse hymenopteran toxin gene family. <i>Science Advances</i> , 2018 , 4, eaau4640	14.3	42
163	Synthesis and immunological evaluation of self-adjuvanting MUC1-macrophage activating lipopeptide 2 conjugate vaccine candidates. <i>Chemical Communications</i> , 2014 , 50, 10273-6	5.8	41
162	Sulfopeptide probes of the CXCR4/CXCL12 interface reveal oligomer-specific contacts and chemokine allostery. <i>ACS Chemical Biology</i> , 2013 , 8, 1955-63	4.9	41
161	Inhibition studies of Mycobacterium tuberculosis salicylate synthase (MbtI). <i>ChemMedChem</i> , 2010 , 5, 1067-79	3.7	41
160	Diselenide-selenoester ligation for chemical protein synthesis. <i>Nature Protocols</i> , 2019 , 14, 2229-2257	18.8	40
159	Design and receptor interactions of obligate dimeric mutant of chemokine monocyte chemoattractant protein-1 (MCP-1). <i>Journal of Biological Chemistry</i> , 2012 , 287, 14692-702	5.4	40
158	Construction of Challenging Proline-Proline Junctions via Diselenide-Selenoester Ligation Chemistry. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13327-13334	16.4	40
157	Self-Adjuvanting Multicomponent Cancer Vaccine Candidates Combining Per-Glycosylated MUC1 Glycopeptides and the Toll-like Receptor 2 Agonist Pam3CysSer. <i>Angewandte Chemie</i> , 2011 , 123, 1673-1677	13.6	38
156	Peptide nucleic acid-templated selenocystine-selenoester ligation enables rapid miRNA detection. <i>Chemical Science</i> , 2018 , 9, 896-903	9.4	38
155	Diverse Peptide Hormones Affecting Root Growth Identified in the Secreted Peptidome. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 160-174	7.6	37
154	Native Chemical Ligation-Photodesulfurization in Flow. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9020-9024	16.4	37

153	Synthesis of the bacteriocin glycopeptide sublancin 168 and S-glycosylated variants. <i>Organic Letters</i> , 2012 , 14, 1910-3	6.2	36
152	Site-specific characterisation of densely O-glycosylated mucin-type peptides using electron transfer dissociation ESI-MS/MS. <i>Electrophoresis</i> , 2011 , 32, 3536-45	3.6	36
151	Peptide Ligation at High Dilution via Reductive Diselenide-Selenoester Ligation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1090-1100	16.4	36
150	Investigation into the P3 binding domain of m-calpain using photoswitchable diazo- and triazene-dipeptide aldehydes: new anticataract agents. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 2916-20	8.3	35
149	Assessment of myeloperoxidase activity by the conversion of hydroethidine to 2-chloroethidium. <i>Journal of Biological Chemistry</i> , 2014 , 289, 5580-95	5.4	34
148	One-Pot Ligation-Oxidative Deselenization at Selenocysteine and Selenocystine. <i>Chemistry - A European Journal</i> , 2017 , 23, 946-952	4.8	34
147	Total synthesis, stereochemical assignment, and antimalarial activity of gallinamide A. <i>Chemistry - A European Journal</i> , 2011 , 17, 13544-52	4.8	34
146	Mechanistic and inhibition studies of chorismate-utilizing enzymes. <i>Biochemical Society Transactions</i> , 2005 , 33, 763-6	5.1	34
145	Ticks from diverse genera encode chemokine-inhibitory evasin proteins. <i>Journal of Biological Chemistry</i> , 2017 , 292, 15670-15680	5.4	33
144	Structural investigation of inhibitor designs targeting 3-dehydroquinate dehydratase from the shikimate pathway of Mycobacterium tuberculosis. <i>Biochemical Journal</i> , 2011 , 436, 729-39	3.8	33
143	The TB Structural Genomics Consortium: a decade of progress. <i>Tuberculosis</i> , 2011 , 91, 155-72	2.6	33
142	Multiplexed Temporal Quantification of the Exercise-regulated Plasma Peptidome. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 2055-2068	7.6	32
141	Inhibitors of an essential mycobacterial cell wall lipase (Rv3802c) as tuberculosis drug leads. <i>Chemical Communications</i> , 2011 , 47, 5166-8	5.8	32
140	Polymer-peptide chimeras for the multivalent display of immunogenic peptides. <i>Chemical Communications</i> , 2010 , 46, 2188-90	5.8	32
139	Sansanmycin natural product analogues as potent and selective anti-mycobacterials that inhibit lipid I biosynthesis. <i>Nature Communications</i> , 2017 , 8, 14414	17.4	31
138	Fluorosurfactants for microdroplets: interfacial tension analysis. <i>Journal of Colloid and Interface Science</i> , 2010 , 350, 205-11	9.3	31
137	Inhibition studies on salicylate synthase. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 1825-7	3.9	31
136	PP1 initiates the dephosphorylation of MASTL, triggering mitotic exit and bistability in human cells. <i>Journal of Cell Science</i> , 2016 , 129, 1340-54	5.3	31

135	Synthesis of β -Thiol Phenylalanine for Applications in One-Pot Ligation-Desulfurization Chemistry. <i>Organic Letters</i> , 2015 , 17, 2070-3	6.2	29
134	Thiazolidine-Protected β -Thiol Asparagine: Applications in One-Pot Ligation-Desulfurization Chemistry. <i>Organic Letters</i> , 2015 , 17, 4902-5	6.2	29
133	CLE peptide tri-arabinylation and peptide domain sequence composition are essential for SUNN-dependent autoregulation of nodulation in <i>Medicago truncatula</i> . <i>New Phytologist</i> , 2018 , 218, 73-80	8.8	29
132	Synthesis of gallinamide A analogues as potent falcipain inhibitors and antimalarials. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 10557-63	8.3	29
131	Synthesis of N-linked glycopeptides via solid-phase aspartylation. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 3723-33	3.9	29
130	Oxidative Deselenization of Selenocysteine: Applications for Programmed Ligation at Serine. <i>Angewandte Chemie</i> , 2015 , 127, 12907-12912	3.6	28
129	Total synthesis of homogeneous variants of hirudin P6: a post-translationally modified anti-thrombotic leech-derived protein. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3947-51	16.4	28
128	Phosphate-assisted peptide ligation. <i>Chemical Communications</i> , 2009 , 4260-2	5.8	28
127	Rational design, synthesis, and evaluation of nanomolar type II dehydroquinase inhibitors. <i>ChemMedChem</i> , 2007 , 2, 1015-29	3.7	28
126	Synthesis of novel fluorosurfactants for microdroplet stabilisation in fluoros oil streams. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 398-407	2.1	27
125	Solid-phase synthesis of peptide selenoesters via a side-chain anchoring strategy. <i>Chemical Communications</i> , 2017 , 53, 5424-5427	5.8	26
124	Implications of binding mode and active site flexibility for inhibitor potency against the salicylate synthase from <i>Mycobacterium tuberculosis</i> . <i>Biochemistry</i> , 2012 , 51, 4868-79	3.2	26
123	Fragments of the bacterial toxin microcin B17 as gyrase poisons. <i>PLoS ONE</i> , 2013 , 8, e61459	3.7	26
122	Isolation of Shikimic Acid from Star Aniseed. <i>Journal of Chemical Education</i> , 2005 , 82, 599	2.4	26
121	Mosquito-Derived Anophelin Sulfoproteins Are Potent Antithrombotics. <i>ACS Central Science</i> , 2018 , 4, 468-476	16.8	25
120	Total synthesis of microcin B17 via a fragment condensation approach. <i>Organic Letters</i> , 2011 , 13, 680-3	6.2	25
119	Sulfation of the Human Cytomegalovirus Protein UL22A Enhances Binding to the Chemokine RANTES. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8490-8494	16.4	24
118	Total Synthesis of Homogeneous Antifreeze Glycopeptides and Glycoproteins. <i>Angewandte Chemie</i> , 2012 , 124, 3666-3670	3.6	24

117	Divergent and site-selective solid-phase synthesis of sulfopeptides. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1316-20	4.5	24
116	Nanomolar inhibition of type II dehydroquinase based on the enolate reaction mechanism. <i>ChemMedChem</i> , 2007 , 2, 101-12	3.7	23
115	Structural requirements of flavonoids to induce heme oxygenase-1 expression. <i>Free Radical Biology and Medicine</i> , 2017 , 113, 165-175	7.8	22
114	Interaction of N-terminal peptide analogues of the Na,K-ATPase with membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1282-1291	3.8	22
113	Identification of a catalytic exosite for complement component C4 on the serine protease domain of C1s. <i>Journal of Immunology</i> , 2012 , 189, 2365-73	5.3	22
112	Self-assembling macromolecular chimeras: controlling fibrillization of a β -sheet forming peptide by polymer conjugation. <i>Soft Matter</i> , 2011 , 7, 3754	3.6	22
111	Synthesis and evaluation of 2,5-dihydrochorismate analogues as inhibitors of the chorismate-utilising enzymes. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2421-9	3.9	22
110	Synthesis of a Self-Adjuvanting MUC1 Vaccine via Diselenide-Selenoester Ligation-Deselenization. <i>ACS Chemical Biology</i> , 2018 , 13, 3279-3285	4.9	22
109	Arabinosylation Modulates the Growth-Regulating Activity of the Peptide Hormone CLE40a from Soybean. <i>Cell Chemical Biology</i> , 2017 , 24, 1347-1355.e7	8.2	21
108	Inhibition studies on Mycobacterium tuberculosis N-acetylglucosamine-1-phosphate uridylyltransferase (GlmU). <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 8113-26	3.9	21
107	Synthesis of peptides and glycopeptides with polyproline II helical topology as potential antifreeze molecules. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 3569-81	3.4	21
106	Design, synthesis, and structural studies on potent biaryl inhibitors of type II dehydroquinases. <i>ChemMedChem</i> , 2007 , 2, 1010-3	3.7	21
105	Triarabinosylation is required for nodulation-suppressive CLE peptides to systemically inhibit nodulation in <i>Pisum sativum</i> . <i>Plant, Cell and Environment</i> , 2019 , 42, 188-197	8.4	21
104	Rapid assembly and profiling of an anticoagulant sulfoprotein library. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13873-13878	11.5	20
103	Efficient use of the Dmab protecting group: applications for the solid-phase synthesis of N-linked glycopeptides. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2255-8	3.9	20
102	Synthesis and Utility of β -Selenophenylalanine and β -Selenoleucine in Diselenide-Selenoester Ligation. <i>Journal of Organic Chemistry</i> , 2020 , 85, 1567-1578	4.2	20
101	Chemoselective Peptide Ligation-Desulfurization at Aspartate. <i>Angewandte Chemie</i> , 2013 , 125, 9905-9909	9.6	19
100	Peptide ligations accelerated by N-terminal aspartate and glutamate residues. <i>Organic Letters</i> , 2011 , 13, 4770-3	6.2	19

99	Design and synthesis of aromatic inhibitors of anthranilate synthase. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2271-81	3.9	19
98	Site-selective solid-phase synthesis of a CCR5 sulfopeptide library to interrogate HIV binding and entry. <i>ACS Chemical Biology</i> , 2014 , 9, 2074-81	4.9	18
97	Modern extensions of native chemical ligation for chemical protein synthesis. <i>Topics in Current Chemistry</i> , 2015 , 362, 27-87		18
96	Effect of O-glycosylation and tyrosine sulfation of leech-derived peptides on binding and inhibitory activity against thrombin. <i>Chemical Communications</i> , 2012 , 48, 1547-9	5.8	18
95	Synthesis of homogeneous antifreeze glycopeptides via a ligation-desulfurisation strategy. <i>Chemical Communications</i> , 2009 , 6925-7	5.8	18
94	Synthesis and structure-activity relationships of teixobactin. <i>Annals of the New York Academy of Sciences</i> , 2020 , 1459, 86-105	6.5	18
93	Total Synthesis of Native 5,7-Diacetylpsseudaminic Acid from N-Acetylneuraminic Acid. <i>Journal of Organic Chemistry</i> , 2016 , 81, 2607-11	4.2	18
92	Cyclic Peptides Incorporating Phosphotyrosine Mimetics as Potent and Specific Inhibitors of the Grb7 Breast Cancer Target. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 7707-18	8.3	17
91	Mucosal Vaccination with a Self-Adjuvanted Lipopeptide Is Immunogenic and Protective against. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 8080-8089	8.3	17
90	Semisynthetic prion protein (PrP) variants carrying glycan mimics at position 181 and 197 do not form fibrils. <i>Chemical Science</i> , 2017 , 8, 6626-6632	9.4	17
89	Synthesis of rhamnosylated arginine glycopeptides and determination of the glycosidic linkage in bacterial elongation factor P. <i>Chemical Science</i> , 2017 , 8, 2296-2302	9.4	16
88	Synthesis and evaluation of M. tuberculosis salicylate synthase (MbtI) inhibitors designed to probe plasticity in the active site. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 9223-36	3.9	16
87	Semisynthesis of an evasin from tick saliva reveals a critical role of tyrosine sulfation for chemokine binding and inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 12657-12664	11.5	15
86	Structure and inhibition of subunit I of the anthranilate synthase complex of Mycobacterium tuberculosis and expression of the active complex. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 2297-308		15
85	Total Synthesis of Ecumicin. <i>Organic Letters</i> , 2018 , 20, 1019-1022	6.2	14
84	Synthesis of MUC1 glycopeptide thioesters and ligation via direct aminolysis. <i>Biopolymers</i> , 2011 , 96, 137-46		14
83	Rapid assembly of potent type II dehydroquinase inhibitors via Click Chemistry. <i>MedChemComm</i> , 2010 , 1, 271-275	5	14
82	Synthesis of MUC1 Peptide and Glycopeptide Dendrimers. <i>Australian Journal of Chemistry</i> , 2009 , 62, 1339.2		14

81	Inhibition of chorismate-utilising enzymes by 2-amino-4-carboxypyridine and 4-carboxypyridone and 5-carboxypyridone analogues. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 3534-42	3.9	14
80	Dissecting the Binding Interactions of Teixobactin with the Bacterial Cell-Wall Precursor Lipid II. <i>ChemBioChem</i> , 2020 , 21, 789-792	3.8	14
79	Single addition of an allylamine monomer enables access to end-functionalized RAFT polymers for native chemical ligation. <i>Chemical Communications</i> , 2016 , 52, 12952-12955	5.8	14
78	Falcpain Inhibitors Based on the Natural Product Gallinamide A Are Potent in Vitro and in Vivo Antimalarials. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 5562-5578	8.3	13
77	Phosphate modulates receptor sulfotyrosine recognition by the chemokine monocyte chemoattractant protein-1 (MCP-1/CCL2). <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 2162-9	3.9	13
76	Revealing the functional roles of tyrosine sulfation using synthetic sulfopeptides and sulfoproteins. <i>Current Opinion in Chemical Biology</i> , 2020 , 58, 72-85	9.7	13
75	Synthesis of full length and truncated microcin B17 analogues as DNA gyrase poisons. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 1570-8	3.9	12
74	CCR7 Sulfotyrosine Enhances CCL21 Binding. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	12
73	Elucidation of Mycobacterium tuberculosis type II dehydroquinase inhibitors using a fragment elaboration strategy. <i>ChemMedChem</i> , 2012 , 7, 1031-43	3.7	12
72	Stereoselective synthesis of sialylated tumor-associated glycosylamino acids. <i>Organic Letters</i> , 2013 , 15, 5794-7	6.2	12
71	Total synthesis of fellutamide B and deoxy-fellutamides B, C, and D. <i>Marine Drugs</i> , 2013 , 11, 2382-97	6	12
70	Design and synthesis of aromatic inhibitors of anthranilate synthase. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 3629-35	3.9	12
69	Chemical Synthesis of Phosphorylated Insulin-like Growth Factor Binding Protein 2. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5336-5342	16.4	12
68	Evaluation and extension of the two-site, two-step model for binding and activation of the chemokine receptor CCR1. <i>Journal of Biological Chemistry</i> , 2019 , 294, 3464-3475	5.4	11
67	CHD4 slides nucleosomes by decoupling entry- and exit-side DNA translocation. <i>Nature Communications</i> , 2020 , 11, 1519	17.4	11
66	Total synthesis of Polydiscamides B, C, and D via a convergent native chemical ligation-oxidation strategy. <i>Organic Letters</i> , 2014 , 16, 4500-3	6.2	11
65	Synthetic protein conjugate vaccines provide protection against in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
64	Synthesis and evaluation of potent ene-yne inhibitors of type II dehydroquinases as tuberculosis drug leads. <i>ChemMedChem</i> , 2011 , 6, 262-5	3.7	9

63	Potent anti-SARS-CoV-2 activity by gallinamide A and analogues via inhibition of cathepsin L 2020 ,		9
62	Synthetic Studies Toward the Skellamycins: Total Synthesis and Generation of Simplified Analogues. <i>Journal of Organic Chemistry</i> , 2018 , 83, 7250-7270	4.2	9
61	The Structural Basis for Complement Inhibition by Gigastatin, a Protease Inhibitor from the Giant Amazon Leech. <i>Journal of Immunology</i> , 2017 , 199, 3883-3891	5.3	8
60	A Solution to Chemical Pseudaminylation via a Bimodal Glycosyl Donor for Highly Stereocontrolled β -Glycosylation. <i>Organic Letters</i> , 2019 , 21, 3584-3588	6.2	8
59	Discovery of Potent Cyclic Sulfopeptide Chemokine Inhibitors via Reprogrammed Genetic Code mRNA Display. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9141-9146	16.4	8
58	Synthesis of homogeneous MUC1 oligomers via a bi-directional ligation strategy. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 6090-6	3.9	8
57	Total synthesis of erythropoietin through the development and exploitation of enabling synthetic technologies. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 505-7	16.4	8
56	Synthesis and protein conjugation studies of vitamin K analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 5785-91	3.4	8
55	Total Synthesis of Glycosylated Human Interferon- γ <i>Organic Letters</i> , 2020 , 22, 6863-6867	6.2	8
54	Discovery of Cyclic Peptide Ligands to the SARS-CoV-2 Spike Protein Using mRNA Display. <i>ACS Central Science</i> , 2021 , 7, 1001-1008	16.8	8
53	Synthesis of polymers and nanoparticles bearing polystyrene sulfonate brushes for chemokine binding. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 5652-8	3.9	8
52	Synthesis and evaluation of analogues of the glycinocin family of calcium-dependent antibiotics. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 5310-5320	3.9	7
51	Total Synthesis of Skellamycins A-C. <i>Chemistry - A European Journal</i> , 2017 , 23, 15046-15049	4.8	7
50	Peptidic Aldehydes Based on β - and γ -Amino Acids: Synthesis, Inhibition of m-Calpain, and Anti-Cataract Properties. <i>Australian Journal of Chemistry</i> , 2004 , 57, 877	1.2	7
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48	Rapid one-pot iterative diselenide-selenoester ligation using a novel coumarin-based photolabile protecting group. <i>Chemical Science</i> , 2021 , 12, 10014-10021	9.4	7
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