

David R Spring

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.

249
papers

13,111
citations

55
h-index

107
g-index

310
ext. papers

14,702
ext. citations

10
avg, IF

6.86
L-index

#	Paper	IF	Citations
249	Fluorescent chemosensors for Zn(2+). <i>Chemical Society Reviews</i> , 2010 , 39, 1996-2006	58.5	822
248	Zn ²⁺ -triggered amide tautomerization produces a highly Zn ²⁺ -selective, cell-permeable, and ratiometric fluorescent sensor. <i>Journal of the American Chemical Society</i> , 2010 , 132, 601-10	16.4	616
247	Diversity-oriented synthesis as a tool for the discovery of novel biologically active small molecules. <i>Nature Communications</i> , 2010 , 1, 80	17.4	539
246	Arene C-H functionalisation using a removable/modifiable or a traceless directing group strategy. <i>Chemical Society Reviews</i> , 2014 , 43, 6906-19	58.5	500
245	Quorum sensing in Gram-negative bacteria: small-molecule modulation of AHL and AI-2 quorum sensing pathways. <i>Chemical Reviews</i> , 2011 , 111, 28-67	68.1	438
244	Peptide stapling techniques based on different macrocyclisation chemistries. <i>Chemical Society Reviews</i> , 2015 , 44, 91-102	58.5	350
243	Diversity-oriented synthesis: producing chemical tools for dissecting biology. <i>Chemical Society Reviews</i> , 2012 , 41, 4444-56	58.5	339
242	Diversity-oriented synthesis; a challenge for synthetic chemists. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 3867-70	3.9	297
241	Combating multidrug-resistant bacteria: current strategies for the discovery of novel antibacterials. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10706-33	16.4	293
240	Palladium-catalysed cross-coupling of organosilicon reagents. <i>Chemical Society Reviews</i> , 2012 , 41, 1845-68	58.5	270
239	A lysosome-targetable fluorescent probe for imaging hydrogen sulfide in living cells. <i>Organic Letters</i> , 2013 , 15, 2310-3	6.2	263
238	Diversity-oriented synthesis; a spectrum of approaches and results. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1149-58	3.9	248
237	The molecular basis of the host response to lipopolysaccharide. <i>Nature Reviews Microbiology</i> , 2010 , 8, 8-14	22.2	244
236	Chemical genetics to chemical genomics: small molecules offer big insights. <i>Chemical Society Reviews</i> , 2005 , 34, 472-82	58.5	240
235	Finding new components of the target of rapamycin (TOR) signaling network through chemical genetics and proteome chips. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 16594-9	11.5	208
234	A selective and ratiometric Cu ²⁺ fluorescent probe based on naphthalimide excimer-monomer switching. <i>Chemical Communications</i> , 2010 , 46, 2563-5	5.8	197
233	Ratiometric fluorescent and colorimetric sensors for Cu ²⁺ based on 4,5-disubstituted-1,8-naphthalimide and sensing cyanide via Cu ²⁺ displacement approach. <i>Tetrahedron</i> , 2010 , 66, 1678-1683	2.4	167

232	Cleavable linkers in antibody-drug conjugates. <i>Chemical Society Reviews</i> , 2019 , 48, 4361-4374	58.5	156
231	Applications of small molecule activators and inhibitors of quorum sensing in Gram-negative bacteria. <i>Trends in Microbiology</i> , 2012 , 20, 449-58	12.4	155
230	Diversity-oriented synthesis of biaryl-containing medium rings using a one bead/one stock solution platform. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1354-63	16.4	152
229	Functionalised staple linkages for modulating the cellular activity of stapled peptides. <i>Chemical Science</i> , 2014 , 5, 1804-1809	9.4	147
228	Induction-driven stabilization of the anion-π interaction in electron-rich aromatics as the key to fluoride inclusion in imidazolium-cage receptors. <i>Chemistry - A European Journal</i> , 2011 , 17, 1163-70	4.8	144
227	Coumarin-derived transformable fluorescent sensor for Zn ²⁺ . <i>Chemical Communications</i> , 2012 , 48, 4764-68	5.8	135
226	Development of off-on fluorescent probes for heavy and transition metal ions. <i>Chemical Communications</i> , 2010 , 46, 1679-81	5.8	121
225	Anti-MRSA agent discovery using diversity-oriented synthesis. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2808-12	16.4	113
224	A strategy for the diversity-oriented synthesis of macrocyclic scaffolds using multidimensional coupling. <i>Nature Chemistry</i> , 2013 , 5, 861-7	17.6	105
223	Overcoming Chemical, Biological, and Computational Challenges in the Development of Inhibitors Targeting Protein-Protein Interactions. <i>Chemistry and Biology</i> , 2015 , 22, 689-703		103
222	Chemical genetics. <i>Chemical Society Reviews</i> , 2011 , 40, 4332-45	58.5	100
221	The discovery of antibacterial agents using diversity-oriented synthesis. <i>Chemical Communications</i> , 2009 , 2446-62	5.8	100
220	Diversity-oriented synthesis of macrocyclic peptidomimetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6793-8	11.5	95
219	Quantitatively mapping cellular viscosity with detailed organelle information via a designed PET fluorescent probe. <i>Scientific Reports</i> , 2014 , 4, 5418	4.9	92
218	Skeletal diversity construction via a branching synthetic strategy. <i>Chemical Communications</i> , 2006 , 3296-8	5.8	87
217	Communications blackout? Do N-acylhomoserine-lactone-degrading enzymes have any role in quorum sensing?. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 2023-2028	2.9	83
216	A one-bead, one-stock solution approach to chemical genetics: part 2. <i>Chemistry and Biology</i> , 2001 , 8, 1183-95		83
215	Synthesis and stability of small molecule probes for <i>Pseudomonas aeruginosa</i> quorum sensing modulation. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 3329-36	3.9	81

214	Rational methods for the selection of diverse screening compounds. <i>ACS Chemical Biology</i> , 2011 , 6, 208-17	17	80
213	Structure of a Blinkin-BUBR1 Complex Reveals an Interaction Crucial for Kinetochore-Mitotic Checkpoint Regulation via an Unanticipated Binding Site. <i>Structure</i> , 2011 , 19, 1895	5.2	78
212	Towards Diversity-Oriented, Stereoselective Syntheses of Biaryl- or Bis(aryl)metal-Containing Medium Rings. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5656-5657	16.4	78
211	Studies on the Biomimetic Synthesis of the Manzamine Alkaloids. <i>Chemistry - A European Journal</i> , 1999 , 5, 3154-3161	4.8	76
210	Double Strain-Promoted Macrocyclization for the Rapid Selection of Cell-Active Stapled Peptides. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15410-3	16.4	74
209	Site-selective modification strategies in antibody-drug conjugates. <i>Chemical Society Reviews</i> , 2021 , 50, 1305-1353	58.5	69
208	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. <i>Nature Communications</i> , 2014 , 5, 3155	17.4	68
207	Diversity-oriented synthesis. <i>Chemical Record</i> , 2008 , 8, 129-42	6.6	66
206	Metabolic and regulatory engineering of <i>Serratia marcescens</i> : mimicking phage-mediated horizontal acquisition of antibiotic biosynthesis and quorum-sensing capacities. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 1899-1911	2.9	65
205	Strategies for the Diversity-Oriented Synthesis of Macrocycles. <i>Chemical Reviews</i> , 2019 , 119, 10288-10318	178.1	64
204	Using ligand-mapping simulations to design a ligand selectively targeting a cryptic surface pocket of polo-like kinase 1. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10078-81	16.4	60
203	Die Bekämpfung multiresistenter Bakterien: aktuelle Strategien zur Entdeckung neuer Antibiotika. <i>Angewandte Chemie</i> , 2013 , 125, 10904-10932	3.6	59
202	Variations on a theme: diverse N-acyl homoserine lactone-mediated quorum sensing mechanisms in gram-negative bacteria. <i>Science Progress</i> , 2006 , 89, 167-211	1.1	59
201	Structure of a Blinkin-BUBR1 complex reveals an interaction crucial for kinetochore-mitotic checkpoint regulation via an unanticipated binding Site. <i>Structure</i> , 2011 , 19, 1691-700	5.2	58
200	Inhibition of the production of the <i>Pseudomonas aeruginosa</i> virulence factor pyocyanin in wild-type cells by quorum sensing autoinducer-mimics. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 8452-64	3.9	57
199	Design, synthesis and biological evaluation of non-natural modulators of quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 6032-44	3.9	56
198	Discovery of a highly selective turn-on fluorescent probe for Ag ⁺ . <i>Analyst, The</i> , 2010 , 135, 2554-9	5	56
197	Assessment of structural diversity in combinatorial synthesis. <i>Current Opinion in Chemical Biology</i> , 2005 , 9, 304-9	9.7	56

196	Synthesis of medium-ring and iodinated biaryl compounds by organocuprate oxidation. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1870-3	16.4	56
195	The oxidation of organocuprates--an offbeat strategy for synthesis. <i>Chemical Society Reviews</i> , 2006 , 35, 218-25	58.5	55
194	A two-component 'double-click' approach to peptide stapling. <i>Nature Protocols</i> , 2015 , 10, 585-94	18.8	54
193	Fluorescent sensing and discrimination of ATP and ADP based on a unique sandwich assembly of pyrene-adenine-pyrene. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2114-22	4.5	54
192	Exploiting domino enyne metathesis mechanisms for skeletal diversity generation. <i>Chemical Communications</i> , 2008 , 3001-3	5.8	54
191	How diverse are diversity assessment methods? A comparative analysis and benchmarking of molecular descriptor space. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 230-42	6.1	53
190	A general approach for the site-selective modification of native proteins, enabling the generation of stable and functional antibody-drug conjugates. <i>Chemical Science</i> , 2019 , 10, 694-700	9.4	52
189	Using Peptidomimetics and Constrained Peptides as Valuable Tools for Inhibiting Protein-Protein Interactions. <i>Molecules</i> , 2018 , 23,	4.8	49
188	Diversity-oriented synthesis of drug-like macrocyclic scaffolds using an orthogonal organo- and metal catalysis strategy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13093-7	16.4	49
187	Total synthesis of sanguin H-5. <i>Organic Letters</i> , 2008 , 10, 2593-6	6.2	47
186	Fluorous tagged small molecule microarrays. <i>Chemical Communications</i> , 2007 , 3906-8	5.8	46
185	Identification of an anti-MRSA dihydrofolate reductase inhibitor from a diversity-oriented synthesis. <i>Chemical Communications</i> , 2008 , 4962-4	5.8	46
184	Cell-cell communication in Gram-negative bacteria. <i>Molecular BioSystems</i> , 2005 , 1, 196-202		46
183	Investigating peptide sequence variations for 'double-click' stapled p53 peptides. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4074-7	3.9	45
182	Structure-activity analysis of the Pseudomonas quinolone signal molecule. <i>Journal of Bacteriology</i> , 2010 , 192, 3833-7	3.5	45
181	Partially Saturated Bicyclic Heteroaromatics as an sp ³ -Enriched Fragment Collection. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12479-83	16.4	45
180	Macrocyclized Extended Peptides: Inhibiting the Substrate-Recognition Domain of Tankyrase. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2245-2256	16.4	44
179	Microwave and flow syntheses of Pseudomonas quinolone signal (PQS) and analogues. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 57-61	3.9	44

178	Synthesis of unprecedented scaffold diversity. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1194-1196	6.4	44
177	Small-molecule screening: advances in microarraying and cell-imaging technologies. <i>ACS Chemical Biology</i> , 2007 , 2, 24-30	4.9	44
176	Allosteric modulation of AURKA kinase activity by a small-molecule inhibitor of its protein-protein interaction with TPX2. <i>Scientific Reports</i> , 2016 , 6, 28528	4.9	43
175	Synthesis and utilization of functionalized polystyrene resins. <i>Tetrahedron</i> , 2005 , 61, 12153-12159	2.4	43
174	Diversity-Oriented Synthesis of Macrocyclic Libraries for Drug Discovery and Chemical Biology. <i>Synthesis</i> , 2016 , 48, 1457-1473	2.9	42
173	Is synthesis the main hurdle for the generation of diversity in compound libraries for screening?. <i>Expert Opinion on Drug Discovery</i> , 2009 , 4, 467-72	6.2	41
172	A quorum-sensing molecule acts as a morphogen controlling gas vesicle organelle biogenesis and adaptive flotation in an enterobacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14932-7	11.5	41
171	Peptides as a platform for targeted therapeutics for cancer: peptide-drug conjugates (PDCs). <i>Chemical Society Reviews</i> , 2021 , 50, 1480-1494	58.5	41
170	Enantioselective Synthesis of Chromanones via a Peptidic Phosphane Catalyzed Rauhut-Currier Reaction. <i>Organic Letters</i> , 2015 , 17, 2462-5	6.2	40
169	Diversity-oriented synthesis of bicyclic and tricyclic alkaloids. <i>Chemical Communications</i> , 2010 , 46, 776-8	5.8	40
168	Multifunctional supramolecular polymer networks as next-generation consolidants for archaeological wood conservation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17743-8	11.5	39
167	Specific inhibition of CK2 β from an anchor outside the active site. <i>Chemical Science</i> , 2016 , 7, 6839-6845	9.4	39
166	A fragment-based approach leading to the discovery of a novel binding site and the selective CK2 inhibitor CAM4066. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 3471-3482	3.4	37
165	Recent Applications of Diversity-Oriented Synthesis Toward Novel, 3-Dimensional Fragment Collections. <i>Frontiers in Chemistry</i> , 2018 , 6, 460	5	37
164	Linear aliphatic dialkynes as alternative linkers for double-click stapling of p53-derived peptides. <i>ChemBioChem</i> , 2014 , 15, 2680-3	3.8	36
163	Aryl-aryl coupling via directed lithiation and oxidation. <i>Chemical Communications</i> , 2005 , 2589-90	5.8	36
162	The multifaceted nature of antimicrobial peptides: current synthetic chemistry approaches and future directions. <i>Chemical Society Reviews</i> , 2021 , 50, 7820-7880	58.5	36
161	Development of Cell-Permeable, Non-Helical Constrained Peptides to Target a Key Protein-Protein Interaction in Ovarian Cancer. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 524-529	16.4	35

160	Virulence in <i>Pectobacterium atrosepticum</i> is regulated by a coincidence circuit involving quorum sensing and the stress alarmone, (p)ppGpp. <i>Molecular Microbiology</i> , 2013 , 90, 457-71	4.1	35
159	Synthesis and biological profiling of tellimagrandin I and analogues reveals that the medium ring can significantly modulate biological activity. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 2590-3	3.9	35
158	A diversity-oriented synthesis strategy enabling the combinatorial-type variation of macrocyclic peptidomimetic scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4570-80	3.9	34
157	A Multidimensional Diversity-Oriented Synthesis Strategy for Structurally Diverse and Complex Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11139-43	16.4	34
156	Diversity-oriented synthesis of disubstituted alkenes using masked silanols. <i>Organic Letters</i> , 2010 , 12, 2806-9	6.2	33
155	Which microbial factors really are important in <i>Pseudomonas aeruginosa</i> infections?. <i>Future Microbiology</i> , 2015 , 10, 1825-36	2.9	32
154	A two-directional strategy for the diversity-oriented synthesis of macrocyclic scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 7545-51	3.9	32
153	Towards quorum-quenching catalytic antibodies. <i>Chemical Communications</i> , 2009 , 538-40	5.8	32
152	Structure-activity relationships of <i>Erwinia carotovora</i> quorum sensing signaling molecules. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005 , 15, 4235-8	2.9	32
151	Photocatalytic methods for amino acid modification. <i>Chemical Society Reviews</i> , 2021 , 50, 39-57	58.5	31
150	Diversity-oriented synthesis of heterocycles and macrocycles by controlled reactions of oxetanes with β -iminocarbenes. <i>Chemical Science</i> , 2017 , 8, 5713-5720	9.4	30
149	Controlling the contents of microdroplets by exploiting the permeability of PDMS. <i>Lab on A Chip</i> , 2011 , 11, 1132-7	7.2	30
148	Importance of relative humidity in the oxidative ageing of organic aerosols: case study of the ozonolysis of maleic acid aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12181-12195	6.8	30
147	An approach to the manzamine alkaloids modelled on a biogenetic theory. <i>Tetrahedron</i> , 1997 , 53, 2271-2290	2.4	30
146	Fluoride-free cross coupling using vinylsiloxanes. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 1068-73	3.9	29
145	Learning the language of bacteria. <i>ACS Chemical Biology</i> , 2007 , 2, 715-7	4.9	29
144	Immunomodulatory effects of <i>Pseudomonas aeruginosa</i> quorum sensing small molecule probes on mammalian macrophages. <i>Molecular BioSystems</i> , 2006 , 2, 132-7		29
143	The use of chlorobenzene as a probe molecule in molecular dynamics simulations. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 1821-7	6.1	28

142	Toxicity of six plant extracts and two pyridone alkaloids from <i>Ricinus communis</i> against the malaria vector <i>Anopheles gambiae</i> . <i>Parasites and Vectors</i> , 2014 , 7, 312	4	27
141	The effect of humidity on the ozonolysis of unsaturated compounds in aerosol particles. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8023-31	3.6	27
140	2-Heptyl-4-quinolone, a precursor of the <i>Pseudomonas</i> quinolone signal molecule, modulates swarming motility in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2011 , 193, 6770-80	3.5	27
139	Stapled peptides as a new technology to investigate protein-protein interactions in human platelets. <i>Chemical Science</i> , 2018 , 9, 4638-4643	9.4	26
138	Efficient synthesis of the sponge alkaloids cyclostelletamines A-F. <i>Tetrahedron</i> , 1998 , 54, 13655-13680	2.4	26
137	Gemmacin B: bringing diversity back into focus. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 2978-81	3.9	26
136	The Application of Ligand-Mapping Molecular Dynamics Simulations to the Rational Design of Peptidic Modulators of Protein-Protein Interactions. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 3199-210	6.4	25
135	A new quinolone signal (PQS) binding partner: MexG. <i>Chemical Science</i> , 2016 , 7, 2553-2562	9.4	25
134	Novel non-ATP competitive small molecules targeting the CK2 β interface. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 3016-3020	3.4	24
133	Robust routes for the synthesis of N-acylated-L-homoserine lactone (AHL) quorum sensing molecules with high levels of enantiomeric purity. <i>Tetrahedron Letters</i> , 2011 , 52, 3291-3294	2	24
132	Complete functionalisation of small and large diameter bromopolystyrene beads; applications for solid-supported reagents, scavengers and diversity-oriented synthesis. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 1679-81	3.9	24
131	Antiplasmodial and trypanocidal activity of violacein and deoxyviolacein produced from synthetic operons. <i>BMC Biotechnology</i> , 2018 , 18, 22	3.5	23
130	3D small-molecule microarrays. <i>Chemical Communications</i> , 2009 , 7107-9	5.8	23
129	Copper catalyzed oxidation of organozinc halides. <i>Chemical Communications</i> , 2006 , 3883-5	5.8	23
128	Loving the poison: the methylcitrate cycle and bacterial pathogenesis. <i>Microbiology (United Kingdom)</i> , 2018 , 164, 251-259	2.9	23
127	The Synthesis of Quinolone Natural Products from <i>Pseudonocardia</i> sp.. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 434-437	3.2	23
126	Second-generation CK2 β inhibitors targeting the β pocket. <i>Chemical Science</i> , 2018 , 9, 3041-3049	9.4	22
125	Concise copper-catalyzed synthesis of tricyclic biaryl ether-linked aza-heterocyclic ring systems. <i>Organic Letters</i> , 2013 , 15, 5448-51	6.2	22

124	Sulfatase-cleavable linkers for antibody-drug conjugates. <i>Chemical Science</i> , 2020 , 11, 2375-2380	9.4	22
123	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. <i>Scientific Reports</i> , 2016 , 6, 23732	4.9	22
122	Synthesis of Structurally Diverse N-Substituted Quaternary-Carbon-Containing Small Molecules from β -Disubstituted Propargyl Amino Esters. <i>Chemistry - A European Journal</i> , 2018 , 24, 13681-13687	4.8	21
121	Two-Component Stapling of Biologically Active and Conformationally Constrained Peptides: Past, Present, and Future. <i>Advanced Therapeutics</i> , 2018 , 1, 1800052	4.9	21
120	Spirocycles as Rigidified sp-Rich Scaffolds for a Fragment Collection. <i>Organic Letters</i> , 2019 , 21, 4600-4604	4.2	20
119	Efficient development of stable and highly functionalised peptides targeting the CK2 β /CK2 α protein-protein interaction. <i>Chemical Science</i> , 2019 , 10, 5056-5063	9.4	20
118	Identification of new quorum sensing autoinducer binding partners in using photoaffinity probes. <i>Chemical Science</i> , 2017 , 8, 7403-7411	9.4	20
117	Double Strain-Promoted Macrocyclization for the Rapid Selection of Cell-Active Stapled Peptides. <i>Angewandte Chemie</i> , 2015 , 127, 15630-15633	3.6	20
116	Palladium-catalysed cross-coupling of vinylsiloxanes with benzylic and allylic halides and sulfonates. <i>Chemistry - A European Journal</i> , 2012 , 18, 8774-9	4.8	20
115	Diversity-Oriented Synthesis of Drug-Like Macrocyclic Scaffolds Using an Orthogonal Organo- and Metal Catalysis Strategy. <i>Angewandte Chemie</i> , 2014 , 126, 13309-13313	3.6	19
114	Two-directional synthesis as a tool for diversity-oriented synthesis: Synthesis of alkaloid scaffolds. <i>Beilstein Journal of Organic Chemistry</i> , 2012 , 8, 850-60	2.5	19
113	Discovery of a quorum sensing modulator pharmacophore by 3D small-molecule microarray screening. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 5313-23	3.9	19
112	Vinylsiloxanes: their synthesis, cross coupling and applications. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 504-15	3.9	19
111	The reductive cleavage of picolinic amides. <i>Tetrahedron Letters</i> , 2016 , 57, 2962-2964	2	19
110	An expedient strategy for the diversity-oriented synthesis of macrocyclic compounds with natural product-like characteristics. <i>Tetrahedron</i> , 2016 , 72, 3567-3578	2.4	18
109	Concise Synthesis of Substituted Quinolizin-4-ones by Ring-Closing Metathesis. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 5767-5776	3.2	18
108	Surface swarming motility by <i>Pectobacterium atrosepticum</i> is a latent phenotype that requires O antigen and is regulated by quorum sensing. <i>Microbiology (United Kingdom)</i> , 2013 , 159, 2375-2385	2.9	18
107	Engineering of new prodigiosin-based biosensors of <i>Serratia</i> for facile detection of short-chain N-acyl homoserine lactone quorum-sensing molecules. <i>Environmental Microbiology Reports</i> , 2010 , 2, 322-37	3.7	18

106	Chemogenomics approaches for receptor deorphanization and extensions of the chemogenomics concept to phenotypic space. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 1964-77	3	18
105	Enriching chemical space with diversity-oriented synthesis. <i>Current Opinion in Drug Discovery & Development</i> , 2006 , 9, 700-12		18
104	Divergent and concise total syntheses of dihydrochalcones and 5-deoxyflavones recently isolated from <i>Tacca</i> species and <i>Mimosa diplotricha</i> . <i>Tetrahedron</i> , 2015 , 71, 4557-4564	2.4	17
103	Cycloaddition Strategies for the Synthesis of Diverse Heterocyclic Spirocycles for Fragment-Based Drug Discovery. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 5219-5229	3.2	17
102	Development of a Multifunctional Benzophenone Linker for Peptide Stapling and Photoaffinity Labelling. <i>ChemBioChem</i> , 2016 , 17, 689-92	3.8	17
101	Toolbox of Diverse Linkers for Navigating the Cellular Efficacy Landscape of Stapled Peptides. <i>ACS Chemical Biology</i> , 2019 , 14, 526-533	4.9	16
100	Targeting the Genome-Stability Hub Ctf4 by Stapled-Peptide Design. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12866-12872	16.4	16
99	Microwave-assisted preparation of the quorum-sensing molecule 2-heptyl-3-hydroxy-4(1H)-quinolone and structurally related analogs. <i>Nature Protocols</i> , 2012 , 7, 1184-92	18.8	16
98	Novel and efficient copper-catalysed synthesis of nitrogen-linked medium-ring biaryls. <i>Chemistry - A European Journal</i> , 2011 , 17, 2981-6	4.8	16
97	Discovery of an inhibitor of the production of the <i>Pseudomonas aeruginosa</i> virulence factor pyocyanin in wild-type cells. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 1428-33	2.5	16
96	Synthesis of a novel polycyclic ring scaffold with antimetabolic properties a selective domino Heck-Suzuki reaction. <i>Chemical Science</i> , 2015 , 6, 390-396	9.4	15
95	Fsp-rich and diverse fragments inspired by natural products as a collection to enhance fragment-based drug discovery. <i>Chemical Communications</i> , 2020 , 56, 2280-2283	5.8	15
94	A novel Diels-Alder approach to hydroisoquinolines. <i>Tetrahedron Letters</i> , 1998 , 39, 5417-5420	2	15
93	Using chemical probes to investigate the sub-inhibitory effects of azithromycin. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 4120-4	3.9	15
92	2-Methoxycyclopentyl analogues of a <i>Pseudomonas aeruginosa</i> quorum sensing modulator. <i>Molecular BioSystems</i> , 2008 , 4, 505-7		15
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