

# David R Spring

## List of Publications by Year in descending order

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249  
papers

16,084  
citations

25423

59  
h-index

22488

117  
g-index

310  
all docs

310  
docs citations

310  
times ranked

18806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Divinylpyrimidine reagents generate antibody-drug conjugates with excellent <i>in vivo</i> efficacy and tolerability. <i>Chemical Communications</i> , 2022, 58, 1962-1965.	2.2	10
2	Development of small cyclic peptides targeting the CK2 $\pm$ /I $\beta$ 2 interface. <i>Chemical Communications</i> , 2022, , .	2.2	1
3	Photocatalytic methods for amino acid modification. <i>Chemical Society Reviews</i> , 2021, 50, 39-57.	18.7	93
4	Site-selective modification strategies in antibody-drug conjugates. <i>Chemical Society Reviews</i> , 2021, 50, 1305-1353.	18.7	207
5	Peptides as a platform for targeted therapeutics for cancer: peptide-drug conjugates (PDCs). <i>Chemical Society Reviews</i> , 2021, 50, 1480-1494.	18.7	183
6	Chemical probes targeting the kinase CK2: a journey outside the catalytic box. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4380-4396.	1.5	19
7	Rapid and robust cysteine bioconjugation with vinylheteroarenes. <i>Chemical Science</i> , 2021, 12, 9060-9068.	3.7	14
8	The multifaceted nature of antimicrobial peptides: current synthetic chemistry approaches and future directions. <i>Chemical Society Reviews</i> , 2021, 50, 7820-7880.	18.7	187
9	Downfalls of Chemical Probes Acting at the Kinase ATP-Site: CK2 as a Case Study. <i>Molecules</i> , 2021, 26, 1977.	1.7	16
10	Microscopy and chemical analyses reveal flavone-based woolly fibres extrude from micron-sized holes in glandular trichomes of <i>Dionysia tapetodes</i> . <i>BMC Plant Biology</i> , 2021, 21, 258.	1.6	2
11	A dual-enzyme cleavable linker for antibody-drug conjugates. <i>Chemical Communications</i> , 2021, 57, 3457-3460.	2.2	16
12	The role of chemical synthesis in developing RiPP antibiotics. <i>Chemical Society Reviews</i> , 2021, 50, 4245-4258.	18.7	20
13	Targeting a Novel KRAS Binding Site: Application of One-Component Stapling of Small (5-mer) Peptides. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17287-17303.	2.9	6
14	Energetics of lipid transport by the ABC transporter MsbA is lipid dependent. <i>Communications Biology</i> , 2021, 4, 1379.	2.0	8
15	Functionalized Double Strain-Promoted Stapled Peptides for Inhibiting the p53-MDM2 Interaction. <i>ACS Omega</i> , 2020, 5, 1157-1169.	1.6	7
16	Total synthesis and biological evaluation of simplified aplyronine analogues as synthetically tractable anticancer agents. <i>Chemical Communications</i> , 2020, 56, 1529-1532.	2.2	9
17	Expeditious Total Synthesis of Hemiasterlin through a Convergent Multicomponent Strategy and Its Use in Targeted Cancer Therapeutics. <i>Angewandte Chemie</i> , 2020, 132, 23245-23250.	1.6	0
18	Expeditious Total Synthesis of Hemiasterlin through a Convergent Multicomponent Strategy and Its Use in Targeted Cancer Therapeutics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23045-23050.	7.2	14

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19	Divergent Synthesis of Novel Cylindrocyclophanes that Inhibit Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>ChemMedChem</i> , 2020, 15, 1289-1293.	1.6	4
20	Demonstration of the utility of DOS-derived fragment libraries for rapid hit derivatisation in a multidirectional fashion. <i>Chemical Science</i> , 2020, 11, 10792-10801.	3.7	11
21	An efficient, stereocontrolled and versatile synthetic route to bicyclic partially saturated privileged scaffolds. <i>Chemical Communications</i> , 2020, 56, 6818-6821.	2.2	6
22	Diarylethene moiety as an enthalpy-entropy switch: photoisomerizable stapled peptides for modulating p53/MDM2 interaction. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5359-5369.	1.5	14
23	General dual functionalisation of biomacromolecules <i>via</i> a cysteine bridging strategy. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4224-4230.	1.5	19
24	Hydroxylated Rotenoids Selectively Inhibit the Proliferation of Prostate Cancer Cells. <i>Journal of Natural Products</i> , 2020, 83, 1829-1845.	1.5	13
25	Efficient and selective antibody modification with functionalised divinyltriazines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4739-4743.	1.5	17
26	Hotspots API: A Python Package for the Detection of Small Molecule Binding Hotspots and Application to Structure-Based Drug Design. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 1911-1916.	2.5	15
27	Development of a Novel Cell-Permeable Protein-Protein Interaction Inhibitor for the Polo-box Domain of Polo-like Kinase 1. <i>ACS Omega</i> , 2020, 5, 822-831.	1.6	6
28	Fsp3-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.	2.2	28
29	2-Aminopyridine Analogs Inhibit Both Enzymes of the Glyoxylate Shunt in <i>Pseudomonas aeruginosa</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 2490.	1.8	5
30	Sulfatase-cleavable linkers for antibody-drug conjugates. <i>Chemical Science</i> , 2020, 11, 2375-2380.	3.7	40
31	C(sp <sup>3</sup> ) <sup>H</sup> arylation to construct all-syn cyclobutane-based heterobicyclic systems: a novel fragment collection. <i>Chemical Communications</i> , 2020, 56, 7423-7426.	2.2	7
32	Water-soluble, stable and azide-reactive strained dialkynes for biocompatible double strain-promoted click chemistry. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8014-8018.	1.5	14
33	Cleavable linkers in antibody-drug conjugates. <i>Chemical Society Reviews</i> , 2019, 48, 4361-4374.	18.7	316
34	Macrocyclisation and functionalisation of unprotected peptides <i>via</i> divinyltriazine cysteine stapling. <i>Chemical Communications</i> , 2019, 55, 9499-9502.	2.2	20
35	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.	1.2	26
36	A cryptic hydrophobic pocket in the polo-box domain of the polo-like kinase PLK1 regulates substrate recognition and mitotic chromosome segregation. <i>Scientific Reports</i> , 2019, 9, 15930.	1.6	17

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37	Direct Synthesis of N-Functionalized Dipropargylamine Linkers as Models for Use in Peptide Stapling. <i>Synlett</i> , 2019, 30, 2153-2156.	1.0	0
38	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.	3.7	85
39	Synthesis and Reactivity of a Bis-Strained Alkyne Derived from 1,1'-Biphenyl-2,2',6,6'-tetrol. <i>ACS Omega</i> , 2019, 4, 2160-2167.	1.6	3
40	Toolbox of Diverse Linkers for Navigating the Cellular Efficacy Landscape of Stapled Peptides. <i>ACS Chemical Biology</i> , 2019, 14, 526-533.	1.6	28
41	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. <i>Chemical Communications</i> , 2019, 55, 7914-7917.	2.2	23
42	Strategies for the Diversity-Oriented Synthesis of Macrocycles. <i>Chemical Reviews</i> , 2019, 119, 10288-10317.	23.0	129
43	Spirocycles as Rigidified sp <sup>3</sup> -Rich Scaffolds for a Fragment Collection. <i>Organic Letters</i> , 2019, 21, 4600-4604.	2.4	35
44	Efficient development of stable and highly functionalised peptides targeting the CK2 <sup>1</sup> /CK2 <sup>2</sup> protein-protein interaction. <i>Chemical Science</i> , 2019, 10, 5056-5063.	3.7	27
45	Second-generation CK2 <sup>1</sup> inhibitors targeting the <sup>1</sup> D pocket. <i>Chemical Science</i> , 2018, 9, 3041-3049.	3.7	32
46	Bioinspired Total Synthesis of Bussealin E. <i>Organic Letters</i> , 2018, 20, 1597-1599.	2.4	8
47	Stapled peptides as a new technology to investigate protein-protein interactions in human platelets. <i>Chemical Science</i> , 2018, 9, 4638-4643.	3.7	33
48	Synthesis of structurally diverse biflavonoids. <i>Tetrahedron</i> , 2018, 74, 5089-5101.	1.0	9
49	Studies Towards the Synthesis of the Core of Endiandric Acid H. <i>Chemistry of Natural Compounds</i> , 2018, 54, 289-292.	0.2	6
50	Highly reactive bis-cyclooctyne-modified diarylethene for SPAAC-mediated cross-linking. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8559-8564.	1.5	11
51	Synthesis and biological evaluation of 1,2-disubstituted 4-quinolone analogues of <i>Pseudocardia</i> sp. natural products. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2680-2688.	1.3	7
52	Recent Applications of Diversity-Oriented Synthesis Toward Novel, 3-Dimensional Fragment Collections. <i>Frontiers in Chemistry</i> , 2018, 6, 460.	1.8	51
53	Using Peptidomimetics and Constrained Peptides as Valuable Tools for Inhibiting Protein-Protein Interactions. <i>Molecules</i> , 2018, 23, 959.	1.7	68
54	Synthesis of Structurally Diverse N-Substituted Quaternary-Carbon-Containing Small Molecules from <sup>1</sup> , <sup>1</sup> -Disubstituted Propargyl Amino Esters. <i>Chemistry - A European Journal</i> , 2018, 24, 13681-13687.	1.7	24

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55	Novel non-ATP competitive small molecules targeting the CK2 $\hat{I}\pm/\hat{I}^2$ interface. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3016-3020.	1.4	35
56	Antiplasmodial and trypanocidal activity of violacein and deoxyviolacein produced from synthetic operons. <i>BMC Biotechnology</i> , 2018, 18, 22.	1.7	32
57	Two-Component Stapling of Biologically Active and Conformationally Constrained Peptides: Past, Present, and Future. <i>Advanced Therapeutics</i> , 2018, 1, 1800052.	1.6	33
58	Semi-syntheses of the 11-hydroxyrotenoids sumatrol and villosinol. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6395-6398.	1.5	3
59	Chapter 2. The Application of Diversity-oriented Synthesis in Chemical Biology. <i>Chemical Biology</i> , 2018, 8-44.	0.1	3
60	Loving the poison: the methylcitrate cycle and bacterial pathogenesis. <i>Microbiology (United Kingdom)</i> , 2018, 164, 251-259.	0.7	39
61	Macrocyclized Extended Peptides: Inhibiting the Substrate-Recognition Domain of Tankyrase. <i>Journal of the American Chemical Society</i> , 2017, 139, 2245-2256.	6.6	55
62	Stereocontrolled semi-syntheses of deguelin and tephrosin. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1593-1596.	1.5	14
63	Development of Cell-Permeable, Non-Helical Constrained Peptides to Target a Key Protein-Protein Interaction in Ovarian Cancer. <i>Angewandte Chemie</i> , 2017, 129, 539-544.	1.6	6
64	A novel complexity-to-diversity strategy for the diversity-oriented synthesis of structurally diverse and complex macrocycles from quinine. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2825-2843.	1.4	20
65	Divergent synthesis of biflavonoids yields novel inhibitors of the aggregation of amyloid $\hat{I}^2$ (1 $\hat{I}$ 42). <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4554-4570.	1.5	11
66	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.	1.4	48
67	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.	7.2	41
68	Diversity-oriented synthesis of heterocycles and macrocycles by controlled reactions of oxetanes with $\hat{I}\pm$ -iminocarbenes. <i>Chemical Science</i> , 2017, 8, 5713-5720.	3.7	41
69	Protein modification via alkyne hydrosilylation using a substoichiometric amount of ruthenium( $\langle\text{sc}p\rangle\text{ii}\langle/\text{sc}p\rangle$ ) catalyst. <i>Chemical Science</i> , 2017, 8, 3871-3878.	3.7	18
70	Complex peptides made simple. <i>Nature Chemistry</i> , 2017, 9, 9-10.	6.6	2
71	Stereocontrolled Semisyntheses of Elliptone and 12 $\hat{I}^2$ -Hydroxyelliptone. <i>Journal of Natural Products</i> , 2017, 80, 2751-2755.	1.5	11
72	Identification of new quorum sensing autoinducer binding partners in <i>Pseudomonas aeruginosa</i> using photoaffinity probes. <i>Chemical Science</i> , 2017, 8, 7403-7411.	3.7	24

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73	Computationally-guided optimization of small-molecule inhibitors of the Aurora A kinase-protein interaction. <i>Chemical Communications</i> , 2017, 53, 9372-9375.	2.2	15
74	Targeting the Genome-Stability Hub Ctf4 by Stapled-Peptide Design. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12866-12872.	7.2	22
75	Targeting the Genome-Stability Hub Ctf4 by Stapled-Peptide Design. <i>Angewandte Chemie</i> , 2017, 129, 13046-13052.	1.6	2
76	( <i>Z</i> )-Selective Takai olefination of salicylaldehydes. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 323-328.	1.3	5
77	Structural and Functional Characterization of Malate Synthase G from Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 2017, 56, 5539-5549.	1.2	12
78	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, 1428-1433.	1.3	19
79	Combinatorial Synthesis of Structurally Diverse Triazole-Bridged Flavonoid Dimers and Trimers. <i>Molecules</i> , 2016, 21, 1230.	1.7	16
80	The <i>Pseudomonas</i> Quinolone Signal (PQS). <i>Israel Journal of Chemistry</i> , 2016, 56, 282-294.	1.0	18
81	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. <i>Scientific Reports</i> , 2016, 6, 23732.	1.6	28
82	The reductive cleavage of picolinic amides. <i>Tetrahedron Letters</i> , 2016, 57, 2962-2964.	0.7	32
83	Partially Saturated Bicyclic Heteroaromatics as an $sp^3$ -Enriched Fragment Collection. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12479-12483.	7.2	55
84	Structural and calorimetric studies demonstrate that the hepatocyte nuclear factor $1\beta$ (HNF1 $\beta$ ) transcription factor is imported into the nucleus via a monopartite NLS sequence. <i>Journal of Structural Biology</i> , 2016, 195, 273-281.	1.3	4
85	A Multidimensional Diversity-Oriented Synthesis Strategy for Structurally Diverse and Complex Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11139-11143.	7.2	42
86	Specific inhibition of CK2 $\pm$ from an anchor outside the active site. <i>Chemical Science</i> , 2016, 7, 6839-6845.	3.7	55
87	A Multidimensional Diversity-Oriented Synthesis Strategy for Structurally Diverse and Complex Macrocycles. <i>Angewandte Chemie</i> , 2016, 128, 11305-11309.	1.6	5
88	Development of a Multifunctional Benzophenone Linker for Peptide Stapling and Photoaffinity Labelling. <i>ChemBioChem</i> , 2016, 17, 689-692.	1.3	21
89	The Synthesis of Quinolone Natural Products from <i>Pseudonocardia</i> sp.. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 434-437.	1.2	25
90	Multiple-parameter Optimization in Drug Discovery: Example of the 5-HT $1B$ GPCR. <i>Molecular Informatics</i> , 2016, 35, 599-605.	1.4	4

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91	Partially Saturated Bicyclic Heteroaromatics as an $sp^3$ -Enriched Fragment Collection. <i>Angewandte Chemie</i> , 2016, 128, 12667-12671.	1.6	15
92	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.	1.6	66
93	Divergent Synthesis of Quinolone Natural Products from <i>Pseudonocardia</i> sp. CL38489. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5799-5802.	1.2	13
94	A new <i>Pseudomonas</i> quinolone signal (PQS) binding partner: MexG. <i>Chemical Science</i> , 2016, 7, 2553-2562.	3.7	38
95	Diversity-Oriented Synthesis of Macrocyclic Libraries for Drug Discovery and Chemical Biology. <i>Synthesis</i> , 2016, 48, 1457-1473.	1.2	48
96	Divergent Total Syntheses of Flavonoid Natural Products Isolated from <i>Rosa rugosa</i> and <i>Citrus unshiu</i> . <i>Synlett</i> , 2016, 27, 1725-1727.	1.0	8
97	Concise synthesis of rare pyrido[1,2- <i>a</i> ]pyrimidin-2-ones and related nitrogen-rich bicyclic scaffolds with a ring-junction nitrogen. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1031-1038.	1.5	16
98	An expedient strategy for the diversity-oriented synthesis of macrocyclic compounds with natural product-like characteristics. <i>Tetrahedron</i> , 2016, 72, 3567-3578.	1.0	21
99	Double Strain-Promoted Macrocyclization for the Rapid Selection of Cell-Active Stapled Peptides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15410-15413.	7.2	101
100	Studies towards the synthesis of indolizin-5(3H)-one derivatives and related 6,5-azabicyclic scaffolds by ring-closing metathesis. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2666-2679.	1.4	8
101	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.	1.0	21
102	A two-component 'double-click' approach to peptide stapling. <i>Nature Protocols</i> , 2015, 10, 585-594.	5.5	65
103	Overcoming Chemical, Biological, and Computational Challenges in the Development of Inhibitors Targeting Protein-Protein Interactions. <i>Chemistry and Biology</i> , 2015, 22, 689-703.	6.2	130
104	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, 3199-3210.	2.3	28
105	Synthesis of a novel polycyclic ring scaffold with antimetabolic properties via a selective domino Heck-Suzuki reaction. <i>Chemical Science</i> , 2015, 6, 390-396.	3.7	19
106	Enantioselective Synthesis of Chromanones via a Peptidic Phosphane Catalyzed Rauhut-Currier Reaction. <i>Organic Letters</i> , 2015, 17, 2462-2465.	2.4	43
107	A diversity-oriented synthesis strategy enabling the combinatorial-type variation of macrocyclic peptidomimetic scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4570-4580.	1.5	37
108	Which microbial factors really are important in <i>Pseudomonas aeruginosa</i> infections?. <i>Future Microbiology</i> , 2015, 10, 1825-1836.	1.0	37

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109	Peptide stapling techniques based on different macrocyclisation chemistries. <i>Chemical Society Reviews</i> , 2015, 44, 91-102.	18.7	441
110	Linear Aliphatic Dialkynes as Alternative Linkers for Double-Click Stapling of p53-Derived Peptides. <i>ChemBioChem</i> , 2014, 15, 2680-2683.	1.3	37
111	Functionalised staple linkages for modulating the cellular activity of stapled peptides. <i>Chemical Science</i> , 2014, 5, 1804-1809.	3.7	165
112	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, 230-242.	2.5	62
113	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. <i>Nature Communications</i> , 2014, 5, 3155.	5.8	73
114	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, 17743-17748.	3.3	50
115	Concise Synthesis of Substituted Quinolizines by Ring-Closing Metathesis. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5767-5776.	1.2	19
116	Investigating peptide sequence variations for "double-click"™ stapled p53 peptides. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4074-4077.	1.5	49
117	High Content Screening of Diverse Compound Libraries Identifies Potent Modulators of Tubulin Dynamics. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 598-603.	1.3	15
118	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.	1.0	48
119	Diversity-Oriented Synthesis of Drug-Like Macrocyclic Scaffolds Using an Orthogonal Organo- and Metal Catalysis Strategy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13093-13097.	7.2	54
120	The Use of Chlorobenzene as a Probe Molecule in Molecular Dynamics Simulations. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 1821-1827.	2.5	34
121	Arene C-H functionalisation using a removable/modifiable or a traceless directing group strategy. <i>Chemical Society Reviews</i> , 2014, 43, 6906-6919.	18.7	582
122	Quantitatively Mapping Cellular Viscosity with Detailed Organelle Information via a Designed PET Fluorescent Probe. <i>Scientific Reports</i> , 2014, 4, 5418.	1.6	109
123	Identification of Key Residues That Confer <i>Rhodobacter sphaeroides</i> LPS Activity at Horse TLR4/MD-2. <i>PLoS ONE</i> , 2014, 9, e98776.	1.1	17
124	A strategy for the diversity-oriented synthesis of macrocyclic scaffolds using multidimensional coupling. <i>Nature Chemistry</i> , 2013, 5, 861-867.	6.6	118
125	Combating Multidrug-Resistant Bacteria: Current Strategies for the Discovery of Novel Antibacterials. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10706-10733.	7.2	355
126	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, 457-471.	1.2	44



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127	Concise Copper-Catalyzed Synthesis of Tricyclic Biaryl Ether-Linked Aza-Heterocyclic Ring Systems. <i>Organic Letters</i> , 2013, 15, 5448-5451.	2.4	27
128	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.	0.7	24
129	Towards drugging the "undruggable": enhancing the scaffold diversity of synthetic small molecule screening collections using diversity-oriented synthesis. <i>Diversity Oriented Synthesis</i> , 2013, 1, .	0.2	8
130	Mild and Efficient Synthesis of Benzo-Fused Seven- and Eight-membered Ring Lactams: A Convenient Approach to Biologically Interesting Chemotypes. <i>Synthetic Communications</i> , 2013, 43, 1508-1516.	1.1	13
131	A Lysosome-Targetable Fluorescent Probe for Imaging Hydrogen Sulfide in Living Cells. <i>Organic Letters</i> , 2013, 15, 2310-2313.	2.4	279
132	Ligand Binding Kinetics of the Quorum Sensing Regulator PqsR. <i>Biochemistry</i> , 2013, 52, 4433-4438.	1.2	11
133	Dynamic Combinatorial Chemistry with Novel Dithiol Building Blocks: Towards New Structurally Diverse and Adaptive Screening Collections. <i>Synlett</i> , 2013, 24, 765-769.	1.0	5
134	Design and Synthesis of a Biotinylated Chemical Probe for Detecting the Molecular Targets of an Inhibitor of the Production of the <i>Pseudomonas aeruginosa</i> Virulence Factor Pyocyanin. <i>Molecules</i> , 2013, 18, 11783-11796.	1.7	12
135	Diversity-Oriented Synthesis. , 2012, , 39-59.		1
136	Novel Phosphate Derivatives as Scaffolds for the Preparation of Synthetic Phosphoserine-Based Peptides Using the Fmoc/t-Bu Solid-Phase Strategy. <i>Synlett</i> , 2012, 2012, 290-294.	1.0	1
137	Synthesis of Highly Substituted Symmetrical 1,3-Dienes via Organocuprate Oxidation. <i>Synlett</i> , 2012, 2012, 298-300.	1.0	2
138	The effect of humidity on the ozonolysis of unsaturated compounds in aerosol particles. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8023.	1.3	31
139	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.	1.5	70
140	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.	1.5	39
141	Two-directional synthesis as a tool for diversity-oriented synthesis: Synthesis of alkaloid scaffolds. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 850-860.	1.3	20
142	Diversity-oriented synthesis: producing chemical tools for dissecting biology. <i>Chemical Society Reviews</i> , 2012, 41, 4444.	18.7	389
143	A two-directional strategy for the diversity-oriented synthesis of macrocyclic scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7545.	1.5	32
144	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, 10078-10081.	7.2	71

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