David R Spring

List of Publications by Year
in descending order

249 papers	16,084 citations	22153 59 h-index	19749 117 g-index
310 all docs	310 docs citations	310 times ranked	16988 citing authors

#	Article	IF	Citations
1	Divinylpyrimidine reagents generate antibodyâ€“drug conjugates with excellent in vivo efficacy and tolerability. Chemical Communications, 2022, 58, 1962-1965.	4.1	10
2	Development of small cyclic peptides targeting the CK2Î±/Î² interface. Chemical Communications, 2022, , .	4.1	1
3	Photocatalytic methods for amino acid modification. Chemical Society Reviews, 2021, 50, 39-57.	38.1	93
4	Site-selective modification strategies in antibodyâ€“drug conjugates. Chemical Society Reviews, 2021, 50, 1305-1353.	38.1	207
5	Peptides as a platform for targeted therapeutics for cancer: peptideâ€“drug conjugates (PDCs). Chemical Society Reviews, 2021, 50, 1480-1494.	38.1	183
6	Chemical probes targeting the kinase CK2: a journey outside the catalytic box. Organic and Biomolecular Chemistry, 2021, 19, 4380-4396.	2.8	19
7	Rapid and robust cysteine bioconjugation with vinylheteroarenes. Chemical Science, 2021, 12, 9060-9068.	7.4	14
8	The multifaceted nature of antimicrobial peptides: current synthetic chemistry approaches and future directions. Chemical Society Reviews, 2021, 50, 7820-7880.	38.1	187
9	Downfalls of Chemical Probes Acting at the Kinase ATP-Site: CK2 as a Case Study. Molecules, 2021, 26, 1977.	3.8	16
10	Microscopy and chemical analyses reveal flavone-based woolly fibres extrude from micron-sized holes in glandular trichomes of Dionysia tapetodes. BMC Plant Biology, 2021, 21, 258.	3.6	2
11	A dual-enzyme cleavable linker for antibodyâ€“drug conjugates. Chemical Communications, 2021, 57, 3457-3460.	4.1	16
12	The role of chemical synthesis in developing RiPP antibiotics. Chemical Society Reviews, 2021, 50, 4245-4258.	38.1	20
13	Targeting a Novel KRAS Binding Site: Application of One-Component Stapling of Small (5â€“6-mer) Peptides. Journal of Medicinal Chemistry, 2021, 64, 17287-17303.	6.4	6
14	Energetics of lipid transport by the ABC transporter MsbA is lipid dependent. Communications Biology, 2021, 4, 1379.	4.4	8
15	Functionalized Double Strain-Promoted Stapled Peptides for Inhibiting the p53-MDM2 Interaction. ACS Omega, 2020, 5, 1157-1169.	3.5	7
16	Total synthesis and biological evaluation of simplified aplyronine analogues as synthetically tractable anticancer agents. Chemical Communications, 2020, 56, 1529-1532.	4.1	9
17	Expeditious Total Synthesis of Hemiasterlin through a Convergent Multicomponent Strategy and Its Use in Targeted Cancer Therapeutics. Angewandte Chemie, 2020, 132, 23245-23250.	2.0	0
18	Expeditious Total Synthesis of Hemiasterlin through a Convergent Multicomponent Strategy and Its Use in Targeted Cancer Therapeutics. Angewandte Chemie - International Edition, 2020, 59, 23045-23050.	13.8	14

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19	Divergent Synthesis of Novel Cylindrocyclophanes that Inhibit Methicillinâ€Resistant Staphylococcus aureus (MRSA). ChemMedChem, 2020, 15, 1289-1293.	3.2	4
20	Demonstration of the utility of DOS-derived fragment libraries for rapid hit derivatisation in a multidirectional fashion. Chemical Science, 2020, 11, 10792-10801.	7.4	11
21	An efficient, stereocontrolled and versatile synthetic route to bicyclic partially saturated privileged scaffolds. Chemical Communications, 2020, 56, 6818-6821.	4.1	6
22	Diarylethene moiety as an enthalpy-entropy switch: photoisomerizable stapled peptides for modulating p53/MDM2 interaction. Organic and Biomolecular Chemistry, 2020, 18, 5359-5369.	2.8	14
23	General dual functionalisation of biomacromolecules via a cysteine bridging strategy. Organic and Biomolecular Chemistry, 2020, 18, 4224-4230.	2.8	19
24	Hydroxylated Rotenoids Selectively Inhibit the Proliferation of Prostate Cancer Cells. Journal of Natural Products, 2020, 83, 1829-1845.	3.0	13
25	Efficient and selective antibody modification with functionalised divinyltriazines. Organic and Biomolecular Chemistry, 2020, 18, 4739-4743.	2.8	17
26	Hotspots API: A Python Package for the Detection of Small Molecule Binding Hotspots and Application to Structure-Based Drug Design. Journal of Chemical Information and Modeling, 2020, 60, 1911-1916.	5.4	15
27	Development of a Novel Cell-Permeable Proteinâ€“Protein Interaction Inhibitor for the Polo-box Domain of Polo-like Kinase 1. ACS Omega, 2020, 5, 822-831.	3.5	6
28	Fsp3-rich and diverse fragments inspired by natural products as a collection to enhance fragment-based drug discovery. Chemical Communications, 2020, 56, 2280-2283.	4.1	28
29	2-Aminopyridine Analogs Inhibit Both Enzymes of the Glyoxylate Shunt in Pseudomonas aeruginosa. International Journal of Molecular Sciences, 2020, 21, 2490.	4.1	5
30	Sulfatase-cleavable linkers for antibody-drug conjugates. Chemical Science, 2020, 11, 2375-2380.	7.4	40
31	C(sp³)â€“H arylation to construct all-syn cyclobutane-based heterobicyclic systems: a novel fragment collection. Chemical Communications, 2020, 56, 7423-7426.	4.1	7
32	Water-soluble, stable and azide-reactive strained dialkynes for biocompatible double strain-promoted click chemistry. Organic and Biomolecular Chemistry, 2019, 17, 8014-8018.	2.8	14
33	Cleavable linkers in antibodyâ€“drug conjugates. Chemical Society Reviews, 2019, 48, 4361-4374.	38.1	316
34	Macrocyclisation and functionalisation of unprotected peptides via divinyltriazine cysteine stapling. Chemical Communications, 2019, 55, 9499-9502.	4.1	20
35	Cycloaddition Strategies for the Synthesis of Diverse Heterocyclic Spirocycles for Fragmentâ€Based Drug Discovery. European Journal of Organic Chemistry, 2019, 2019, 5219-5229.	2.4	26
36	A cryptic hydrophobic pocket in the polo-box domain of the polo-like kinase PLK1 regulates substrate recognition and mitotic chromosome segregation. Scientific Reports, 2019, 9, 15930.	3.3	17

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37	Direct Synthesis of N-Functionalized Dipropargylamine Linkers as Models for Use in Peptide Stapling. Synlett, 2019, 30, 2153-2156.	1.8	0
38	A general approach for the site-selective modification of native proteins, enabling the generation of stable and functional antibodyâ€“drug conjugates. Chemical Science, 2019, 10, 694-700.	7.4	85
39	Synthesis and Reactivity of a Bis-Strained Alkyne Derived from 1,1â€²-Biphenyl-2,2â€²,6,6â€²-tetrol. ACS Omega, 2019, 4, 2160-2167.	3.5	3
40	Toolbox of Diverse Linkers for Navigating the Cellular Efficacy Landscape of Stapled Peptides. ACS Chemical Biology, 2019, 14, 526-533.	3.4	28
41	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. Chemical Communications, 2019, 55, 7914-7917.	4.1	23
42	Strategies for the Diversity-Oriented Synthesis of Macrocycles. Chemical Reviews, 2019, 119, 10288-10317.	47.7	129
43	Spirocycles as Rigidified sp³-Rich Scaffolds for a Fragment Collection. Organic Letters, 2019, 21, 4600-4604.	4.6	35
44	Efficient development of stable and highly functionalised peptides targeting the CK2Î±/CK2Î² proteinâ€“protein interaction. Chemical Science, 2019, 10, 5056-5063.	7.4	27
45	Second-generation CK2Î± inhibitors targeting the Î±D pocket. Chemical Science, 2018, 9, 3041-3049.	7.4	32
46	Bioinspired Total Synthesis of Bussealin E. Organic Letters, 2018, 20, 1597-1599.	4.6	8
47	Stapled peptides as a new technology to investigate proteinâ€“protein interactions in human platelets. Chemical Science, 2018, 9, 4638-4643.	7.4	33
48	Synthesis of structurally diverse biflavonoids. Tetrahedron, 2018, 74, 5089-5101.	1.9	9
49	Studies Towards the Synthesis of the Core of Endiandric Acid H. Chemistry of Natural Compounds, 2018, 54, 289-292.	0.8	6
50	Highly reactive bis-cyclooctyne-modified diarylethene for SPAAC-mediated cross-linking. Organic and Biomolecular Chemistry, 2018, 16, 8559-8564.	2.8	11
51	Synthesis and biological evaluation of 1,2-disubstituted 4-quinolone analogues of Pseudonocardia sp. natural products. Beilstein Journal of Organic Chemistry, 2018, 14, 2680-2688.	2.2	7
52	Recent Applications of Diversity-Oriented Synthesis Toward Novel, 3-Dimensional Fragment Collections. Frontiers in Chemistry, 2018, 6, 460.	3.6	51
53	Using Peptidomimetics and Constrained Peptides as Valuable Tools for Inhibiting Proteinâ€“Protein Interactions. Molecules, 2018, 23, 959.	3.8	68
54	Synthesis of Structurally Diverse Nâ€Substituted Quaternaryâ€Carbonâ€Containing Small Molecules from Î±,Î±â€Disubstituted Propargyl Amino Esters. Chemistry - A European Journal, 2018, 24, 13681-13687.	3.3	24

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55	Novel non-ATP competitive small molecules targeting the CK2 Î±/Î² interface. Bioorganic and Medicinal Chemistry, 2018, 26, 3016-3020.	3.0	35
56	Antiplasmodial and trypanocidal activity of violacein and deoxyviolacein produced from synthetic operons. BMC Biotechnology, 2018, 18, 22.	3.3	32
57	Twoâ€Component Stapling of Biologically Active and Conformationally Constrained Peptides: Past, Present, and Future. Advanced Therapeutics, 2018, 1, 1800052.	3.2	33
58	Semi-syntheses of the 11-hydroxyrotenoids sumatrol and villosinol. Organic and Biomolecular Chemistry, 2018, 16, 6395-6398.	2.8	3
59	Chapter 2. The Application of Diversity-oriented Synthesis in Chemical Biology. Chemical Biology, 2018, , 8-44.	0.2	3
60	Loving the poison: the methylcitrate cycle and bacterial pathogenesis. Microbiology (United Kingdom), 2018, 164, 251-259.	1.8	39
61	Macrocyclized Extended Peptides: Inhibiting the Substrate-Recognition Domain of Tankyrase. Journal of the American Chemical Society, 2017, 139, 2245-2256.	13.7	55
62	Stereocontrolled semi-syntheses of deguelin and tephrosin. Organic and Biomolecular Chemistry, 2017, 15, 1593-1596.	2.8	14
63	Development of Cellâ€Permeable, Nonâ€Helical Constrained Peptides to Target a Key Proteinâ€“Protein Interaction in Ovarian Cancer. Angewandte Chemie, 2017, 129, 539-544.	2.0	6
64	A novel complexity-to-diversity strategy for the diversity-oriented synthesis of structurally diverse and complex macrocycles from quinine. Bioorganic and Medicinal Chemistry, 2017, 25, 2825-2843.	3.0	20
65	Divergent synthesis of biflavonoids yields novel inhibitors of the aggregation of amyloid Î² (1â€“42). Organic and Biomolecular Chemistry, 2017, 15, 4554-4570.	2.8	11
66	A fragment-based approach leading to the discovery of a novel binding site and the selective CK2 inhibitor CAM4066. Bioorganic and Medicinal Chemistry, 2017, 25, 3471-3482.	3.0	48
67	Development of Cellâ€Permeable, Nonâ€Helical Constrained Peptides to Target a Key Proteinâ€“Protein Interaction in Ovarian Cancer. Angewandte Chemie - International Edition, 2017, 56, 524-529.	13.8	41
68	Diversity-oriented synthesis of heterocycles and macrocycles by controlled reactions of oxetanes with Î±-iminocarbenes. Chemical Science, 2017, 8, 5713-5720.	7.4	41
69	Protein modification via alkyne hydrosilylation using a substoichiometric amount of ruthenium(<scp>ii</scp>) catalyst. Chemical Science, 2017, 8, 3871-3878.	7.4	18
70	Complex peptides made simple. Nature Chemistry, 2017, 9, 9-10.	13.6	2
71	Stereocontrolled Semisyntheses of Elliptone and 12aÎ²-Hydroxyelliptone. Journal of Natural Products, 2017, 80, 2751-2755.	3.0	11
72	Identification of new quorum sensing autoinducer binding partners in Pseudomonas aeruginosa using photoaffinity probes. Chemical Science, 2017, 8, 7403-7411.	7.4	24

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73	Computationally-guided optimization of small-molecule inhibitors of the Aurora A kinaseâ€“TPX2 proteinâ€“protein interaction. Chemical Communications, 2017, 53, 9372-9375.	4.1	15
74	Targeting the Genomeâ€Stability Hub Ctf4 by Stapledâ€Peptide Design. Angewandte Chemie - International Edition, 2017, 56, 12866-12872.	13.8	22
75	Targeting the Genomeâ€Stability Hub Ctf4 by Stapledâ€Peptide Design. Angewandte Chemie, 2017, 129, 13046-13052.	2.0	2
76	(Z)-Selective Takai olefination of salicylaldehydes. Beilstein Journal of Organic Chemistry, 2017, 13, 323-328.	2.2	5
77	Structural and Functional Characterization of Malate Synthase G from Opportunistic Pathogen Pseudomonas aeruginosa. Biochemistry, 2017, 56, 5539-5549.	2.5	12
78	Discovery of an inhibitor of the production of the Pseudomonas aeruginosa virulence factor pyocyanin in wild-type cells. Beilstein Journal of Organic Chemistry, 2016, 12, 1428-1433.	2.2	19
79	Combinatorial Synthesis of Structurally Diverse Triazole-Bridged Flavonoid Dimers and Trimers. Molecules, 2016, 21, 1230.	3.8	16
80	The Pseudomonas Quinolone Signal (PQS). Israel Journal of Chemistry, 2016, 56, 282-294.	2.3	18
81	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. Scientific Reports, 2016, 6, 23732.	3.3	28
82	The reductive cleavage of picolinic amides. Tetrahedron Letters, 2016, 57, 2962-2964.	1.4	32
83	Partially Saturated Bicyclic Heteroaromatics as an sp³â€Enriched Fragment Collection. Angewandte Chemie - International Edition, 2016, 55, 12479-12483.	13.8	55
84	Structural and calorimetric studies demonstrate that the hepatocyte nuclear factor 1Î² (HNF1Î²) transcription factor is imported into the nucleus via a monopartite NLS sequence. Journal of Structural Biology, 2016, 195, 273-281.	2.8	4
85	A Multidimensional Diversityâ€Oriented Synthesis Strategy for Structurally Diverse and Complex Macrocycles. Angewandte Chemie - International Edition, 2016, 55, 11139-11143.	13.8	42
86	Specific inhibition of CK2Î± from an anchor outside the active site. Chemical Science, 2016, 7, 6839-6845.	7.4	55
87	A Multidimensional Diversityâ€Oriented Synthesis Strategy for Structurally Diverse and Complex Macrocycles. Angewandte Chemie, 2016, 128, 11305-11309.	2.0	5
88	Development of a Multifunctional Benzophenone Linker for Peptide Stapling and Photoaffinity Labelling. ChemBioChem, 2016, 17, 689-692.	2.6	21
89	The Synthesis of Quinolone Natural Products from Pseudonocardia sp.. European Journal of Organic Chemistry, 2016, 2016, 434-437.	2.4	25
90	Multipleâ€parameter Optimization in Drug Discovery: Example of the 5â€HT1B GPCR. Molecular Informatics, 2016, 35, 599-605.	2.5	4

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91	Partially Saturated Bicyclic Heteroaromatics as an sp³â€Enriched Fragment Collection. Angewandte Chemie, 2016, 128, 12667-12671.	2.0	15
92	Allosteric modulation of AURKA kinase activity by a small-molecule inhibitor of its protein-protein interaction with TPX2. Scientific Reports, 2016, 6, 28528.	3.3	66
93	Divergent Synthesis of Quinolone Natural Products from Pseudonocardia sp. CL38489. European Journal of Organic Chemistry, 2016, 2016, 5799-5802.	2.4	13
94	A new Pseudomonas quinolone signal (PQS) binding partner: MexG. Chemical Science, 2016, 7, 2553-2562.	7.4	38
95	Diversity-Oriented Synthesis of Macrocycle Libraries for Drug Discovery and Chemical Biology. Synthesis, 2016, 48, 1457-1473.	2.3	48
96	Divergent Total Syntheses of Flavonoid Natural Products Isolated from Rosa rugosa and Citrus unshiu. Synlett, 2016, 27, 1725-1727.	1.8	8
97	Concise synthesis of rare pyrido[1,2-a]pyrimidin-2-ones and related nitrogen-rich bicyclic scaffolds with a ring-junction nitrogen. Organic and Biomolecular Chemistry, 2016, 14, 1031-1038.	2.8	16
98	An expedient strategy for the diversity-oriented synthesis of macrocyclic compounds with natural product-like characteristics. Tetrahedron, 2016, 72, 3567-3578.	1.9	21
99	Double Strainâ€Promoted Macrocyclization for the Rapid Selection of Cellâ€Active Stapled Peptides. Angewandte Chemie - International Edition, 2015, 54, 15410-15413.	13.8	101
100	Studies towards the synthesis of indolizin-5(3H)-one derivatives and related 6,5-azabicyclic scaffolds by ring-closing metathesis. Bioorganic and Medicinal Chemistry, 2015, 23, 2666-2679.	3.0	8
101	Divergent and concise total syntheses of dihydrochalcones and 5-deoxyflavones recently isolated from Tacca species and Mimosa diplotricha. Tetrahedron, 2015, 71, 4557-4564.	1.9	21
102	A two-component 'double-click' approach to peptide stapling. Nature Protocols, 2015, 10, 585-594.	12.0	65
103	Overcoming Chemical, Biological, and Computational Challenges in the Development of Inhibitors Targeting Protein-Protein Interactions. Chemistry and Biology, 2015, 22, 689-703.	6.0	130
104	The Application of Ligand-Mapping Molecular Dynamics Simulations to the Rational Design of Peptidic Modulators of Proteinâ€“Protein Interactions. Journal of Chemical Theory and Computation, 2015, 11, 3199-3210.	5.3	28
105	Synthesis of a novel polycyclic ring scaffold with antimitotic properties via a selective domino Heckâ€“Suzuki reaction. Chemical Science, 2015, 6, 390-396.	7.4	19
106	Enantioselective Synthesis of Chromanones via a Peptidic Phosphane Catalyzed Rauhutâ€“Currier Reaction. Organic Letters, 2015, 17, 2462-2465.	4.6	43
107	A diversity-oriented synthesis strategy enabling the combinatorial-type variation of macrocyclic peptidomimetic scaffolds. Organic and Biomolecular Chemistry, 2015, 13, 4570-4580.	2.8	37
108	Which microbial factors really are important in Pseudomonas aeruginosa infections?. Future Microbiology, 2015, 10, 1825-1836.	2.0	37

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109	Peptide stapling techniques based on different macrocyclisation chemistries. Chemical Society Reviews, 2015, 44, 91-102.	38.1	441
110	Linear Aliphatic Dialkynes as Alternative Linkers for Doubleâ€Click Stapling of p53â€Derived Peptides. ChemBioChem, 2014, 15, 2680-2683.	2.6	37
111	Functionalised staple linkages for modulating the cellular activity of stapled peptides. Chemical Science, 2014, 5, 1804-1809.	7.4	165
112	How Diverse Are Diversity Assessment Methods? A Comparative Analysis and Benchmarking of Molecular Descriptor Space. Journal of Chemical Information and Modeling, 2014, 54, 230-242.	5.4	62
113	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. Nature Communications, 2014, 5, 3155.	12.8	73
114	Multifunctional supramolecular polymer networks as next-generation consolidants for archaeological wood conservation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17743-17748.	7.1	50
115	Concise Synthesis of Substituted Quinolizinâ€4â€ones by Ringâ€Closing Metathesis. European Journal of Organic Chemistry, 2014, 2014, 5767-5776.	2.4	19
116	Investigating peptide sequence variations for â€˜double-clickâ€™ stapled p53 peptides. Organic and Biomolecular Chemistry, 2014, 12, 4074-4077.	2.8	49
117	High Content Screening of Diverse Compound Libraries Identifies Potent Modulators of Tubulin Dynamics. ACS Medicinal Chemistry Letters, 2014, 5, 598-603.	2.8	15
118	Toxicity of six plant extracts and two pyridone alkaloids from Ricinus communis against the malaria vector Anopheles gambiae. Parasites and Vectors, 2014, 7, 312.	2.5	48
119	Diversityâ€Oriented Synthesis of Drugâ€Like Macrocyclic Scaffolds Using an Orthogonal Organoâ€and Metal Catalysis Strategy. Angewandte Chemie - International Edition, 2014, 53, 13093-13097.	13.8	54
120	The Use of Chlorobenzene as a Probe Molecule in Molecular Dynamics Simulations. Journal of Chemical Information and Modeling, 2014, 54, 1821-1827.	5.4	34
121	Arene Câ€“H functionalisation using a removable/modifiable or a traceless directing group strategy. Chemical Society Reviews, 2014, 43, 6906-6919.	38.1	582
122	Quantitatively Mapping Cellular Viscosity with Detailed Organelle Information via a Designed PET Fluorescent Probe. Scientific Reports, 2014, 4, 5418.	3.3	109
123	Identification of Key Residues That Confer Rhodobacter sphaeroides LPS Activity at Horse TLR4/MD-2. PLoS ONE, 2014, 9, e98776.	2.5	17
124	A strategy for the diversity-oriented synthesis of macrocyclic scaffolds using multidimensional coupling. Nature Chemistry, 2013, 5, 861-867.	13.6	118
125	Combating Multidrugâ€Resistant Bacteria: Current Strategies for the Discovery of Novel Antibacterials. Angewandte Chemie - International Edition, 2013, 52, 10706-10733.	13.8	355
126	Virulence in <scp>P</scp>ectobacterium atrosepticum is regulated by a coincidence circuit involving quorum sensing and the stress alarmone, (p)pp<scp>G</scp>pp. Molecular Microbiology, 2013, 90, 457-471.	2.5	44

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127	Concise Copper-Catalyzed Synthesis of Tricyclic Biaryl Ether-Linked Aza-Heterocyclic Ring Systems. Organic Letters, 2013, 15, 5448-5451.	4.6	27
128	Surface swarming motility by Pectobacterium atrosepticum is a latent phenotype that requires O antigen and is regulated by quorum sensing. Microbiology (United Kingdom), 2013, 159, 2375-2385.	1.8	24
129	Towards drugging the â€˜undruggableâ€™: enhancing the scaffold diversity of synthetic small molecule screening collections using diversity-oriented synthesis. Diversity Oriented Synthesis, 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. Synthetic Communications, 2013, 43, 1508-1516.	2.1	13
131	A Lysosome-Targetable Fluorescent Probe for Imaging Hydrogen Sulfide in Living Cells. Organic Letters, 2013, 15, 2310-2313.	4.6	279
132	Ligand Binding Kinetics of the Quorum Sensing Regulator PqsR. Biochemistry, 2013, 52, 4433-4438.	2.5	11
133	Dynamic Combinatorial Chemistry with Novel Dithiol Building Blocks: Towards New Structurally Diverse and Adaptive Screening Collections. Synlett, 2013, 24, 765-769.	1.8	5
134	Design and Synthesis of a Biotinylated Chemical Probe for Detecting the Molecular Targets of an Inhibitor of the Production of the Pseudomonas aeruginosa Virulence Factor Pyocyanin. Molecules, 2013, 18, 11783-11796.	3.8	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. Synlett, 2012, 2012, 290-294.	1.8	1
137	Synthesis of Highly Substituted Symmetrical 1,3-Dienes via Organocuprate Oxidation. Synlett, 2012, 2012, 298-300.	1.8	2
138	The effect of humidity on the ozonolysis of unsaturated compounds in aerosol particles. Physical Chemistry Chemical Physics, 2012, 14, 8023.	2.8	31
139	Inhibition of the production of the Pseudomonas aeruginosa virulence factor pyocyanin in wild-type cells by quorum sensing autoinducer-mimics. Organic and Biomolecular Chemistry, 2012, 10, 8452.	2.8	70
140	Synthesis and biological profiling of tellimagrandin I and analogues reveals that the medium ring can significantly modulate biological activity. Organic and Biomolecular Chemistry, 2012, 10, 2590.	2.8	39
141	Two-directional synthesis as a tool for diversity-oriented synthesis: Synthesis of alkaloid scaffolds. Beilstein Journal of Organic Chemistry, 2012, 8, 850-860.	2.2	20
142	Diversity-oriented synthesis: producing chemical tools for dissecting biology. Chemical Society Reviews, 2012, 41, 4444.	38.1	389
143	A two-directional strategy for the diversity-oriented synthesis of macrocyclic scaffolds. Organic and Biomolecular Chemistry, 2012, 10, 7545.	2.8	32
144	Using Ligandâ€Mapping Simulations to Design a Ligand Selectively Targeting a Cryptic Surface Pocket of Poloâ€Like Kinase 1. Angewandte Chemie - International Edition, 2012, 51, 10078-10081.	13.8	71

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145	Design, synthesis and biological evaluation of non-natural modulators of quorum sensing in Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2012, 10, 6032.	2.8	68
146	Coumarin-derived transformable fluorescent sensor for Zn2+. Chemical Communications, 2012, 48, 4764.	4.1	147
147	Applications of small molecule activators and inhibitors of quorum sensing in Gram-negative bacteria. Trends in Microbiology, 2012, 20, 449-458.	7.7	187
148	Microwave-assisted preparation of the quorum-sensing molecule 2-heptyl-3-hydroxy-4(1H)-quinolone and structurally related analogs. Nature Protocols, 2012, 7, 1184-1192.	12.0	20
149	Palladium-catalysed cross-coupling of organosilicon reagents. Chemical Society Reviews, 2012, 41, 1845-1866.	38.1	346
150	Palladiumâ€Catalysed Crossâ€Coupling of Vinyldisiloxanes with Benzylic and Allylic Halides and Sulfonates. Chemistry - A European Journal, 2012, 18, 8774-8779.	3.3	24
151	A Concise Total Synthesis of Deoxyschizandrin and Exploration of Its Antiproliferative Effects and those of Structurally Related Derivatives. Chemistry - A European Journal, 2012, 18, 3193-3198.	3.3	11
152	Vinyldisiloxanes: their synthesis, cross coupling and applications. Organic and Biomolecular Chemistry, 2011, 9, 504-515.	2.8	22
153	Microwave and flow syntheses of Pseudomonasquinolone signal (PQS) and analogues. Organic and Biomolecular Chemistry, 2011, 9, 57-61.	2.8	48
154	Small molecules in biology. Chemical Society Reviews, 2011, 40, 4269.	38.1	25
155	Rational Methods for the Selection of Diverse Screening Compounds. ACS Chemical Biology, 2011, 6, 208-217.	3.4	98
156	Controlling the contents of microdroplets by exploiting the permeability of PDMS. Lab on A Chip, 2011, 11, 1132.	6.0	35
157	Quorum Sensing in Gram-Negative Bacteria: Small-Molecule Modulation of AHL and AI-2 Quorum Sensing Pathways. Chemical Reviews, 2011, 111, 28-67.	47.7	549
158	Chemical genetics. Chemical Society Reviews, 2011, 40, 4332.	38.1	108
159	Importance of relative humidity in the oxidative ageing of organic aerosols: case study of the ozonolysis of maleic acid aerosol. Atmospheric Chemistry and Physics, 2011, 11, 12181-12195.	4.9	40
160	The Serratia LuxR family regulator CarR₃₉₀₀₆ activates transcription independently of cognate quorum sensing signals. Molecular Microbiology, 2011, 80, 1120-1131.	2.5	14
161	A question of library design. Nature, 2011, 470, 42-43.	27.8	104
162	Structure of a Blinkin-BUBR1 Complex Reveals an Interaction Crucial for Kinetochore-Mitotic Checkpoint Regulation via an Unanticipated Binding Site. Structure, 2011, 19, 1691-1700.	3.3	68

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163	Structure of a Blinkin-BUBR1 Complex Reveals an Interaction Crucial for Kinetochore-Mitotic Checkpoint Regulation via an Unanticipated Binding Site. Structure, 2011, 19, 1895.	3.3	0
164	PNA to DNA to Microarray Decoding Facilitates Ligand Discovery. Chemistry and Biology, 2011, 18, 1209-1210.	6.0	2
165	Fluorescent Sensing and Discrimination of ATP and ADP Based on a Unique Sandwich Assembly of Pyreneâ€Adenineâ€Pyrene. Chemistry - an Asian Journal, 2011, 6, 2114-2122.	3.3	55
166	Novel and Efficient Copperâ€Catalysed Synthesis of Nitrogenâ€Linked Mediumâ€Ring Biaryls. Chemistry - A European Journal, 2011, 17, 2981-2986.	3.3	19
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