David R Spring

List of Publications by Year
in descending order

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	Fluorescent chemosensors for Zn2+. Chemical Society Reviews, 2010, 39, 1996.	18.7	910
2	Diversity-oriented synthesis as a tool for the discovery of novel biologically active small molecules. Nature Communications, 2010, 1, 80.	5.8	675
3	Zn²⁺-Triggered Amide Tautomerization Produces a Highly Zn²⁺-Selective, Cell-Permeable, and Ratiometric Fluorescent Sensor. Journal of the American Chemical Society, 2010, 132, 601-610.	6.6	660
4	Arene Câ€“H functionalisation using a removable/modifiable or a traceless directing group strategy. Chemical Society Reviews, 2014, 43, 6906-6919.	18.7	582
5	Quorum Sensing in Gram-Negative Bacteria: Small-Molecule Modulation of AHL and AI-2 Quorum Sensing Pathways. Chemical Reviews, 2011, 111, 28-67.	23.0	549
6	Peptide stapling techniques based on different macrocyclisation chemistries. Chemical Society Reviews, 2015, 44, 91-102.	18.7	441
7	Diversity-oriented synthesis: producing chemical tools for dissecting biology. Chemical Society Reviews, 2012, 41, 4444.	18.7	389
8	Combating Multidrugâ€Resistant Bacteria: Current Strategies for the Discovery of Novel Antibacterials. Angewandte Chemie - International Edition, 2013, 52, 10706-10733.	7.2	355
9	Palladium-catalysed cross-coupling of organosilicon reagents. Chemical Society Reviews, 2012, 41, 1845-1866.	18.7	346
10	Diversity-oriented synthesis; a challenge for synthetic chemistsElectronic supplementary information (ESI) available: Excel file of all the FDA new molecular entities between the years 1998 and July 2003, and new drug approvals between the years 1990 and 2002. See http://www.rsc.org/suppdata/ob/b3/b310752n/. Organic and Biomolecular Chemistry, 2003, 1, 3867.	1.5	322
11	Cleavable linkers in antibodyâ€“drug conjugates. Chemical Society Reviews, 2019, 48, 4361-4374.	18.7	316
12	The molecular basis of the host response to lipopolysaccharide. Nature Reviews Microbiology, 2010, 8, 8-14.	13.6	303
13	A Lysosome-Targetable Fluorescent Probe for Imaging Hydrogen Sulfide in Living Cells. Organic Letters, 2013, 15, 2310-2313.	2.4	279
14	Diversity-oriented synthesis; a spectrum of approaches and results. Organic and Biomolecular Chemistry, 2008, 6, 1149.	1.5	269
15	Chemical genetics to chemical genomics: small molecules offer big insights. Chemical Society Reviews, 2005, 34, 472.	18.7	256
16	Finding new components of the target of rapamycin (TOR) signaling network through chemical genetics and proteome chips. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16594-16599.	3.3	225
17	Site-selective modification strategies in antibodyâ€“drug conjugates. Chemical Society Reviews, 2021, 50, 1305-1353.	18.7	207
18	A selective and ratiometric Cu2+ fluorescent probe based on naphthalimide excimerâ€“monomer switching. Chemical Communications, 2010, 46, 2563.	2.2	203

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19	Applications of small molecule activators and inhibitors of quorum sensing in Gram-negative bacteria. Trends in Microbiology, 2012, 20, 449-458.	3.5	187
20	The multifaceted nature of antimicrobial peptides: current synthetic chemistry approaches and future directions. Chemical Society Reviews, 2021, 50, 7820-7880.	18.7	187
21	Peptides as a platform for targeted therapeutics for cancer: peptideâ€“drug conjugates (PDCs). Chemical Society Reviews, 2021, 50, 1480-1494.	18.7	183
22	Ratiometric fluorescent and colorimetric sensors for Cu2+ based on 4,5-disubstituted-1,8-naphthalimide and sensing cyanide via Cu2+ displacement approach. Tetrahedron, 2010, 66, 1678-1683.	1.0	171
23	Diversity-Oriented Synthesis of Biaryl-Containing Medium Rings Using a One Bead/One Stock Solution Platform. Journal of the American Chemical Society, 2002, 124, 1354-1363.	6.6	168
24	Functionalised staple linkages for modulating the cellular activity of stapled peptides. Chemical Science, 2014, 5, 1804-1809.	3.7	165
25	Inductionâ€Driven Stabilization of the Anionâ€“Ï€ Interaction in Electronâ€Rich Aromatics as the Key to Fluoride Inclusion in Imidazoliumâ€Cage Receptors. Chemistry - A European Journal, 2011, 17, 1163-1170.	1.7	157
26	Coumarin-derived transformable fluorescent sensor for Zn2+. Chemical Communications, 2012, 48, 4764.	2.2	147
27	Development of offâ€“on fluorescent probes for heavy and transition metal ions. Chemical Communications, 2010, 46, 1679.	2.2	134
28	Overcoming Chemical, Biological, and Computational Challenges in the Development of Inhibitors Targeting Protein-Protein Interactions. Chemistry and Biology, 2015, 22, 689-703.	6.2	130
29	Strategies for the Diversity-Oriented Synthesis of Macrocycles. Chemical Reviews, 2019, 119, 10288-10317.	23.0	129
30	Antiâ€MRSA Agent Discovery Using Diversityâ€Oriented Synthesis. Angewandte Chemie - International Edition, 2008, 47, 2808-2812.	7.2	122
31	A strategy for the diversity-oriented synthesis of macrocyclic scaffolds using multidimensional coupling. Nature Chemistry, 2013, 5, 861-867.	6.6	118
32	The discovery of antibacterial agents using diversity-oriented synthesis. Chemical Communications, 2009, , 2446.	2.2	110
33	Quantitatively Mapping Cellular Viscosity with Detailed Organelle Information via a Designed PET Fluorescent Probe. Scientific Reports, 2014, 4, 5418.	1.6	109
34	Chemical genetics. Chemical Society Reviews, 2011, 40, 4332.	18.7	108
35	A question of library design. Nature, 2011, 470, 42-43.	13.7	104
36	Diversity-oriented synthesis of macrocyclic peptidomimetics. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6793-6798.	3.3	104

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37	A one-bead, one-stock solution approach to chemical genetics: part 2. Chemistry and Biology, 2001, 8, 1183-1195.	6.2	101
38	Double Strainâ€Promoted Macrocyclization for the Rapid Selection of Cellâ€Active Stapled Peptides. Angewandte Chemie - International Edition, 2015, 54, 15410-15413.	7.2	101
39	Rational Methods for the Selection of Diverse Screening Compounds. ACS Chemical Biology, 2011, 6, 208-217.	1.6	98
40	Studies on the Biomimetic Synthesis of the Manzamine Alkaloids. Chemistry - A European Journal, 1999, 5, 3154-3161.	1.7	94
41	Photocatalytic methods for amino acid modification. Chemical Society Reviews, 2021, 50, 39-57.	18.7	93
42	Skeletal diversity construction via a branching synthetic strategy. Chemical Communications, 2006, , 3296.	2.2	92
43	Communications blackout? Do N-acylhomoserine-lactone-degrading enzymes have any role in quorum sensing?. Microbiology (United Kingdom), 2004, 150, 2023-2028.	0.7	91
44	Towards Diversity-Oriented, Stereoselective Syntheses of Biaryl- or Bis(aryl)metal-Containing Medium Rings. Journal of the American Chemical Society, 2000, 122, 5656-5657.	6.6	85
45	Synthesis and stability of small molecule probes for Pseudomonas aeruginosa quorum sensing modulation. Organic and Biomolecular Chemistry, 2004, 2, 3329.	1.5	85
46	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.	3.7	85
47	Diversityâ€oriented synthesis. Chemical Record, 2008, 8, 129-142.	2.9	82
48	Metabolic and regulatory engineering of Serratia marcescens: mimicking phage-mediated horizontal acquisition of antibiotic biosynthesis and quorum-sensing capacities. Microbiology (United Kingdom), 2006, 152, 1899-1911.	0.7	79
49	Variations on a Theme: Diverse N-Acyl Homoserine Lactone-Mediated Quorum Sensing Mechanisms in Gram-Negative Bacteria. Science Progress, 2006, 89, 167-211.	1.0	74
50	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. Nature Communications, 2014, 5, 3155.	5.8	73
51	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.	7.2	71
52	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.	1.5	70
53	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.	1.6	68
54	Design, synthesis and biological evaluation of non-natural modulators of quorum sensing in Pseudomonas aeruginosa. Organic and Biomolecular Chemistry, 2012, 10, 6032.	1.5	68

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55	Using Peptidomimetics and Constrained Peptides as Valuable Tools for Inhibiting Proteinâ€“Protein Interactions. Molecules, 2018, 23, 959.	1.7	68
56	Allosteric modulation of AURKA kinase activity by a small-molecule inhibitor of its protein-protein interaction with TPX2. Scientific Reports, 2016, 6, 28528.	1.6	66
57	A two-component 'double-click' approach to peptide stapling. Nature Protocols, 2015, 10, 585-594.	5.5	65
58	Synthesis of Medium-Ring and Iodinated Biaryl Compounds by Organocuprate Oxidation. Angewandte Chemie - International Edition, 2005, 44, 1870-1873.	7.2	64
59	The oxidation of organocupratesâ€”an offbeat strategy for synthesis. Chemical Society Reviews, 2006, 35, 218-225.	18.7	64
60	Assessment of structural diversity in combinatorial synthesis. Current Opinion in Chemical Biology, 2005, 9, 304-309.	2.8	62
61	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.	2.5	62
62	Exploiting domino enyne metathesis mechanisms for skeletal diversity generation. Chemical Communications, 2008, , 3001.	2.2	58
63	Discovery of a highly selective turn-on fluorescent probe for Ag+. Analyst, The, 2010, 135, 2554.	1.7	58
64	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.	1.7	55
65	A quorum-sensing molecule acts as a morphogen controlling gas vesicle organelle biogenesis and adaptive flotation in an enterobacterium. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14932-14937.	3.3	55
66	Partially Saturated Bicyclic Heteroaromatics as an sp³â€Enriched Fragment Collection. Angewandte Chemie - International Edition, 2016, 55, 12479-12483.	7.2	55
67	Specific inhibition of CK2Î± from an anchor outside the active site. Chemical Science, 2016, 7, 6839-6845.	3.7	55
68	Macrocyclized Extended Peptides: Inhibiting the Substrate-Recognition Domain of Tankyrase. Journal of the American Chemical Society, 2017, 139, 2245-2256.	6.6	55
69	Diversityâ€Oriented Synthesis of Drugâ€Like Macrocyclic Scaffolds Using an Orthogonal Organoâ€and Metal Catalysis Strategy. Angewandte Chemie - International Edition, 2014, 53, 13093-13097.	7.2	54
70	Total Synthesis of Sanguiin H-5. Organic Letters, 2008, 10, 2593-2596.	2.4	53
71	Fluorous tagged small molecule microarrays. Chemical Communications, 2007, , 3906.	2.2	52
72	Recent Applications of Diversity-Oriented Synthesis Toward Novel, 3-Dimensional Fragment Collections. Frontiers in Chemistry, 2018, 6, 460.	1.8	51

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73	Identification of an anti-MRSA dihydrofolate reductase inhibitor from a diversity-oriented synthesis. Chemical Communications, 2008, , 4962.	2.2	50
74	Synthesis of Unprecedented Scaffold Diversity. Angewandte Chemie - International Edition, 2009, 48, 1194-1196.	7.2	50
75	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.	3.3	50
76	Investigating peptide sequence variations for â€˜double-clickâ€™ stapled p53 peptides. Organic and Biomolecular Chemistry, 2014, 12, 4074-4077.	1.5	49
77	Microwave and flow syntheses of Pseudomonasquinolone signal (PQS) and analogues. Organic and Biomolecular Chemistry, 2011, 9, 57-61.	1.5	48
78	Toxicity of six plant extracts and two pyridone alkaloids from Ricinus communis against the malaria vector Anopheles gambiae. Parasites and Vectors, 2014, 7, 312.	1.0	48
79	Diversity-Oriented Synthesis of Macrocycle Libraries for Drug Discovery and Chemical Biology. Synthesis, 2016, 48, 1457-1473.	1.2	48
80	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.	1.4	48
81	Cellâ€“cell communication in Gram-negative bacteria. Molecular BioSystems, 2005, 1, 196-202.	2.9	47
82	Structure-Activity Analysis of the Pseudomonas Quinolone Signal Molecule. Journal of Bacteriology, 2010, 192, 3833-3837.	1.0	47
83	Synthesis and utilization of functionalized polystyrene resins. Tetrahedron, 2005, 61, 12153-12159.	1.0	45
84	Is synthesis the main hurdle for the generation of diversity in compound libraries for screening?. Expert Opinion on Drug Discovery, 2009, 4, 467-472.	2.5	45
85	Small-Molecule Screening: Advances in Microarraying and Cell-Imaging Technologies. ACS Chemical Biology, 2007, 2, 24-30.	1.6	44
86	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.	1.2	44
87	Enantioselective Synthesis of Chromanones via a Peptidic Phosphane Catalyzed Rauhutâ€“Currier Reaction. Organic Letters, 2015, 17, 2462-2465.	2.4	43
88	Diversity-oriented synthesis of bicyclic and tricyclic alkaloids. Chemical Communications, 2010, 46, 776-778.	2.2	42
89	A Multidimensional Diversityâ€Oriented Synthesis Strategy for Structurally Diverse and Complex Macrocycles. Angewandte Chemie - International Edition, 2016, 55, 11139-11143.	7.2	42
90	Diversity-Oriented Synthesis of Disubstituted Alkenes Using Masked Silanols. Organic Letters, 2010, 12, 2806-2809.	2.4	41

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91	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.	7.2	41
92	Diversity-oriented synthesis of heterocycles and macrocycles by controlled reactions of oxetanes with Î±-iminocarbenes. Chemical Science, 2017, 8, 5713-5720.	3.7	41
93	Arylâ€“aryl coupling via directed lithiation and oxidation. Chemical Communications, 2005, , 2589.	2.2	40
94	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.	1.9	40
95	Sulfatase-cleavable linkers for antibody-drug conjugates. Chemical Science, 2020, 11, 2375-2380.	3.7	40
96	Towards quorum-quenching catalytic antibodies. Chemical Communications, 2009, , 538-540.	2.2	39
97	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.	1.5	39
98	Loving the poison: the methylcitrate cycle and bacterial pathogenesis. Microbiology (United Kingdom), 2018, 164, 251-259.	0.7	39
99	Immunomodulatory effects of Pseudomonas aeruginosa quorum sensing small molecule probes on mammalian macrophages. Molecular BioSystems, 2006, 2, 132-137.	2.9	38
100	A new Pseudomonas quinolone signal (PQS) binding partner: MexG. Chemical Science, 2016, 7, 2553-2562.	3.7	38
101	Structureâ€“activity relationships of Erwinia carotovora quorum sensing signaling molecules. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4235-4238.	1.0	37
102	Linear Aliphatic Dialkynes as Alternative Linkers for Doubleâ€Click Stapling of p53â€Derived Peptides. ChemBioChem, 2014, 15, 2680-2683.	1.3	37
103	A diversity-oriented synthesis strategy enabling the combinatorial-type variation of macrocyclic peptidomimetic scaffolds. Organic and Biomolecular Chemistry, 2015, 13, 4570-4580.	1.5	37
104	Which microbial factors really are important in Pseudomonas aeruginosa infections?. Future Microbiology, 2015, 10, 1825-1836.	1.0	37
105	Controlling the contents of microdroplets by exploiting the permeability of PDMS. Lab on A Chip, 2011, 11, 1132.	3.1	35
106	Novel non-ATP competitive small molecules targeting the CK2 Î±/Î² interface. Bioorganic and Medicinal Chemistry, 2018, 26, 3016-3020.	1.4	35
107	Spirocycles as Rigidified sp³-Rich Scaffolds for a Fragment Collection. Organic Letters, 2019, 21, 4600-4604.	2.4	35
108	An approach to the manzamine alkaloids modelled on a biogenetic theory. Tetrahedron, 1997, 53, 2271-2290.	1.0	34

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109	2-Heptyl-4-Quinolone, a Precursor of the Pseudomonas Quinolone Signal Molecule, Modulates Swarming Motility in Pseudomonas aeruginosa. Journal of Bacteriology, 2011, 193, 6770-6780.	1.0	34
110	The Use of Chlorobenzene as a Probe Molecule in Molecular Dynamics Simulations. Journal of Chemical Information and Modeling, 2014, 54, 1821-1827.	2.5	34
111	Fluoride-free cross coupling using vinyldisiloxanes. Organic and Biomolecular Chemistry, 2009, 7, 1068.	1.5	33
112	Stapled peptides as a new technology to investigate proteinâ€“protein interactions in human platelets. Chemical Science, 2018, 9, 4638-4643.	3.7	33
113	Twoâ€Component Stapling of Biologically Active and Conformationally Constrained Peptides: Past, Present, and Future. Advanced Therapeutics, 2018, 1, 1800052.	1.6	33
114	Learning the Language of Bacteria. ACS Chemical Biology, 2007, 2, 715-717.	1.6	32
115	A two-directional strategy for the diversity-oriented synthesis of macrocyclic scaffolds. Organic and Biomolecular Chemistry, 2012, 10, 7545.	1.5	32
116	The reductive cleavage of picolinic amides. Tetrahedron Letters, 2016, 57, 2962-2964.	0.7	32
117	Second-generation CK2Î± inhibitors targeting the Î±D pocket. Chemical Science, 2018, 9, 3041-3049.	3.7	32
118	Antiplasmodial and trypanocidal activity of violacein and deoxyviolacein produced from synthetic operons. BMC Biotechnology, 2018, 18, 22.	1.7	32
119	Gemmacin B: bringing diversity back into focus. Organic and Biomolecular Chemistry, 2008, 6, 2978.	1.5	31
120	The effect of humidity on the ozonolysis of unsaturated compounds in aerosol particles. Physical Chemistry Chemical Physics, 2012, 14, 8023.	1.3	31
121	Robust routes for the synthesis of N-acylated-l-homoserine lactone (AHL) quorum sensing molecules with high levels of enantiomeric purity. Tetrahedron Letters, 2011, 52, 3291-3294.	0.7	30
122	Efficient synthesis of the sponge alkaloids cyclostellettamines A-F. Tetrahedron, 1998, 54, 13655-13680.	1.0	28
123	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.	2.3	28
124	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. Scientific Reports, 2016, 6, 23732.	1.6	28
125	Toolbox of Diverse Linkers for Navigating the Cellular Efficacy Landscape of Stapled Peptides. ACS Chemical Biology, 2019, 14, 526-533.	1.6	28
126	Fsp3-rich and diverse fragments inspired by natural products as a collection to enhance fragment-based drug discovery. Chemical Communications, 2020, 56, 2280-2283.	2.2	28

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127	Complete functionalisation of small and large diameter bromopolystyrene beads; applications for solid-supported reagents, scavengers and diversity-oriented synthesisElectronic supplementary information (ESI) available: experimental techniques, apparatus, characterisation and spectroscopic data. See http://www.rsc.org/suppdata/ob/b4/b406488g/. Organic and Biomolecular Chemistry, 2004, 2, 1679.	1.5	27
128	Copper catalyzed oxidation of organozinc halides. Chemical Communications, 2006, , 3883.	2.2	27
129	Concise Copper-Catalyzed Synthesis of Tricyclic Biaryl Ether-Linked Aza-Heterocyclic Ring Systems. Organic Letters, 2013, 15, 5448-5451.	2.4	27
130	Efficient development of stable and highly functionalised peptides targeting the CK2Î±/CK2Î² proteinâ€“protein interaction. Chemical Science, 2019, 10, 5056-5063.	3.7	27
131	3D small-molecule microarrays. Chemical Communications, 2009, , 7107.	2.2	26
132	Cycloaddition Strategies for the Synthesis of Diverse Heterocyclic Spirocycles for Fragmentâ€Based Drug Discovery. European Journal of Organic Chemistry, 2019, 2019, 5219-5229.	1.2	26
133	Engineering of new prodigiosinâ€based biosensors of Serratia for facile detection of shortâ€chain Nâ€acyl homoserine lactone quorumâ€sensing molecules. Environmental Microbiology Reports, 2010, 2, 322-328.	1.0	25
134	Small molecules in biology. Chemical Society Reviews, 2011, 40, 4269.	18.7	25
135	The Synthesis of Quinolone Natural Products from Pseudonocardia sp.. European Journal of Organic Chemistry, 2016, 2016, 434-437.	1.2	25
136	Palladiumâ€Catalysed Crossâ€Coupling of Vinyldisiloxanes with Benzylic and Allylic Halides and Sulfonates. Chemistry - A European Journal, 2012, 18, 8774-8779.	1.7	24
137	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.	0.7	24
138	Identification of new quorum sensing autoinducer binding partners in Pseudomonas aeruginosa using photoaffinity probes. Chemical Science, 2017, 8, 7403-7411.	3.7	24
139	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.	1.7	24
140	Discovery of a quorum sensing modulator pharmacophore by 3D small-molecule microarray screening. Organic and Biomolecular Chemistry, 2010, 8, 5313.	1.5	23
141	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. Chemical Communications, 2019, 55, 7914-7917.	2.2	23
142	Vinyldisiloxanes: their synthesis, cross coupling and applications. Organic and Biomolecular Chemistry, 2011, 9, 504-515.	1.5	22
143	Targeting the Genomeâ€Stability Hub Ctf4 by Stapledâ€Peptide Design. Angewandte Chemie - International Edition, 2017, 56, 12866-12872.	7.2	22
144	Divergent and concise total syntheses of dihydrochalcones and 5-deoxyflavones recently isolated from Tacca species and Mimosa diplotricha. Tetrahedron, 2015, 71, 4557-4564.	1.0	21

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145	Development of a Multifunctional Benzophenone Linker for Peptide Stapling and Photoaffinity Labelling. ChemBioChem, 2016, 17, 689-692.	1.3	21
146	An expedient strategy for the diversity-oriented synthesis of macrocyclic compounds with natural product-like characteristics. Tetrahedron, 2016, 72, 3567-3578.	1.0	21
147	Two-directional synthesis as a tool for diversity-oriented synthesis: Synthesis of alkaloid scaffolds. Beilstein Journal of Organic Chemistry, 2012, 8, 850-860.	1.3	20
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.	5.5	20
149	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.	1.4	20
150	Macrocyclisation and functionalisation of unprotected peptides via divinyltriazine cysteine stapling. Chemical Communications, 2019, 55, 9499-9502.	2.2	20
151	The role of chemical synthesis in developing RiPP antibiotics. Chemical Society Reviews, 2021, 50, 4245-4258.	18.7	20
152	A novel Diels-Alder approach to hydroisoquinolines. Tetrahedron Letters, 1998, 39, 5417-5420.	0.7	19
153	Novel and Efficient Copperâ€Catalysed Synthesis of Nitrogenâ€Linked Mediumâ€Ring Biaryls. Chemistry - A European Journal, 2011, 17, 2981-2986.	1.7	19
154	Concise Synthesis of Substituted Quinolizinâ€4â€ones by Ringâ€Closing Metathesis. European Journal of Organic Chemistry, 2014, 2014, 5767-5776.	1.2	19
155	Synthesis of a novel polycyclic ring scaffold with antimitotic properties via a selective domino Heckâ€“Suzuki reaction. Chemical Science, 2015, 6, 390-396.	3.7	19
156	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.	1.3	19
157	General dual functionalisation of biomacromolecules via a cysteine bridging strategy. Organic and Biomolecular Chemistry, 2020, 18, 4224-4230.	1.5	19
158	Chemical probes targeting the kinase CK2: a journey outside the catalytic box. Organic and Biomolecular Chemistry, 2021, 19, 4380-4396.	1.5	19
159	Chemogenomics Approaches for Receptor Deorphanization and Extensions of the Chemogenomics Concept to Phenotypic Space. Current Topics in Medicinal Chemistry, 2011, 11, 1964-1977.	1.0	18
160	The Pseudomonas Quinolone Signal (PQS). Israel Journal of Chemistry, 2016, 56, 282-294.	1.0	18
161	Protein modification via alkyne hydrosilylation using a substoichiometric amount of ruthenium(<scp>ii</scp>) catalyst. Chemical Science, 2017, 8, 3871-3878.	3.7	18
162	Enriching chemical space with diversity-oriented synthesis. Current Opinion in Drug Discovery & Development, 2006, 9, 700-12.	1.9	18

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163	Using chemical probes to investigate the sub-inhibitory effects of azithromycin. Organic and Biomolecular Chemistry, 2008, 6, 4120.	1.5	17
164	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.	1.6	17
165	Efficient and selective antibody modification with functionalised divinyltriazines. Organic and Biomolecular Chemistry, 2020, 18, 4739-4743.	1.5	17
166	Identification of Key Residues That Confer Rhodobacter sphaeroides LPS Activity at Horse TLR4/MD-2. PLoS ONE, 2014, 9, e98776.	1.1	17
167	Arylâ€“Aryl Bond Formation by the Fluorideâ€Free Crossâ€Coupling of Aryldisiloxanes with Aryl Bromides. Chemistry - A European Journal, 2011, 17, 13230-13239.	1.7	16
168	Combinatorial Synthesis of Structurally Diverse Triazole-Bridged Flavonoid Dimers and Trimers. Molecules, 2016, 21, 1230.	1.7	16
169	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.	1.5	16
170	Downfalls of Chemical Probes Acting at the Kinase ATP-Site: CK2 as a Case Study. Molecules, 2021, 26, 1977.	1.7	16
171	A dual-enzyme cleavable linker for antibodyâ€“drug conjugates. Chemical Communications, 2021, 57, 3457-3460.	2.2	16
172	2-Methoxycyclopentyl analogues of a Pseudomonas aeruginosa quorum sensing modulator. Molecular BioSystems, 2008, 4, 505.	2.9	15
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