

# David R Spring

## List of Publications by Year in descending order

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249  
papers

16,084  
citations

22153

59  
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19749

117  
g-index

310  
all docs

310  
docs citations

310  
times ranked

16988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent chemosensors for Zn <sup>2+</sup> . <i>Chemical Society Reviews</i> , 2010, 39, 1996.	38.1	910
2	Diversity-oriented synthesis as a tool for the discovery of novel biologically active small molecules. <i>Nature Communications</i> , 2010, 1, 80.	12.8	675
3	Zn <sup>2+</sup> -Triggered Amide Tautomerization Produces a Highly Zn <sup>2+</sup> -Selective, Cell-Permeable, and Ratiometric Fluorescent Sensor. <i>Journal of the American Chemical Society</i> , 2010, 132, 601-610.	13.7	660
4	Arene C-H functionalisation using a removable/modifiable or a traceless directing group strategy. <i>Chemical Society Reviews</i> , 2014, 43, 6906-6919.	38.1	582
5	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.	47.7	549
6	Peptide stapling techniques based on different macrocyclisation chemistries. <i>Chemical Society Reviews</i> , 2015, 44, 91-102.	38.1	441
7	Diversity-oriented synthesis: producing chemical tools for dissecting biology. <i>Chemical Society Reviews</i> , 2012, 41, 4444.	38.1	389
8	Combating Multidrug-Resistant Bacteria: Current Strategies for the Discovery of Novel Antibacterials. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10706-10733.	13.8	355
9	Palladium-catalysed cross-coupling of organosilicon reagents. <i>Chemical Society Reviews</i> , 2012, 41, 1845-1866.	38.1	346
10	Diversity-oriented synthesis; a challenge for synthetic chemists Electronic 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 <a href="http://www.rsc.org/suppdata/ob/b3/b310752n/">http://www.rsc.org/suppdata/ob/b3/b310752n/</a> . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3867.	2.8	322
11	Cleavable linkers in antibody-drug conjugates. <i>Chemical Society Reviews</i> , 2019, 48, 4361-4374.	38.1	316
12	The molecular basis of the host response to lipopolysaccharide. <i>Nature Reviews Microbiology</i> , 2010, 8, 8-14.	28.6	303
13	A Lysosome-Targetable Fluorescent Probe for Imaging Hydrogen Sulfide in Living Cells. <i>Organic Letters</i> , 2013, 15, 2310-2313.	4.6	279
14	Diversity-oriented synthesis; a spectrum of approaches and results. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1149.	2.8	269
15	Chemical genetics to chemical genomics: small molecules offer big insights. <i>Chemical Society Reviews</i> , 2005, 34, 472.	38.1	256
16	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, 16594-16599.	7.1	225
17	Site-selective modification strategies in antibody-drug conjugates. <i>Chemical Society Reviews</i> , 2021, 50, 1305-1353.	38.1	207
18	A selective and ratiometric Cu <sup>2+</sup> fluorescent probe based on naphthalimide excimer monomer switching. <i>Chemical Communications</i> , 2010, 46, 2563.	4.1	203

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19	Applications of small molecule activators and inhibitors of quorum sensing in Gram-negative bacteria. <i>Trends in Microbiology</i> , 2012, 20, 449-458.	7.7	187
20	The multifaceted nature of antimicrobial peptides: current synthetic chemistry approaches and future directions. <i>Chemical Society Reviews</i> , 2021, 50, 7820-7880.	38.1	187
21	Peptides as a platform for targeted therapeutics for cancer: peptide-drug conjugates (PDCs). <i>Chemical Society Reviews</i> , 2021, 50, 1480-1494.	38.1	183
22	Ratiometric fluorescent and colorimetric sensors for Cu <sup>2+</sup> based on 4,5-disubstituted-1,8-naphthalimide and sensing cyanide via Cu <sup>2+</sup> displacement approach. <i>Tetrahedron</i> , 2010, 66, 1678-1683.	1.9	171
23	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, 1354-1363.	13.7	168
24	Functionalised staple linkages for modulating the cellular activity of stapled peptides. <i>Chemical Science</i> , 2014, 5, 1804-1809.	7.4	165
25	Induction-Driven Stabilization of the Anion-Interaction in Electron-Rich Aromatics as the Key to Fluoride Inclusion in Imidazolium-Cage Receptors. <i>Chemistry - A European Journal</i> , 2011, 17, 1163-1170.	3.3	157
26	Coumarin-derived transformable fluorescent sensor for Zn <sup>2+</sup> . <i>Chemical Communications</i> , 2012, 48, 4764.	4.1	147
27	Development of off-on fluorescent probes for heavy and transition metal ions. <i>Chemical Communications</i> , 2010, 46, 1679.	4.1	134
28	Overcoming Chemical, Biological, and Computational Challenges in the Development of Inhibitors Targeting Protein-Protein Interactions. <i>Chemistry and Biology</i> , 2015, 22, 689-703.	6.0	130
29	Strategies for the Diversity-Oriented Synthesis of Macrocycles. <i>Chemical Reviews</i> , 2019, 119, 10288-10317.	47.7	129
30	Anti-MRSA Agent Discovery Using Diversity-Oriented Synthesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2808-2812.	13.8	122
31	A strategy for the diversity-oriented synthesis of macrocyclic scaffolds using multidimensional coupling. <i>Nature Chemistry</i> , 2013, 5, 861-867.	13.6	118
32	The discovery of antibacterial agents using diversity-oriented synthesis. <i>Chemical Communications</i> , 2009, , 2446.	4.1	110
33	Quantitatively Mapping Cellular Viscosity with Detailed Organelle Information via a Designed PET Fluorescent Probe. <i>Scientific Reports</i> , 2014, 4, 5418.	3.3	109
34	Chemical genetics. <i>Chemical Society Reviews</i> , 2011, 40, 4332.	38.1	108
35	A question of library design. <i>Nature</i> , 2011, 470, 42-43.	27.8	104
36	Diversity-oriented synthesis of macrocyclic peptidomimetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6793-6798.	7.1	104

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37	A one-bead, one-stock solution approach to chemical genetics: part 2. <i>Chemistry and Biology</i> , 2001, 8, 1183-1195.	6.0	101
38	Double Strainâ€Promoted Macrocyclization for the Rapid Selection of Cellâ€Active Stapled Peptides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15410-15413.	13.8	101
39	Rational Methods for the Selection of Diverse Screening Compounds. <i>ACS Chemical Biology</i> , 2011, 6, 208-217.	3.4	98
40	Studies on the Biomimetic Synthesis of the Manzamine Alkaloids. <i>Chemistry - A European Journal</i> , 1999, 5, 3154-3161.	3.3	94
41	Photocatalytic methods for amino acid modification. <i>Chemical Society Reviews</i> , 2021, 50, 39-57.	38.1	93
42	Skeletal diversity construction via a branching synthetic strategy. <i>Chemical Communications</i> , 2006, , 3296.	4.1	92
43	Communications blackout? Do N-acylhomoserine-lactone-degrading enzymes have any role in quorum sensing?. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2023-2028.	1.8	91
44	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.	13.7	85
45	Synthesis and stability of small molecule probes for <i>Pseudomonas aeruginosa</i> quorum sensing modulation. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 3329.	2.8	85
46	A general approach for the site-selective modification of native proteins, enabling the generation of stable and functional antibodyâ€drug conjugates. <i>Chemical Science</i> , 2019, 10, 694-700.	7.4	85
47	Diversityâ€oriented synthesis. <i>Chemical Record</i> , 2008, 8, 129-142.	5.8	82
48	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.	1.8	79
49	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.	1.9	74
50	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. <i>Nature Communications</i> , 2014, 5, 3155.	12.8	73
51	Using Ligandâ€Mapping Simulations to Design a Ligand Selectively Targeting a Cryptic Surface Pocket of Poloâ€Like Kinase 1. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10078-10081.	13.8	71
52	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.	2.8	70
53	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, 1691-1700.	3.3	68
54	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.	2.8	68

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55	Using Peptidomimetics and Constrained Peptides as Valuable Tools for Inhibiting Protein-Protein Interactions. <i>Molecules</i> , 2018, 23, 959.	3.8	68
56	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.	3.3	66
57	A two-component 'double-click' approach to peptide stapling. <i>Nature Protocols</i> , 2015, 10, 585-594.	12.0	65
58	Synthesis of Medium-Ring and Iodinated Biaryl Compounds by Organocuprate Oxidation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1870-1873.	13.8	64
59	The oxidation of organocuprates—an offbeat strategy for synthesis. <i>Chemical Society Reviews</i> , 2006, 35, 218-225.	38.1	64
60	Assessment of structural diversity in combinatorial synthesis. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 304-309.	6.1	62
61	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.	5.4	62
62	Exploiting domino enyne metathesis mechanisms for skeletal diversity generation. <i>Chemical Communications</i> , 2008, , 3001.	4.1	58
63	Discovery of a highly selective turn-on fluorescent probe for Ag <sup>+</sup> . <i>Analyst</i> , 2010, 135, 2554.	3.5	58
64	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, 2114-2122.	3.3	55
65	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, 14932-14937.	7.1	55
66	Partially Saturated Bicyclic Heteroaromatics as an sp <sup>3</sup> -Enriched Fragment Collection. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12479-12483.	13.8	55
67	Specific inhibition of CK2 $\beta$ from an anchor outside the active site. <i>Chemical Science</i> , 2016, 7, 6839-6845.	7.4	55
68	Macrocyclized Extended Peptides: Inhibiting the Substrate-Recognition Domain of Tankyrase. <i>Journal of the American Chemical Society</i> , 2017, 139, 2245-2256.	13.7	55
69	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.	13.8	54
70	Total Synthesis of Sanguin H-5. <i>Organic Letters</i> , 2008, 10, 2593-2596.	4.6	53
71	Fluorous tagged small molecule microarrays. <i>Chemical Communications</i> , 2007, , 3906.	4.1	52
72	Recent Applications of Diversity-Oriented Synthesis Toward Novel, 3-Dimensional Fragment Collections. <i>Frontiers in Chemistry</i> , 2018, 6, 460.	3.6	51

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73	Identification of an anti-MRSA dihydrofolate reductase inhibitor from a diversity-oriented synthesis. <i>Chemical Communications</i> , 2008, , 4962.	4.1	50
74	Synthesis of Unprecedented Scaffold Diversity. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1194-1196.	13.8	50
75	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.	7.1	50
76	Investigating peptide sequence variations for "double-click"™ stapled p53 peptides. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4074-4077.	2.8	49
77	Microwave and flow syntheses of Pseudomonasquinolone signal (PQS) and analogues. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 57-61.	2.8	48
78	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.	2.5	48
79	Diversity-Oriented Synthesis of Macrocyclic Libraries for Drug Discovery and Chemical Biology. <i>Synthesis</i> , 2016, 48, 1457-1473.	2.3	48
80	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.	3.0	48
81	Cell-cell communication in Gram-negative bacteria. <i>Molecular BioSystems</i> , 2005, 1, 196-202.	2.9	47
82	Structure-Activity Analysis of the <i>Pseudomonas</i> Quinolone Signal Molecule. <i>Journal of Bacteriology</i> , 2010, 192, 3833-3837.	2.2	47
83	Synthesis and utilization of functionalized polystyrene resins. <i>Tetrahedron</i> , 2005, 61, 12153-12159.	1.9	45
84	Is synthesis the main hurdle for the generation of diversity in compound libraries for screening?. <i>Expert Opinion on Drug Discovery</i> , 2009, 4, 467-472.	5.0	45
85	Small-Molecule Screening: Advances in Microarraying and Cell-Imaging Technologies. <i>ACS Chemical Biology</i> , 2007, 2, 24-30.	3.4	44
86	Virulence in <i>Pseudomonas aeruginosa</i> is regulated by a coincidence circuit involving quorum sensing and the stress alarmone, (p)ppGpp. <i>Molecular Microbiology</i> , 2013, 90, 457-471.	2.5	44
87	Enantioselective Synthesis of Chromanones via a Peptidic Phosphane Catalyzed Rauhut "Carrier Reaction". <i>Organic Letters</i> , 2015, 17, 2462-2465.	4.6	43
88	Diversity-oriented synthesis of bicyclic and tricyclic alkaloids. <i>Chemical Communications</i> , 2010, 46, 776-778.	4.1	42
89	A Multidimensional Diversity-Oriented Synthesis Strategy for Structurally Diverse and Complex Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11139-11143.	13.8	42
90	Diversity-Oriented Synthesis of Disubstituted Alkenes Using Masked Silanols. <i>Organic Letters</i> , 2010, 12, 2806-2809.	4.6	41

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91	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.	13.8	41
92	Diversity-oriented synthesis of heterocycles and macrocycles by controlled reactions of oxetanes with $\beta$ -iminocarbenes. <i>Chemical Science</i> , 2017, 8, 5713-5720.	7.4	41
93	Aryl-aryl coupling via directed lithiation and oxidation. <i>Chemical Communications</i> , 2005, , 2589.	4.1	40
94	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.	4.9	40
95	Sulfatase-cleavable linkers for antibody-drug conjugates. <i>Chemical Science</i> , 2020, 11, 2375-2380.	7.4	40
96	Towards quorum-quenching catalytic antibodies. <i>Chemical Communications</i> , 2009, , 538-540.	4.1	39
97	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.	2.8	39
98	Loving the poison: the methylcitrate cycle and bacterial pathogenesis. <i>Microbiology (United Kingdom)</i> , 2018, 164, 251-259.	1.8	39
99	Immunomodulatory effects of <i>Pseudomonas aeruginosa</i> quorum sensing small molecule probes on mammalian macrophages. <i>Molecular BioSystems</i> , 2006, 2, 132-137.	2.9	38
100	A new <i>Pseudomonas</i> quinolone signal (PQS) binding partner: MexG. <i>Chemical Science</i> , 2016, 7, 2553-2562.	7.4	38
101	Structure-activity relationships of <i>Erwinia carotovora</i> quorum sensing signaling molecules. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4235-4238.	2.2	37
102	Linear Aliphatic Dialkynes as Alternative Linkers for Double-Click Stapling of p53-Derived Peptides. <i>ChemBioChem</i> , 2014, 15, 2680-2683.	2.6	37
103	A diversity-oriented synthesis strategy enabling the combinatorial-type variation of macrocyclic peptidomimetic scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4570-4580.	2.8	37
104	Which microbial factors really are important in <i>Pseudomonas aeruginosa</i> infections?. <i>Future Microbiology</i> , 2015, 10, 1825-1836.	2.0	37
105	Controlling the contents of microdroplets by exploiting the permeability of PDMS. <i>Lab on A Chip</i> , 2011, 11, 1132.	6.0	35
106	Novel non-ATP competitive small molecules targeting the CK2 $\beta$ interface. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3016-3020.	3.0	35
107	Spirocycles as Rigidified sp <sup>3</sup> -Rich Scaffolds for a Fragment Collection. <i>Organic Letters</i> , 2019, 21, 4600-4604.	4.6	35
108	An approach to the manzamine alkaloids modelled on a biogenetic theory. <i>Tetrahedron</i> , 1997, 53, 2271-2290.	1.9	34

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109	2-Heptyl-4-Quinolone, a Precursor of the Pseudomonas Quinolone Signal Molecule, Modulates Swarming Motility in Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 2011, 193, 6770-6780.	2.2	34
110	The Use of Chlorobenzene as a Probe Molecule in Molecular Dynamics Simulations. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 1821-1827.	5.4	34
111	Fluoride-free cross coupling using vinylsiloxanes. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1068.	2.8	33
112	Stapled peptides as a new technology to investigate protein-protein interactions in human platelets. <i>Chemical Science</i> , 2018, 9, 4638-4643.	7.4	33
113	Two-Component Stapling of Biologically Active and Conformationally Constrained Peptides: Past, Present, and Future. <i>Advanced Therapeutics</i> , 2018, 1, 1800052.	3.2	33
114	Learning the Language of Bacteria. <i>ACS Chemical Biology</i> , 2007, 2, 715-717.	3.4	32
115	A two-directional strategy for the diversity-oriented synthesis of macrocyclic scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7545.	2.8	32
116	The reductive cleavage of picolinic amides. <i>Tetrahedron Letters</i> , 2016, 57, 2962-2964.	1.4	32
117	Second-generation CK2 $\pm$ inhibitors targeting the $\hat{\pm}$ D pocket. <i>Chemical Science</i> , 2018, 9, 3041-3049.	7.4	32
118	Antiplasmodial and trypanocidal activity of violacein and deoxyviolacein produced from synthetic operons. <i>BMC Biotechnology</i> , 2018, 18, 22.	3.3	32
119	Gemmacin B: bringing diversity back into focus. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2978.	2.8	31
120	The effect of humidity on the ozonolysis of unsaturated compounds in aerosol particles. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8023.	2.8	31
121	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.	1.4	30
122	Efficient synthesis of the sponge alkaloids cyclostelletamines A-F. <i>Tetrahedron</i> , 1998, 54, 13655-13680.	1.9	28
123	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.	5.3	28
124	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. <i>Scientific Reports</i> , 2016, 6, 23732.	3.3	28
125	Toolbox of Diverse Linkers for Navigating the Cellular Efficacy Landscape of Stapled Peptides. <i>ACS Chemical Biology</i> , 2019, 14, 526-533.	3.4	28
126	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.	4.1	28



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127	Complete functionalisation of small and large diameter bromopolystyrene beads; applications for solid-supported reagents, scavengers and diversity-oriented synthesis Electronic supplementary information (ESI) available: experimental techniques, apparatus, characterisation and spectroscopic data. See <a href="http://www.rsc.org/suppdata/ob/b4/b406488g/">http://www.rsc.org/suppdata/ob/b4/b406488g/</a> . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1679.	2.8	27
128	Copper catalyzed oxidation of organozinc halides. <i>Chemical Communications</i> , 2006, , 3883.	4.1	27
129	Concise Copper-Catalyzed Synthesis of Tricyclic Biaryl Ether-Linked Aza-Heterocyclic Ring Systems. <i>Organic Letters</i> , 2013, 15, 5448-5451.	4.6	27
130	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.	7.4	27
131	3D small-molecule microarrays. <i>Chemical Communications</i> , 2009, , 7107.	4.1	26
132	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.	2.4	26
133	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, 322-328.	2.4	25
134	Small molecules in biology. <i>Chemical Society Reviews</i> , 2011, 40, 4269.	38.1	25
135	The Synthesis of Quinolone Natural Products from <i>Pseudonocardia</i> sp.. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 434-437.	2.4	25
136	Palladium-Catalysed Cross-Coupling of Vinylsiloxanes with Benzylic and Allylic Halides and Sulfonates. <i>Chemistry - A European Journal</i> , 2012, 18, 8774-8779.	3.3	24
137	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.	1.8	24
138	Identification of new quorum sensing autoinducer binding partners in <i>Pseudomonas aeruginosa</i> using photoaffinity probes. <i>Chemical Science</i> , 2017, 8, 7403-7411.	7.4	24
139	Synthesis of Structurally Diverse N-Substituted Quaternary-Carbon-Containing Small Molecules from $\beta$ -Disubstituted Propargyl Amino Esters. <i>Chemistry - A European Journal</i> , 2018, 24, 13681-13687.	3.3	24
140	Discovery of a quorum sensing modulator pharmacophore by 3D small-molecule microarray screening. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5313.	2.8	23
141	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. <i>Chemical Communications</i> , 2019, 55, 7914-7917.	4.1	23
142	Vinylsiloxanes: their synthesis, cross coupling and applications. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 504-515.	2.8	22
143	Targeting the Genome-Stability Hub Ctf4 by Stapled Peptide Design. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12866-12872.	13.8	22
144	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.	1.9	21

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145	Development of a Multifunctional Benzophenone Linker for Peptide Stapling and Photoaffinity Labelling. <i>ChemBioChem</i> , 2016, 17, 689-692.	2.6	21
146	An expedient strategy for the diversity-oriented synthesis of macrocyclic compounds with natural product-like characteristics. <i>Tetrahedron</i> , 2016, 72, 3567-3578.	1.9	21
147	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.	2.2	20
148	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, 1184-1192.	12.0	20
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