

David R Spring

List of Publications by Year in descending order

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249
papers

16,084
citations

22099

59
h-index

19690

117
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310
all docs

310
docs citations

310
times ranked

16988
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent chemosensors for Zn ²⁺ . <i>Chemical Society Reviews</i> , 2010, 39, 1996.	18.7	910
2	Diversity-oriented synthesis as a tool for the discovery of novel biologically active small molecules. <i>Nature Communications</i> , 2010, 1, 80.	5.8	675
3	Zn ²⁺ -Triggered Amide Tautomerization Produces a Highly Zn ²⁺ -Selective, Cell-Permeable, and Ratiometric Fluorescent Sensor. <i>Journal of the American Chemical Society</i> , 2010, 132, 601-610.	6.6	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.	18.7	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.	23.0	549
6	Peptide stapling techniques based on different macrocyclisation chemistries. <i>Chemical Society Reviews</i> , 2015, 44, 91-102.	18.7	441
7	Diversity-oriented synthesis: producing chemical tools for dissecting biology. <i>Chemical Society Reviews</i> , 2012, 41, 4444.	18.7	389
8	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
9	Palladium-catalysed cross-coupling of organosilicon reagents. <i>Chemical Society Reviews</i> , 2012, 41, 1845-1866.	18.7	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 http://www.rsc.org/suppdata/ob/b3/b310752n/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3867.	1.5	322
11	Cleavable linkers in antibody-drug conjugates. <i>Chemical Society Reviews</i> , 2019, 48, 4361-4374.	18.7	316
12	The molecular basis of the host response to lipopolysaccharide. <i>Nature Reviews Microbiology</i> , 2010, 8, 8-14.	13.6	303
13	A Lysosome-Targetable Fluorescent Probe for Imaging Hydrogen Sulfide in Living Cells. <i>Organic Letters</i> , 2013, 15, 2310-2313.	2.4	279
14	Diversity-oriented synthesis; a spectrum of approaches and results. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1149.	1.5	269
15	Chemical genetics to chemical genomics: small molecules offer big insights. <i>Chemical Society Reviews</i> , 2005, 34, 472.	18.7	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.	3.3	225
17	Site-selective modification strategies in antibody-drug conjugates. <i>Chemical Society Reviews</i> , 2021, 50, 1305-1353.	18.7	207
18	A selective and ratiometric Cu ²⁺ fluorescent probe based on naphthalimide excimer monomer switching. <i>Chemical Communications</i> , 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. <i>Trends in Microbiology</i> , 2012, 20, 449-458.	3.5	187
20	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
21	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
22	Ratiometric fluorescent and colorimetric sensors for Cu ²⁺ based on 4,5-disubstituted-1,8-naphthalimide and sensing cyanide via Cu ²⁺ displacement approach. <i>Tetrahedron</i> , 2010, 66, 1678-1683.	1.0	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.	6.6	168
24	Functionalised staple linkages for modulating the cellular activity of stapled peptides. <i>Chemical Science</i> , 2014, 5, 1804-1809.	3.7	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.	1.7	157
26	Coumarin-derived transformable fluorescent sensor for Zn ²⁺ . <i>Chemical Communications</i> , 2012, 48, 4764.	2.2	147
27	Development of off-on fluorescent probes for heavy and transition metal ions. <i>Chemical Communications</i> , 2010, 46, 1679.	2.2	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.	6.2	130
29	Strategies for the Diversity-Oriented Synthesis of Macrocycles. <i>Chemical Reviews</i> , 2019, 119, 10288-10317.	23.0	129
30	Anti-MRSA Agent Discovery Using Diversity-Oriented Synthesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2808-2812.	7.2	122
31	A strategy for the diversity-oriented synthesis of macrocyclic scaffolds using multidimensional coupling. <i>Nature Chemistry</i> , 2013, 5, 861-867.	6.6	118
32	The discovery of antibacterial agents using diversity-oriented synthesis. <i>Chemical Communications</i> , 2009, , 2446.	2.2	110
33	Quantitatively Mapping Cellular Viscosity with Detailed Organelle Information via a Designed PET Fluorescent Probe. <i>Scientific Reports</i> , 2014, 4, 5418.	1.6	109
34	Chemical genetics. <i>Chemical Society Reviews</i> , 2011, 40, 4332.	18.7	108
35	A question of library design. <i>Nature</i> , 2011, 470, 42-43.	13.7	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.	3.3	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.	6.2	101
38	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
39	Rational Methods for the Selection of Diverse Screening Compounds. <i>ACS Chemical Biology</i> , 2011, 6, 208-217.	1.6	98
40	Studies on the Biomimetic Synthesis of the Manzamine Alkaloids. <i>Chemistry - A European Journal</i> , 1999, 5, 3154-3161.	1.7	94
41	Photocatalytic methods for amino acid modification. <i>Chemical Society Reviews</i> , 2021, 50, 39-57.	18.7	93
42	Skeletal diversity construction via a branching synthetic strategy. <i>Chemical Communications</i> , 2006, , 3296.	2.2	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.	0.7	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.	6.6	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.	1.5	85
46	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
47	Diversity-oriented synthesis. <i>Chemical Record</i> , 2008, 8, 129-142.	2.9	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.	0.7	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.	1.0	74
50	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. <i>Nature Communications</i> , 2014, 5, 3155.	5.8	73
51	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
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.	1.5	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.	1.6	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.	1.5	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.	1.7	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.	1.6	66
57	A two-component 'double-click' approach to peptide stapling. <i>Nature Protocols</i> , 2015, 10, 585-594.	5.5	65
58	Synthesis of Medium-Ring and Iodinated Biaryl Compounds by Organocuprate Oxidation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1870-1873.	7.2	64
59	The oxidation of organocuprates—an offbeat strategy for synthesis. <i>Chemical Society Reviews</i> , 2006, 35, 218-225.	18.7	64
60	Assessment of structural diversity in combinatorial synthesis. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 304-309.	2.8	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.	2.5	62
62	Exploiting domino enyne metathesis mechanisms for skeletal diversity generation. <i>Chemical Communications</i> , 2008, , 3001.	2.2	58
63	Discovery of a highly selective turn-on fluorescent probe for Ag ⁺ . <i>Analyst</i> , 2010, 135, 2554.	1.7	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.	1.7	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.	3.3	55
66	Partially Saturated Bicyclic Heteroaromatics as an sp ³ -Enriched Fragment Collection. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12479-12483.	7.2	55
67	Specific inhibition of CK2 β from an anchor outside the active site. <i>Chemical Science</i> , 2016, 7, 6839-6845.	3.7	55
68	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
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.	7.2	54
70	Total Synthesis of Sanguin H-5. <i>Organic Letters</i> , 2008, 10, 2593-2596.	2.4	53
71	Fluorous tagged small molecule microarrays. <i>Chemical Communications</i> , 2007, , 3906.	2.2	52
72	Recent Applications of Diversity-Oriented Synthesis Toward Novel, 3-Dimensional Fragment Collections. <i>Frontiers in Chemistry</i> , 2018, 6, 460.	1.8	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.	2.2	50
74	Synthesis of Unprecedented Scaffold Diversity. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1194-1196.	7.2	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.	3.3	50
76	Investigating peptide sequence variations for "double-click"™ stapled p53 peptides. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4074-4077.	1.5	49
77	Microwave and flow syntheses of Pseudomonasquinolone signal (PQS) and analogues. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 57-61.	1.5	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.	1.0	48
79	Diversity-Oriented Synthesis of Macrocyclic Libraries for Drug Discovery and Chemical Biology. <i>Synthesis</i> , 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. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3471-3482.	1.4	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.	1.0	47
83	Synthesis and utilization of functionalized polystyrene resins. <i>Tetrahedron</i> , 2005, 61, 12153-12159.	1.0	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.	2.5	45
85	Small-Molecule Screening: Advances in Microarraying and Cell-Imaging Technologies. <i>ACS Chemical Biology</i> , 2007, 2, 24-30.	1.6	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.	1.2	44
87	Enantioselective Synthesis of Chromanones via a Peptidic Phosphane Catalyzed Rauhut "Carrier Reaction". <i>Organic Letters</i> , 2015, 17, 2462-2465.	2.4	43
88	Diversity-oriented synthesis of bicyclic and tricyclic alkaloids. <i>Chemical Communications</i> , 2010, 46, 776-778.	2.2	42
89	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
90	Diversity-Oriented Synthesis of Disubstituted Alkenes Using Masked Silanols. <i>Organic Letters</i> , 2010, 12, 2806-2809.	2.4	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.	7.2	41
92	Diversity-oriented synthesis of heterocycles and macrocycles by controlled reactions of oxetanes with $\hat{\pm}$ -iminocarbenes. <i>Chemical Science</i> , 2017, 8, 5713-5720.	3.7	41
93	Aryl-aryl coupling via directed lithiation and oxidation. <i>Chemical Communications</i> , 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. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12181-12195.	1.9	40
95	Sulfatase-cleavable linkers for antibody-drug conjugates. <i>Chemical Science</i> , 2020, 11, 2375-2380.	3.7	40
96	Towards quorum-quenching catalytic antibodies. <i>Chemical Communications</i> , 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. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2590.	1.5	39
98	Loving the poison: the methylcitrate cycle and bacterial pathogenesis. <i>Microbiology (United Kingdom)</i> , 2018, 164, 251-259.	0.7	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.	3.7	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.	1.0	37
102	Linear Aliphatic Dialkynes as Alternative Linkers for Double-Click Stapling of p53-Derived Peptides. <i>ChemBioChem</i> , 2014, 15, 2680-2683.	1.3	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.	1.5	37
104	Which microbial factors really are important in <i>Pseudomonas aeruginosa</i> infections?. <i>Future Microbiology</i> , 2015, 10, 1825-1836.	1.0	37
105	Controlling the contents of microdroplets by exploiting the permeability of PDMS. <i>Lab on A Chip</i> , 2011, 11, 1132.	3.1	35
106	Novel non-ATP competitive small molecules targeting the CK2 $\hat{\pm}$ / $\hat{\pm}$ interface. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3016-3020.	1.4	35
107	Spirocycles as Rigidified sp ³ -Rich Scaffolds for a Fragment Collection. <i>Organic Letters</i> , 2019, 21, 4600-4604.	2.4	35
108	An approach to the manzamine alkaloids modelled on a biogenetic theory. <i>Tetrahedron</i> , 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. <i>Journal of Bacteriology</i> , 2011, 193, 6770-6780.	1.0	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.	2.5	34
111	Fluoride-free cross coupling using vinylsiloxanes. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1068.	1.5	33
112	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
113	Two-Component Stapling of Biologically Active and Conformationally Constrained Peptides: Past, Present, and Future. <i>Advanced Therapeutics</i> , 2018, 1, 1800052.	1.6	33
114	Learning the Language of Bacteria. <i>ACS Chemical Biology</i> , 2007, 2, 715-717.	1.6	32
115	A two-directional strategy for the diversity-oriented synthesis of macrocyclic scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7545.	1.5	32
116	The reductive cleavage of picolinic amides. <i>Tetrahedron Letters</i> , 2016, 57, 2962-2964.	0.7	32
117	Second-generation CK2 \pm inhibitors targeting the $\hat{\pm}$ D pocket. <i>Chemical Science</i> , 2018, 9, 3041-3049.	3.7	32
118	Antiplasmodial and trypanocidal activity of violacein and deoxyviolacein produced from synthetic operons. <i>BMC Biotechnology</i> , 2018, 18, 22.	1.7	32
119	Gemmacin B: bringing diversity back into focus. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2978.	1.5	31
120	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
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.	0.7	30
122	Efficient synthesis of the sponge alkaloids cyclostelletamines A-F. <i>Tetrahedron</i> , 1998, 54, 13655-13680.	1.0	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.	2.3	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.	1.6	28
125	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
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.	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 synthesis Electronic supplementary information (ESI) available: experimental techniques, apparatus, characterisation and spectroscopic data. See http://www.rsc.org/suppdata/ob/b4/b406488g/ . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1679.	1.5	27
128	Copper catalyzed oxidation of organozinc halides. <i>Chemical Communications</i> , 2006, , 3883.	2.2	27
129	Concise Copper-Catalyzed Synthesis of Tricyclic Biaryl Ether-Linked Aza-Heterocyclic Ring Systems. <i>Organic Letters</i> , 2013, 15, 5448-5451.	2.4	27
130	Efficient development of stable and highly functionalised peptides targeting the CK2 ^{1±} /CK2 ^{2±} protein-protein interaction. <i>Chemical Science</i> , 2019, 10, 5056-5063.	3.7	27
131	3D small-molecule microarrays. <i>Chemical Communications</i> , 2009, , 7107.	2.2	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.	1.2	26
133	Engineering of new prodigiosin-based biosensors of <i>Serratia</i> for facile detection of short-chain <i>N</i> -acyl homoserine lactone quorum-sensing molecules. <i>Environmental Microbiology Reports</i> , 2010, 2, 322-328.	1.0	25
134	Small molecules in biology. <i>Chemical Society Reviews</i> , 2011, 40, 4269.	18.7	25
135	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
136	Palladium-Catalysed Cross-Coupling of Vinylsiloxanes with Benzylic and Allylic Halides and Sulfonates. <i>Chemistry - A European Journal</i> , 2012, 18, 8774-8779.	1.7	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.	0.7	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.	3.7	24
139	Synthesis of Structurally Diverse <i>N</i> -substituted Quaternary-Carbon-Containing Small Molecules from β -substituted Propargyl Amino Esters. <i>Chemistry - A European Journal</i> , 2018, 24, 13681-13687.	1.7	24
140	Discovery of a quorum sensing modulator pharmacophore by 3D small-molecule microarray screening. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5313.	1.5	23
141	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. <i>Chemical Communications</i> , 2019, 55, 7914-7917.	2.2	23
142	Vinylsiloxanes: their synthesis, cross coupling and applications. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 504-515.	1.5	22
143	Targeting the Genome-Stability Hub Ctf4 by Stapled Peptide Design. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12866-12872.	7.2	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.	1.0	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.	1.3	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.	1.0	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.	1.3	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.	5.5	20
149	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
150	Macrocyclisation and functionalisation of unprotected peptides <i>via</i> divinyltriazine cysteine stapling. <i>Chemical Communications</i> , 2019, 55, 9499-9502.	2.2	20
151	The role of chemical synthesis in developing RiPP antibiotics. <i>Chemical Society Reviews</i> , 2021, 50, 4245-4258.	18.7	20
152	A novel Diels-Alder approach to hydroisoquinolines. <i>Tetrahedron Letters</i> , 1998, 39, 5417-5420.	0.7	19
153	Novel and Efficient Copper-Catalysed Synthesis of Nitrogen-Linked Medium-Ring Biaryls. <i>Chemistry - A European Journal</i> , 2011, 17, 2981-2986.	1.7	19
154	Concise Synthesis of Substituted Quinolizines by Ring-Closing Metathesis. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5767-5776.	1.2	19
155	Synthesis of a novel polycyclic ring scaffold with antimetabolic properties <i>via</i> a selective domino Heck-Suzuki reaction. <i>Chemical Science</i> , 2015, 6, 390-396.	3.7	19
156	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
157	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
158	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
159	Chemogenomics Approaches for Receptor Deorphanization and Extensions of the Chemogenomics Concept to Phenotypic Space. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 1964-1977.	1.0	18
160	The <i>Pseudomonas</i> Quinolone Signal (PQS). <i>Israel Journal of Chemistry</i> , 2016, 56, 282-294.	1.0	18
161	Protein modification <i>via</i> alkyne hydrosilylation using a substoichiometric amount of ruthenium catalyst. <i>Chemical Science</i> , 2017, 8, 3871-3878.	3.7	18
162	Enriching chemical space with diversity-oriented synthesis. <i>Current Opinion in Drug Discovery & Development</i> , 2006, 9, 700-12.	1.9	18

#	ARTICLE	IF	CITATIONS
163	Using chemical probes to investigate the sub-inhibitory effects of azithromycin. <i>Organic and Biomolecular Chemistry</i> , 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. <i>Scientific Reports</i> , 2019, 9, 15930.	1.6	17
165	Efficient and selective antibody modification with functionalised divinyltriazines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4739-4743.	1.5	17
166	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
167	Aryl- C^{Aryl} Bond Formation by the Fluoride-Free Cross-Coupling of Aryldisiloxanes with Aryl Bromides. <i>Chemistry - A European Journal</i> , 2011, 17, 13230-13239.	1.7	16
168	Combinatorial Synthesis of Structurally Diverse Triazole-Bridged Flavonoid Dimers and Trimers. <i>Molecules</i> , 2016, 21, 1230.	1.7	16
169	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
170	Downfalls of Chemical Probes Acting at the Kinase ATP-Site: CK2 as a Case Study. <i>Molecules</i> , 2021, 26, 1977.	1.7	16
171	A dual-enzyme cleavable linker for antibody-drug conjugates. <i>Chemical Communications</i> , 2021, 57, 3457-3460.	2.2	16
172	2-Methoxycyclopentyl analogues of a <i>Pseudomonas aeruginosa</i> quorum sensing modulator. <i>Molecular BioSystems</i> , 2008, 4, 505.	2.9	15
173	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
174	Partially Saturated Bicyclic Heteroaromatics as an sp^3 -Enriched Fragment Collection. <i>Angewandte Chemie</i> , 2016, 128, 12667-12671.	1.6	15
175	Computationally-guided optimization of small-molecule inhibitors of the Aurora A kinase-TPX2 protein-protein interaction. <i>Chemical Communications</i> , 2017, 53, 9372-9375.	2.2	15
176	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
177	The <i>Serratia</i> LuxR family regulator CarR ₃₉₀₀₆ activates transcription independently of cognate quorum sensing signals. <i>Molecular Microbiology</i> , 2011, 80, 1120-1131.	1.2	14
178	Stereocontrolled semi-syntheses of deguelin and tephrosin. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1593-1596.	1.5	14
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	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
182	Rapid and robust cysteine bioconjugation with vinylheteroarenes. <i>Chemical Science</i> , 2021, 12, 9060-9068.	3.7	14
183	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
184	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
185	Hydroxylated Rotenoids Selectively Inhibit the Proliferation of Prostate Cancer Cells. <i>Journal of Natural Products</i> , 2020, 83, 1829-1845.	1.5	13
186	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
187	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
188	A Concise Total Synthesis of Deoxyschizandrin and Exploration of Its Antiproliferative Effects and those of Structurally Related Derivatives. <i>Chemistry - A European Journal</i> , 2012, 18, 3193-3198.	1.7	11
189	Ligand Binding Kinetics of the Quorum Sensing Regulator PqsR. <i>Biochemistry</i> , 2013, 52, 4433-4438.	1.2	11
190	Divergent synthesis of biflavonoids yields novel inhibitors of the aggregation of amyloid β (1-42). <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4554-4570.	1.5	11
191	Stereocontrolled Semisyntheses of Elliptone and 12 α -Hydroxyelliptone. <i>Journal of Natural Products</i> , 2017, 80, 2751-2755.	1.5	11
192	Highly reactive bis-cyclooctyne-modified diarylethene for SPAAC-mediated cross-linking. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8559-8564.	1.5	11
193	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
194	Diversity Oriented Synthesis: A Challenge for Synthetic Chemists. , 2006, , 47-60.		10
195	Efficient Synthesis of Fmoc-Protected Azido Amino Acids. <i>Synlett</i> , 2011, 2011, 1917-1919.	1.0	10
196	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
197	Synthesis of structurally diverse biflavonoids. <i>Tetrahedron</i> , 2018, 74, 5089-5101.	1.0	9
198	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

#	ARTICLE	IF	CITATIONS
199	High throughput "catch-and-release"™ synthesis within spatially discrete gel arrays. <i>Tetrahedron Letters</i> , 2010, 51, 5930-5932.	0.7	8
200	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
201	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
202	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
203	Bioinspired Total Synthesis of Bussealin E. <i>Organic Letters</i> , 2018, 20, 1597-1599.	2.4	8
204	Energetics of lipid transport by the ABC transporter MsbA is lipid dependent. <i>Communications Biology</i> , 2021, 4, 1379.	2.0	8
205	Design and chance in the self-assembly of macromolecules. <i>Biochemical Society Transactions</i> , 2007, 35, 502-507.	1.6	7
206	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
207	Functionalized Double Strain-Promoted Stapled Peptides for Inhibiting the p53-MDM2 Interaction. <i>ACS Omega</i> , 2020, 5, 1157-1169.	1.6	7
208	C(sp ³)-H arylation to construct all-syn cyclobutane-based heterobicyclic systems: a novel fragment collection. <i>Chemical Communications</i> , 2020, 56, 7423-7426.	2.2	7
209	Synthesis of Biaryl-Containing Medium-Ring Systems by Organocuprate Oxidation: Applications in the Total Synthesis of Ellagitannin Natural Products. <i>Synthesis</i> , 2009, 2009, 3880-3896.	1.2	6
210	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
211	Studies Towards the Synthesis of the Core of Endiandric Acid H. <i>Chemistry of Natural Compounds</i> , 2018, 54, 289-292.	0.2	6
212	An efficient, stereocontrolled and versatile synthetic route to bicyclic partially saturated privileged scaffolds. <i>Chemical Communications</i> , 2020, 56, 6818-6821.	2.2	6
213	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
214	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
215	Mastering the Chemical Language of Bacteria. <i>Chemistry and Biology</i> , 2009, 16, 913-914.	6.2	5
216	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

#	ARTICLE	IF	CITATIONS
217	A Multidimensional Diversity-Oriented Synthesis Strategy for Structurally Diverse and Complex Macrocycles. <i>Angewandte Chemie</i> , 2016, 128, 11305-11309.	1.6	5
218	(<i>Z</i>)-Selective Takai olefination of salicylaldehydes. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 323-328.	1.3	5
219	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
220	Regioselectivity in Thermal Rhodium(II)-Catalysed Büchner-Type Reactions of Substituted Aryl Halides: Studies towards the Synthesis of Halide-Substituted Cycloheptatrienes. <i>Synlett</i> , 2011, 2011, 1449-1453.	1.0	4
221	Structural and calorimetric studies demonstrate that the hepatocyte nuclear factor 1 $\hat{2}$ (HNF1 $\hat{2}$) 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
222	Multiple-Parameter Optimization in Drug Discovery: Example of the 5-HT _{1B} GPCR. <i>Molecular Informatics</i> , 2016, 35, 599-605.	1.4	4
223	Divergent Synthesis of Novel Cylindrocyclophanes that Inhibit Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>ChemMedChem</i> , 2020, 15, 1289-1293.	1.6	4
224	Semi-syntheses of the 11-hydroxyrotenoids sumatrol and villosinol. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6395-6398.	1.5	3
225	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
226	Chapter 2. The Application of Diversity-oriented Synthesis in Chemical Biology. <i>Chemical Biology</i> , 2018, 8-44.	0.1	3
227	Synthesis of a Biotin-Labeled Quorum-Sensing Molecule: Towards a General Method for Target Identification. <i>Synlett</i> , 2008, 2008, 2122-2126.	1.0	2
228	PNA to DNA to Microarray Decoding Facilitates Ligand Discovery. <i>Chemistry and Biology</i> , 2011, 18, 1209-1210.	6.2	2
229	Synthesis of Highly Substituted Symmetrical 1,3-Dienes via Organocuprate Oxidation. <i>Synlett</i> , 2012, 2012, 298-300.	1.0	2
230	Complex peptides made simple. <i>Nature Chemistry</i> , 2017, 9, 9-10.	6.6	2
231	Targeting the Genome-Stability Hub Ctf4 by Stapled-Peptide Design. <i>Angewandte Chemie</i> , 2017, 129, 13046-13052.	1.6	2
232	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
233	Synthesis of Medium-Ring and Iodinated Biaryl Compounds by Organocuprate Oxidation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2471-2471.	7.2	1
234	Synthesis of Highly Substituted Symmetrical 1,3-Dienes via Tandem Carbocupration and Organocuprate Oxidation. <i>Synlett</i> , 2010, 2010, 2839-2842.	1.0	1

#	ARTICLE	IF	CITATIONS
235	Diversity-Oriented Synthesis. , 2012, , 39-59.		1
236	Stereoselective Synthesis of Disubstituted Butadienes via Copper-Mediated Coupling of Alkenyl Silanes. Synlett, 2011, 2011, 2140-2144.	1.0	1
237	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.	1.0	1
238	CHAPTER 8. Double-click Stapled Peptides for Inhibiting Protein-Protein Interactions. Chemical Biology, 0, , 164-187.	0.1	1
239	Development of small cyclic peptides targeting the CK2 β / β ² interface. Chemical Communications, 2022, , .	2.2	1
240	Highlights from the 39thESF/EUCHEM Conference on Stereochemistry, Bâle, Switzerland, April 2004. Chemical Communications, 2004, , 2365-2367.	2.2	0
241	Synthesis of Medium-Ring and Iodinated Biaryl Compounds by Organocuprate Oxidation.. ChemInform, 2005, 36, no.	0.1	0
242	Chemical Genetics to Chemical Genomics: Small Molecules Offer Big Insights. ChemInform, 2005, 36, no.	0.1	0
243	Aryl-Aryl Coupling via Directed Lithiation and Oxidation.. ChemInform, 2005, 36, no.	0.1	0
244	Assessment of Structural Diversity in Combinatorial Synthesis. ChemInform, 2005, 36, no.	0.1	0
245	Editorial: the chemistry-biology interface. Chemical Society Reviews, 2008, 37, 1293.	18.7	0
246	Structure of a Blinkin-BUBR1 Complex Reveals an Interaction Crucial for Kinetochore-Mitotic Checkpoint Regulation via an Unanticipated Binding Site. Structure, 2011, 19, 1895.	1.6	0
247	Direct Synthesis of N-Functionalized Dipropargylamine Linkers as Models for Use in Peptide Stapling. Synlett, 2019, 30, 2153-2156.	1.0	0
248	Expeditious Total Synthesis of Hemiasterlin through a Convergent Multicomponent Strategy and Its Use in Targeted Cancer Therapeutics. Angewandte Chemie, 2020, 132, 23245-23250.	1.6	0
249	Diversity Oriented Synthesis: A Challenge for Synthetic Chemists. , 2006, , 47-60.		0