

Stephen P Marsden

List of Publications by Year in descending order

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105
papers

6,878
citations

87888

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60623

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145
all docs

145
docs citations

145
times ranked

6560
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetrapropylammonium Perruthenate, Pr4N+RuO4 -, TPAP: A Catalytic Oxidant for Organic Synthesis. <i>Synthesis</i> , 1994, 1994, 639-666.	2.3	1,175
2	Copper catalysed Ullmann type chemistry: from mechanistic aspects to modern development. <i>Chemical Society Reviews</i> , 2014, 43, 3525-3550.	38.1	899
3	Synthesis of Benzazoles by Hydrogen-Transfer Catalysis. <i>Organic Letters</i> , 2009, 11, 2039-2042.	4.6	255
4	Total Synthesis of 5-N-Acetylardeemin and Amauromine: A Practical Routes to Potential MDR Reversal Agents. <i>Journal of the American Chemical Society</i> , 1999, 121, 11953-11963.	13.7	233
5	Recent advances and applications of iridium-catalysed asymmetric allylic substitution. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3147.	2.8	216
6	Chiral N-heterocyclic carbene ligands for asymmetric catalytic oxindole synthesis. <i>Chemical Communications</i> , 2008, , 4040.	4.1	205
7	Iridium-catalysed amine alkylation with alcohols in water. <i>Chemical Communications</i> , 2010, 46, 1541.	4.1	205
8	Stereoselective Total Syntheses of Amauromine and 5-N-Acetylardeemin. A Concise Route to the Family of "Reverse-Prenylated" Hexahydropyrroloindole Alkaloids. <i>Journal of the American Chemical Society</i> , 1994, 116, 11143-11144.	13.7	171
9	Selective Amine Cross-Coupling Using Iridium-Catalyzed α -Borrowing Hydrogen-Methodology. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7375-7378.	13.8	151
10	Aerobic oxidations in flow: opportunities for the fine chemicals and pharmaceuticals industries. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 595-612.	3.7	145
11	A Survey of the Borrowing Hydrogen Approach to the Synthesis of some Pharmaceutically Relevant Intermediates. <i>Organic Process Research and Development</i> , 2015, 19, 1400-1410.	2.7	141
12	Rhodium(III)-Catalyzed C-H Activation/Annulation with Vinyl Esters as an Acetylene Equivalent. <i>Organic Letters</i> , 2014, 16, 4718-4721.	4.6	140
13	Catalytic aza-Wittig Cyclizations for Heteroaromatic Synthesis. <i>Organic Letters</i> , 2008, 10, 2589-2591.	4.6	138
14	Convergent, Regiospecific Synthesis of Quinolines from <i>o</i> -Aminophenylboronates. <i>Organic Letters</i> , 2008, 10, 4117-4120.	4.6	121
15	Facile and General Synthesis of Quaternary 3-Aminooxindoles. <i>Organic Letters</i> , 2008, 10, 2905-2908.	4.6	109
16	Borrowing Hydrogen in Water and Ionic Liquids: Iridium-Catalyzed Alkylation of Amines with Alcohols. <i>Organic Process Research and Development</i> , 2010, 14, 1046-1049.	2.7	103
17	Reagent-Controlled Asymmetric Homologation of Boronic Esters by Enantioenriched Main-Group Chiral Carbenoids. <i>Organic Letters</i> , 2006, 8, 773-776.	4.6	102
18	Application of Glycals to the Synthesis of Oligosaccharides: Convergent Total Syntheses of the Lewis X Trisaccharide Sialyl Lewis X Antigenic Determinant and Higher Congeners. <i>Journal of the American Chemical Society</i> , 1995, 117, 1940-1953.	13.7	84

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19	A divergent synthetic approach to diverse molecular scaffolds: assessment of lead-likeness using LLAMA, an open-access computational tool. <i>Chemical Communications</i> , 2016, 52, 7209-7212.	4.1	83
20	A Novel, Stereocontrolled Synthesis of 1,2-trans-Cyclopropanes: Cyclopropyl Boronate Esters as Partners in Suzuki Couplings with Aryl Halides. <i>Synlett</i> , 1996, 1996, 893-894.	1.8	79
21	Reagent-Controlled Stereoselective Synthesis of Lignan-Related Tetrahydrofurans. <i>Journal of Organic Chemistry</i> , 2004, 69, 6874-6882.	3.2	76
22	Problem-based learning: Does accounting education need it?. <i>Journal of Accounting Education</i> , 2012, 30, 267-289.	1.7	74
23	Evaluating New Chemistry to Drive Molecular Discovery: Fit for Purpose?. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13650-13657.	13.8	65
24	Total Synthesis of Rapamycin. <i>Chemistry - A European Journal</i> , 2009, 15, 2874-2914.	3.3	60
25	Alkene Hydroboration: Hot Intermediates That React While They Are Cooling. <i>Journal of the American Chemical Society</i> , 2010, 132, 13621-13623.	13.7	59
26	A systematic approach to diverse, lead-like scaffolds from $\hat{1}\pm, \hat{1}\pm$ -disubstituted amino acids. <i>Chemical Communications</i> , 2015, 51, 11174-11177.	4.1	57
27	The Wittig reaction cleans up. <i>Nature Chemistry</i> , 2009, 1, 685-687.	13.6	55
28	Iridium-catalyzed formylation of amines with paraformaldehyde. <i>Tetrahedron Letters</i> , 2010, 51, 5804-5806.	1.4	55
29	A unified lead-oriented synthesis of over fifty molecular scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 859-865.	2.8	55
30	Significance of Nonstatistical Dynamics in Organic Reaction Mechanisms: Time-Dependent Stereoselectivity in Cyclopentene-Alkene Cycloadditions. <i>Journal of the American Chemical Society</i> , 2009, 131, 13896-13897.	13.7	49
31	Asymmetric Aza-Wittig Reactions: Enantioselective Synthesis of $\hat{1}^2$ -Quaternary Azacycles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5000-5002.	13.8	48
32	Towards the realisation of lead-oriented synthesis. <i>Drug Discovery Today</i> , 2014, 19, 813-819.	6.4	48
33	Synthesis and Demonstration of the Biological Relevance of sp^3 -rich Scaffolds Distantly Related to Natural Product Frameworks. <i>Chemistry - A European Journal</i> , 2017, 23, 15227-15232.	3.3	48
34	Studies towards the total synthesis of rapamycin: A convergent and stereoselective synthesis of the C22-C32 carbon framework. <i>Tetrahedron Letters</i> , 1994, 35, 2087-2090.	1.4	43
35	Chiral vinyl dioxazaborocines in synthesis: asymmetric cuprate additions to $\hat{1}^2$ -boronyl acrylates and vinyl sulfones. <i>Tetrahedron Letters</i> , 2000, 41, 4235-4238.	1.4	43
36	Enhanced asymmetric induction in cycloadditions to bridgehead-chiral vinyl dioxazaborocines. <i>Tetrahedron Letters</i> , 2000, 41, 4229-4233.	1.4	41

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37	Synthesis and Application of P-Stereogenic Phosphines as Superior Reagents in the Asymmetric Aza-Wittig Reaction. <i>Journal of Organic Chemistry</i> , 2007, 72, 7185-7189.	3.2	40
38	Convenient Synthesis of 3-Alkoxy-3-aryloxindoles by Intramolecular Arylation of Mandelic Amides. <i>Journal of Organic Chemistry</i> , 2008, 73, 6459-6461.	3.2	40
39	Synergistic Chemo/Biocatalytic Synthesis of Alkaloidal Tetrahydroquinolines. <i>ACS Catalysis</i> , 2018, 8, 5570-5573.	11.2	38
40	Concise access to indolizidine and pyrroloazepine skeleta via intramolecular Schmidt reactions of azido 1,3-diketones. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3498.	2.8	36
41	Iridium-Catalyzed Asymmetric Allylic Amination with Polar Amines: Access to Building Blocks with Lead-Like Molecular Properties. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3153-3157.	4.3	36
42	Radical-mediated direct C-H amination of arenes with secondary amines. <i>Chemical Science</i> , 2018, 9, 6647-6652.	7.4	36
43	Convergent synthesis of dihydroquinolones from o-aminoarylboronates. <i>Tetrahedron</i> , 2009, 65, 9002-9007.	1.9	35
44	Chiral vinyl dioxazaborocines in synthesis: Asymmetric synthesis of 5-substituted 2-isoxazolines via nitrile oxide cycloaddition. <i>Tetrahedron Letters</i> , 1998, 39, 8513-8516.	1.4	34
45	Oxidative conversion of amines into benzoxazoles using hydrogen transfer catalysis. <i>Tetrahedron Letters</i> , 2009, 50, 6106-6109.	1.4	34
46	Stereocontrolled Assembly of Tetrasubstituted Tetrahydrofurans: A Concise Synthesis of Virgatusin. <i>Organic Letters</i> , 2005, 7, 3685-3688.	4.6	33
47	Total Synthesis of the Immunosuppressants Myriocin and 2-epi-Myriocin. <i>Organic Letters</i> , 2008, 10, 4125-4128.	4.6	32
48	Efficient, general synthesis of silylketenes via an unusual rhodium mediated Wolff rearrangement. <i>Chemical Communications</i> , 1999, , 1199-1200.	4.1	31
49	Synthesis and bio-assay of RCM-derived Bowman-Birk inhibitor analogues. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 281-283.	2.8	29
50	Catalyst Control in Sequential Asymmetric Allylic Substitution: Stereodivergent Access to <i>N,N</i> -Diprotected Unnatural Amino Acids. <i>Journal of Organic Chemistry</i> , 2011, 76, 5495-5501.	3.2	29
51	Stereoselective Synthesis of 2,3,5-Trisubstituted Tetrahydrofurans by an Allyl Silane Metathesis - Nucleophilic Addition Sequence. <i>Synlett</i> , 1997, 12, 1411-1413.	1.8	28
52	Stereocontrolled polyol synthesis via C-H insertion reactions of silicon tethered diazoacetates. <i>Tetrahedron Letters</i> , 1998, 39, 5109-5112.	1.4	28
53	Rhodium catalysed reactions of silylated diazoacetates: Stereoselective synthesis of β -silylated β -lactones via C-H insertion. <i>Tetrahedron Letters</i> , 1998, 39, 6077-6080.	1.4	28
54	A concise, convergent total synthesis of monocerin. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4118.	2.8	28

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55	Efficient Asymmetric Synthesis of Quaternary (E)-Vinylglycines by Deconjugative Alkylation of Dehydroamino Acids. <i>Organic Letters</i> , 2006, 8, 5509-5512.	4.6	27
56	A biosynthesis-inspired approach to over twenty diverse natural product-like scaffolds. <i>Chemical Communications</i> , 2016, 52, 9837-9840.	4.1	27
57	A robust, efficient catalyst system for enolate arylation leading to quaternary 3-aminooxindoles. <i>Tetrahedron Letters</i> , 2009, 50, 3318-3320.	1.4	26
58	Design, synthesis and decoration of molecular scaffolds for exploitation in the production of alkaloid-like libraries. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2629-2635.	3.0	26
59	Picolinamides as Effective Ligands for Copper-Catalysed Aryl Ether Formation: Structure-Activity Relationships, Substrate Scope and Mechanistic Investigations. <i>Chemistry - A European Journal</i> , 2014, 20, 17606-17615.	3.3	25
60	A convergent rhodium-catalysed asymmetric synthesis of tetrahydroquinolines. <i>Chemical Communications</i> , 2014, 50, 10222-10224.	4.1	25
61	Studies towards the total synthesis of rapamycin: Preparation of the cyclohexyl C33-C42 fragment and further coupling to afford the C22-C42 carbon unit. <i>Tetrahedron Letters</i> , 1994, 35, 2091-2094.	1.4	22
62	Fragment-oriented synthesis: \hat{I}^2 -elaboration of cyclic amine fragments using enecarbamates as platform intermediates. <i>Chemical Communications</i> , 2020, 56, 8802-8805.	4.1	22
63	Exploitation of the Ugi-Joulli \hat{I} Reaction in the Synthesis of Libraries of Drug-Like Bicyclic Hydantoins. <i>Synthesis</i> , 2015, 47, 2391-2406.	2.3	21
64	Electrophile-Directed Diastereoselective Alkylation of Prochiral Enediolates. <i>Journal of the American Chemical Society</i> , 2007, 129, 12600-12601.	13.7	20
65	Total synthesis of the indolizidine alkaloid tashiromine. <i>Beilstein Journal of Organic Chemistry</i> , 2008, 4, 8.	2.2	20
66	Deconjugation of Dehydroamino Acids: Stereoselective Synthesis of Racemic (E)-Vinylglycines. <i>Organic Letters</i> , 2005, 7, 5433-5436.	4.6	18
67	Design and synthesis of a fragment set based on twisted bicyclic lactams. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3030-3033.	3.0	18
68	Organic halides. <i>Contemporary Organic Synthesis</i> , 1997, 4, 118.	1.5	17
69	Evaluierung neuer Reaktionen zur Steuerung der Wirkstoff-Forschung: ein Eignungstest. <i>Angewandte Chemie</i> , 2016, 128, 13850-13857.	2.0	17
70	Isoquinoline synthesis by C-H activation/annulation using vinyl acetate as an acetylene equivalent. <i>Tetrahedron</i> , 2018, 74, 5200-5205.	1.9	16
71	Accountancy capstone: Enhancing integration and professional identity. <i>Journal of Accounting Education</i> , 2013, 31, 363-382.	1.7	15
72	Precious-Metal-Free Heteroarylation of Azlactones: Direct Synthesis of \hat{I}^{\pm} -Pyridyl, \hat{I}^{\pm} -Substituted Amino Acid Derivatives. <i>Organic Letters</i> , 2016, 18, 5364-5367.	4.6	15

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73	Realisation of small molecule libraries based on frameworks distantly related to natural products. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3160-3167.	2.8	15
74	Synthesis and evaluation of the performance of a small molecule library based on diverse tropane-related scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115442.	3.0	15
75	Stereoselective synthesis of the octahydroisobenzofuran skeleton of the eunicellins. <i>Tetrahedron Letters</i> , 2005, 46, 7235-7238.	1.4	14
76	Isotopic Labeling for Determination of Enantiomeric Purity by 2H NMR Spectroscopy. <i>Organic Letters</i> , 2007, 9, 5179-5182.	4.6	14
77	Green alternative solvents for the copper-catalysed arylation of phenols and amides. <i>RSC Advances</i> , 2016, 6, 70025-70032.	3.6	14
78	Direct Synthesis of <i>N</i> -Alkyl Arylglycines by Organocatalytic Asymmetric Transfer Hydrogenation of <i>N</i> -Alkyl Aryl Imino Esters. <i>Organic Letters</i> , 2017, 19, 5541-5544.	4.6	14
79	Aminomethylhydroxylation of alkenes: Exploitation in the synthesis of scaffolds for small molecule libraries. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2736-2740.	3.0	13
80	Translation of innovative chemistry into screening libraries: an exemplar partnership from the European Lead Factory. <i>Drug Discovery Today</i> , 2018, 23, 1578-1583.	6.4	13
81	Continuous Flow for the Photochemical C-H Amination of Arenes. <i>ChemPhotoChem</i> , 2018, 2, 851-854.	3.0	12
82	Iridium-Catalyzed Asymmetric Hydrogenation of <i>N</i> -Alkyl α -Aryl Furan-Containing Imines: an Efficient Route to Unnatural <i>N</i> -Alkyl Arylalanines and Related Derivatives.. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 578-584.	4.3	12
83	Synthesis of α -Diamine Building Blocks by Photocatalytic Hydroamination of Enecarbamates with Amines, Ammonia and N^H Heterocycles. <i>Chemistry - A European Journal</i> , 2020, 26, 14861-14865.	3.3	12
84	A novel, stereoselective and convergent synthesis of aryltetralins. <i>Chemical Communications</i> , 2004, , 2292.	4.1	11
85	Synthesis of highly substituted allenylsilanes by alkylidenation of silylketenes. <i>Beilstein Journal of Organic Chemistry</i> , 2005, 1, 5.	2.2	9
86	Ozonolysis for the preparation of high oxidation-state transition-metal complexes and the crystal structure of [PPh ₄] ₂ [Ru ₂ O($\frac{1}{4}$ -OC ₂ H ₅) ₂ Cl ₆]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3673-3678.	1.1	8
87	Epoxidation of alkenes by ozone catalysed by Fe(TMP)Cl. <i>Journal of Molecular Catalysis A</i> , 2000, 154, 85-91.	4.8	8
88	Synthesis of α -silylalkylbenzoxazoles and oxazoles from stable silylketenes. <i>Tetrahedron</i> , 2009, 65, 5503-5512.	1.9	8
89	Iron-Catalysed Direct Aromatic Amination with <i>N</i> -Chloroamines. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5508-5514.	2.4	7
90	Inter- and intramolecular Diels-Alder/retro-Diels-Alder reactions of 4-silylated oxazoles. <i>Arkivoc</i> , 2002, 2002, 22-34.	0.5	7

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91	A Concise Synthesis of Tashiromine. <i>Synlett</i> , 2005, 2005, 2528-2530.	1.8	6
92	A convergent, umpoled synthesis of 2-(1-amidoalkyl)pyridines. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1-4.	2.2	6
93	Regioselective side-chain amination of 2-alkyl azacycles by radical translocation: total synthesis of tetraopenerine T8. <i>Chemical Communications</i> , 2021, 57, 919-922.	4.1	6
94	Organic halides. <i>Contemporary Organic Synthesis</i> , 1996, 3, 133.	1.5	5
95	Stereoselective Synthesis of 2,3,5-Trisubstituted Pyrrolidines Using Metathesis-Derived β^2 -Aminoallylsilanes. <i>Heterocycles</i> , 2009, 79, 417.	0.7	5
96	Efficient Synthesis of Quaternary β -Hydroxy Acids by Alkylation of β -Ketoamide-Derived Dienediolates. <i>Synthesis</i> , 2005, 2005, 3263-3270.	2.3	4
97	Efficient unified synthesis of diverse bridged polycyclic scaffolds using a complexity-generating "stitching" annulation approach. <i>Chemical Communications</i> , 2021, 57, 599-602.	4.1	4
98	Oxidative Pictet-Spengler cyclisations through acceptorless iridium-catalysed dehydrogenation of tertiary amines. <i>Tetrahedron</i> , 2021, 78, 131785.	1.9	4
99	Readily Reconfigurable Continuous-Stirred Tank Photochemical Reactor Platform. <i>Organic Process Research and Development</i> , 2022, 26, 215-221.	2.7	4
100	Unified synthesis of diverse building blocks for application in the discovery of bioactive small molecules. <i>Tetrahedron</i> , 2019, 75, 130513.	1.9	3
101	Synthetic Studies on Psychotrimine: Palladium-Catalysed Arylation of 2-(N-Indolyl) Amides. <i>Synlett</i> , 2015, 27, 146-150.	1.8	1
102	A unified "top-down" approach for the synthesis of diverse lead-like molecular scaffolds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 62, 128631.	2.2	1
103	Reagent-Controlled Stereoselective Synthesis of Lignan-Related Tetrahydrofurans.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
104	A Novel, Stereoselective and Convergent Synthesis of Aryltetralins.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
105	Stereocontrolled Assembly of Tetrasubstituted Tetrahydrofurans: A Concise Synthesis of Virgatusin.. <i>ChemInform</i> , 2006, 37, no.	0.0	0