

# Simon E Lawrence

## List of Publications by Year in descending order

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108  
papers

2,414  
citations

270111

25  
h-index

286692

43  
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122  
all docs

122  
docs citations

122  
times ranked

3279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and reactivity of $\alpha$ -sulphenyl- $\beta$ -chloroenones, including oxidation and Stille cross-coupling to form chalcone derivatives. <i>Tetrahedron</i> , 2021, 88, 132091.	1.0	3
2	Investigating microcrystalline cellulose crystallinity using Raman spectroscopy. <i>Cellulose</i> , 2021, 28, 8971-8985.	2.4	8
3	Dirhodium Carboxylate Catalysts from $\alpha$ -Fenchyloxy or $\alpha$ -Menthylloxy Arylacetic Acids: Enantioselective $C\text{-}^{\alpha}$ H Insertion, Aromatic Addition and Oxonium Ylide Formation/Rearrangement. <i>ChemCatChem</i> , 2021, 13, 4318-4324.	1.8	4
4	Epimers with distinct mechanical behaviours. <i>CrystEngComm</i> , 2021, 23, 5848-5855.	1.3	1
5	Isoquinolinequinone <i>N</i> -oxides as anticancer agents effective against drug resistant cell lines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 557-568.	1.5	16
6	A new spodium bond driven coordination polymer constructed from mercury( <i>II</i> ) azide and 1,2-bis(pyridin-2-ylmethylene)hydrazine. <i>New Journal of Chemistry</i> , 2020, 44, 21100-21107.	1.4	21
7	Tetrel Bonding and Other Non-Covalent Interactions Assisted Supramolecular Aggregation in a New Pb(II) Complex of an Isonicotinohydrazide. <i>Molecules</i> , 2020, 25, 4056.	1.7	25
8	Ambipolar pentacyclic diamides with interesting electrochemical and optoelectronic properties. <i>Chemical Communications</i> , 2020, 56, 14893-14896.	2.2	0
9	Synthesis of 1,2,5-oxathiazole- <i>S</i> -oxides by 1,3-dipolar cycloadditions of nitrile oxides to $\alpha$ -oxo sulfines. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 622-638.	1.5	4
10	Regioselective Thermal [3+2]-Dipolar Cycloadditions of $\alpha$ -Diazoacetates with $\alpha$ -Sulphenyl/Sulfinyl/Sulfonyl- $\beta$ -Chloroacrylamide Derivatives to Form Densely Functionalised Pyrazoles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5368-5384.	1.2	13
11	Desymmetrization by Asymmetric Copper-Catalyzed Intramolecular $C\text{-}^{\alpha}$ H Insertion Reactions of $\alpha$ -Diazo- $\beta$ -oxo sulfones. <i>Journal of Organic Chemistry</i> , 2019, 84, 7543-7563.	1.7	14
12	Predicting Nucleation of Isonicotinamide from the Solvent-Solute Interactions of Isonicotinamide in Common Organic Solvents. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3301-3312.	1.1	11
13	Exploring the Crystal Landscape of 3-Methyl-2-phenylbutyramide: Crystallization of Metastable Racemic Forms from the Stable Conglomerate. <i>Crystal Growth and Design</i> , 2018, 18, 3549-3557.	1.4	5
14	Substrate and Catalyst Effects in the Enantioselective Copper-Catalysed $C\text{-}^{\alpha}$ H Insertion Reactions of $\alpha$ -Diazo- $\beta$ -oxo Sulfones. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2277-2289.	1.2	13
15	Dynamic kinetic resolution of 2-methyl-2-nitrocyclohexanol: Combining the intramolecular nitroaldol (Henry) reaction & lipase-catalysed resolution. <i>Tetrahedron</i> , 2018, 74, 1435-1443.	1.0	9
16	Pd-Catalyzed One-Pot Borylation/Intramolecular Asymmetric Arylation on $\alpha$ -Ketiminoamides: Innovative Approach to Chiral 3-Amino-2-oxindoles. <i>Synlett</i> , 2018, 29, 497-502.	1.0	5
17	Efficient S-Acylation of Thiourea. <i>SynOpen</i> , 2018, 02, 0263-0267.	0.8	0
18	Tracking Cocrystallization of Active Pharmaceutical Ingredients with Benzoic Acid Coformer Using Broadband Acoustic Resonance Dissolution Spectroscopy (BARDS). <i>Crystal Growth and Design</i> , 2018, 18, 6528-6537.	1.4	3

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19	Cocrystals and a Salt of the Bioactive Flavonoid: Naringenin. <i>Crystal Growth and Design</i> , 2018, 18, 4571-4577.	1.4	23
20	Synthesis of Cyclic $\alpha$ -Diazo- $\beta$ -keto Sulfoxides in Batch and Continuous Flow. <i>Journal of Organic Chemistry</i> , 2017, 82, 3666-3679.	1.7	14
21	Enantioselective copper catalysed intramolecular C-H insertion reactions of $\alpha$ -diazo- $\beta$ -keto sulfones, $\alpha$ -diazo- $\beta$ -keto phosphine oxides and 2-diazo-1,3-diketones; the influence of the carbene substituent. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2609-2628.	1.5	12
22	Symmetry assisted tuning of bending and brittle multi-component forms of probenecid. <i>Chemical Communications</i> , 2017, 53, 3381-3384.	2.2	27
23	Hydrolase-mediated resolution of the hemiacetal in 2-chromanols: The impact of remote substitution. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 577-585.	1.8	8
24	Intramolecular Direct Arylation of 1,3-Diketone-Derived Enol Ethers in a Synthesis of Tricyclic Oxoisochromene Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1529-1534.	2.1	9
25	Will they co-crystallize?. <i>CrystEngComm</i> , 2017, 19, 5336-5340.	1.3	67
26	Synthesis and Antiproliferative Activity of Novel Heterocyclic Indole-Trimethoxyphenyl Conjugates. <i>Pharmaceuticals</i> , 2017, 10, 62.	1.7	2
27	The impact of storage conditions upon gentamicin coated antimicrobial implants. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 374-381.	2.4	12
28	Exploring the Scope of Asymmetric Synthesis of $\beta$ -Hydroxy- $\gamma$ -lactams via Noyori-type Reductions. <i>Organic Letters</i> , 2016, 18, 4978-4981.	2.4	14
29	Diversity in a simple co-crystal: racemic and kryptoracemic behaviour. <i>Chemical Communications</i> , 2016, 52, 8309-8312.	2.2	11
30	Methyl tetra-O-acetyl- $\alpha$ -D-glucopyranuronate: crystal structure and influence on the crystallisation of the $\beta$ anomer. <i>Carbohydrate Research</i> , 2016, 425, 35-39.	1.1	3
31	Design and Synthesis of Ternary Cocrystals Using Carboxyphenols and Two Complementary Acceptor Compounds. <i>Crystal Growth and Design</i> , 2016, 16, 59-69.	1.4	40
32	Cinchona-catalysed, Enantioselective Synthesis of $\beta$ -Peroxy-carboxylic Acids, $\beta$ -Peroxyesters and $\beta$ -Peroxyalcohols. <i>Current Organic Chemistry</i> , 2016, 20, 2633-2638.	0.9	2
33	Novel co-crystals of the nutraceutical sinapic acid. <i>CrystEngComm</i> , 2015, 17, 4832-4841.	1.3	39
34	Demonstrating the Influence of Solvent Choice and Crystallization Conditions on Phenacetin Crystal Habit and Particle Size Distribution. <i>Organic Process Research and Development</i> , 2015, 19, 1826-1836.	1.3	35
35	Investigating C-H...I Halogen Bonding for Cocrystallization with Primary Thioamides. <i>Crystal Growth and Design</i> , 2015, 15, 3442-3451.	1.4	27
36	Asymmetric Aldol-Tishchenko Reaction of Sulfinimines. <i>Organic Letters</i> , 2015, 17, 5642-5645.	2.4	20

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37	Cocrystallization of Nutraceuticals. <i>Crystal Growth and Design</i> , 2015, 15, 984-1009.	1.4	87
38	Synthetic and Mechanistic Aspects on the Competition between C-H Insertion and Hydride Transfer in Copper-Mediated Transformations of $\beta$ -Diazo- $\beta$ -Keto Sulfones. <i>Synlett</i> , 2014, 25, 591-595.	1.0	6
39	Pd-catalysed intramolecular regioselective arylation of 2-pyrones, pyridones, coumarins and quinolones by C-H bond functionalization. <i>Tetrahedron</i> , 2014, 70, 7120-7127.	1.0	29
40	Insight into the Mechanism of Formation of Channel Hydrates via Templating. <i>Crystal Growth and Design</i> , 2014, 14, 1158-1166.	1.4	10
41	Catalyst and substituent effects on the rhodium(II)-catalysed intramolecular Buchner reaction. <i>Tetrahedron</i> , 2014, 70, 6870-6878.	1.0	22
42	Enantioselective copper catalysed C-H insertion reaction of 2-sulfonyl-2-diazoacetamides to form $\beta$ -lactams. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7612-7628.	1.5	25
43	Supramolecular stacking motifs in the solid state of amide and triazole derivatives of cellobiose. <i>Carbohydrate Research</i> , 2014, 388, 67-72.	1.1	1
44	Crystal Landscape of Primary Aromatic Thioamides. <i>Crystal Growth and Design</i> , 2014, 14, 2753-2762.	1.4	28
45	Investigation of steric and electronic effects in the copper-catalysed asymmetric oxidation of sulfides. <i>Tetrahedron</i> , 2013, 69, 10168-10184.	1.0	29
46	Co-crystallisation through halogen bonding with racemic or enantiopure sulfinamides. <i>CrystEngComm</i> , 2013, 15, 7571.	1.3	6
47	Synthetic approaches to the daucane sesquiterpene derivatives employing the intramolecular Buchner cyclisation of $\beta$ -diazoketones. <i>Tetrahedron</i> , 2013, 69, 1778-1794.	1.0	16
48	Hydrogen bonding in crystal forms of primary amide functionalised glucose and cellobiose. <i>Carbohydrate Research</i> , 2013, 374, 29-39.	1.1	7
49	Crystal Polymorphism of Methyl 2,3,4-tri-O-acetyl-1-O-(trichloroacetimidoyl)- $\beta$ -D-glucopyranuronate. <i>Journal of Chemical Crystallography</i> , 2013, 43, 138-143.	0.5	3
50	Structure-function analysis of the C-3 position in analogues of microbial behavioural modulators HHQ and PQS. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8903.	1.5	39
51	Investigating the influence of the sulfur oxidation state on solid state conformation. <i>CrystEngComm</i> , 2012, 14, 7848.	1.3	0
52	Understanding the <i>p</i> -Toluenesulfonamide/Triphenylphosphine Oxide Crystal Chemistry: A New 1:1 Cocrystal and Ternary Phase Diagram. <i>Crystal Growth and Design</i> , 2012, 12, 869-875.	1.4	26
53	Utilizing Sulfoxide- $\cdots$ -Iodine Halogen Bonding for Cocrystallization. <i>Crystal Growth and Design</i> , 2012, 12, 2969-2977.	1.4	25
54	Preparation and characterisation of solid state forms of paracetamol-O-glucuronide. <i>Carbohydrate Research</i> , 2012, 349, 108-112.	1.1	12

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55	Characterisation, solubility and intrinsic dissolution behaviour of benzamide: dibenzyl sulfoxide cocrystal. <i>International Journal of Pharmaceutics</i> , 2012, 422, 24-32.	2.6	36
56	Cocrystals of Fenamic Acids with Nicotinamide. <i>Crystal Growth and Design</i> , 2011, 11, 3522-3528.	1.4	100
57	Unzipping the Dimer in Primary Amides by Cocrystallization with Sulfoxides. <i>Crystal Growth and Design</i> , 2011, 11, 4433-4439.	1.4	11
58	A practical chemo-enzymatic approach to highly enantio-enriched cyanohydrin acetates. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 2144-2150.	1.8	4
59	Expanding the crystal landscape of isonicotinamide: concomitant polymorphism and co-crystallisation. <i>CrystEngComm</i> , 2011, 13, 6923.	1.3	45
60	The Use of Co-crystals for the Determination of Absolute Stereochemistry: An Alternative to Salt Formation. <i>Journal of Organic Chemistry</i> , 2011, 76, 1159-1162.	1.7	17
61	Addition-substitution reactions of 2-thio-3-chloroacrylamides with carbon, nitrogen, oxygen, sulfur and selenium nucleophiles. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2452.	1.5	16
62	Evaluation of the Bruker SMART X2S: crystallography for the nonspecialist?. <i>Journal of Applied Crystallography</i> , 2011, 44, 213-215.	1.9	33
63	Solid-state characterization of novel active pharmaceutical ingredients: Cocrystal of a salbutamol hemiadipate salt with adipic acid (2:1:1) and salbutamol hemisuccinate salt. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3268-3283.	1.6	33
64	Synthesis and NMR Binding Studies towards Rational Design of a Series of Electron-Withdrawing Diamide Receptors/Organocatalysts. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1125-1132.	1.2	14
65	Synthesis of enantioenriched sulfoxides. <i>Arkivoc</i> , 2011, 2011, 1-110.	0.3	91
66	Diastereoselective sulfur oxidation of 2-thio-3-chloroacrylamides. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 871-884.	1.8	15
67	Efficient kinetic bioresolution of 2-nitrocyclohexanol. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1011-1016.	1.8	15
68	Synthesis and stereoselective oxidation of 1-thio-2-chloropropenyloxazolidin-2-ones. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2550-2558.	1.8	5
69	Mimics of a R <sub>2</sub> C <sup>2</sup> (8) Hydrogen-Bond Dimer Motif: Synthesis and Influence on the Crystallisation of Sulfathiazole and Sulfapyridine. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1134-1141.	1.2	3
70	1,3-Dipolar cycloadditions of 2-thio-3-chloroacrylamides with nitrile oxides and nitrones. <i>Tetrahedron</i> , 2010, 66, 4564-4572.	1.0	15
71	Synthesis of 3-halo-analogues of HHQ, subsequent cross-coupling and first crystal structure of <i>Pseudomonas</i> quinolone signal (PQS). <i>Tetrahedron Letters</i> , 2010, 51, 5919-5921.	0.7	30
72	Highly Enantioselective Intramolecular Copper Catalyzed C-H Insertion Reactions of 1-Diazosulfones. <i>Journal of the American Chemical Society</i> , 2010, 132, 1184-1185.	6.6	75

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73	1,3-Dipolar cycloadditions of 2-thio-3-chloroacrylamides with diazoalkanes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2735.	1.5	26
74	The influence of reaction conditions on the Diels-Alder cycloadditions of 2-thio-3-chloroacrylamides; investigation of thermal, catalytic and microwave conditions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5602.	1.5	21
75	Sulfoxides: Potent Co-Crystal Formers. <i>Crystal Growth and Design</i> , 2010, 10, 4243-4245.	1.4	25
76	Crystal Polymorphs and Transformations of 2-Iodo-4-nitroaniline. <i>Crystal Growth and Design</i> , 2010, 10, 4303-4309.	1.4	5
77	Does intermolecular S-H...C=O hydrogen bonding in sulfoxides and sulfones provide a robust supramolecular synthon in the solid state?. <i>CrystEngComm</i> , 2010, 12, 2910.	1.3	16
78	Convenient and robust one-pot synthesis of symmetrical and unsymmetrical benzyl thioethers from benzyl halides using thiourea. <i>Arkivoc</i> , 2010, 2010, 216-228.	0.3	16
79	Synthesis of aryl benzyl NH-sulfoximines. <i>Tetrahedron</i> , 2009, 65, 10660-10670.	1.0	18
80	Investigation of the chemoselective and enantioselective oxidation of $\alpha$ -thio- $\beta$ -chloroacrylamides. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1256-1273.	1.8	13
81	Coaxial metal and magnetic alloy nanotubes in polycarbonate templates by electroless deposition. <i>Electrochemistry Communications</i> , 2008, 10, 1419-1422.	2.3	36
82	Effect of 1-Deoxy-D-lactose upon the Crystallization of D-Lactose. <i>Crystal Growth and Design</i> , 2008, 8, 3927-3934.	1.4	18
83	Chemoselectivity and Enantioselectivity in Copper-Catalysed Oxidation of Aryl Benzyl Sulfides. <i>Synlett</i> , 2007, 2007, 1501-1506.	1.0	4
84	Impact of sulfur substituents on the C-H...O interaction of terminal alkynes in crystal engineering. <i>CrystEngComm</i> , 2007, 9, 1041.	1.3	12
85	Monomeric and polymeric derivatives of 5-aminoisophthalic acid as selective inhibitors of the $\beta$ -polymorph of L-glutamic acid. <i>CrystEngComm</i> , 2007, 9, 72-77.	1.3	13
86	Crystal polymorphism of pharmaceuticals: probing crystal nucleation at the molecular level. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 550-555.	2.5	4
87	Synthetic and X-ray diffraction studies of borosiloxane cages $[\text{R}_2\text{Si}(\text{ORBO})_3\text{SiR}_2]$ and the adducts of $[\text{ButSi}\{\text{O}(\text{PhB})\text{O}\}_3\text{SiBut}]$ with pyridine or N,N,N',N'-tetramethylethylenediamine. <i>Polyhedron</i> , 2007, 26, 2482-2492.	1.0	18
88	Effect of the steric demand and hydrogen bonding capability of additives on the crystal polymorphism of sulfathiazole. <i>CrystEngComm</i> , 2006, 8, 327.	1.3	14
89	Asymmetric Synthesis of Aryl Benzyl Sulfoxides by Vanadium-Catalysed Oxidation: A Combination of Enantioselective Sulfide Oxidation and Kinetic Resolution in Sulfoxide Oxidation. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4500-4509.	1.2	33
90	Kinetic Resolution in Vanadium-Catalyzed Sulfur Oxidation as an Efficient Route to Enantiopure Aryl Benzyl Sulfoxides. <i>Synlett</i> , 2006, 2006, 1569-1573.	1.0	2

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91	Structural Control of Mesoporous Silica Nanowire Arrays in Porous Alumina Membranes. <i>Chemistry of Materials</i> , 2004, 16, 4851-4855.	3.2	110
92	4-Bromophenylboronate Derivatives of Ring and Cage Borosilicates. <i>Collection of Czechoslovak Chemical Communications</i> , 2002, 67, 1051-1060.	1.0	19
93	Synthesis, crystal and molecular structures of three triphenylsilanol amine adducts. <i>Polyhedron</i> , 2002, 21, 1689-1694.	1.0	13
94	Dynamic Equilibria in the Products of Intramolecular Buchner Additions of Diazoketones to Aryl Rings Bearing Methoxy Substituents. <i>Journal of Organic Chemistry</i> , 2001, 66, 7166-7177.	1.7	45
95	4-Ethynyl-1,2-methylenedioxybenzene at 150 K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 412-413.	0.4	1
96	Synthesis and structure verification of an analogue of kuanoniamine A. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 437-442.	0.9	33
97	Lewis acid mediated elimination and rearrangement reactions of $\beta$ -chlorosulfides derived from phenylthio-substituted 4,5-dihydrofuran-3(2H)-ones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 3667-3675.	0.9	9
98	Rhodium catalysed decomposition of $\beta$ -diazosulfoxides: Formation of $\beta$ -oxo sulfines as intermediates. <i>Tetrahedron Letters</i> , 1998, 39, 3849-3852.	0.7	19
99	Orthopalladated triaryl phosphite complexes as highly active catalysts in biaryl coupling reactions. <i>Chemical Communications</i> , 1998, , 2095-2096.	2.2	176
100	Synthesis and characterisation of chelating polycarboxylate ligands capable of forming intermolecular, complementary triple hydrogen bonds. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1869-1878.	1.1	17
101	Platinum(II) phosphine complexes of dicarboxylates and ammonia: crystal structures of $[\{Pt(PPh_3)_2\}_2\{\mu-1,3-(O_2C)_2C_6H_4\}_2]$ , $[\{Pt(PPh_3)_2(NH_3)\}_2\{\mu-1,4-(O_2C)_2C_6H_4\}][PF_6]_2$ and $cis-[Pt(PPh_3)_2(NH_3)_2][NO_3]_2$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 1295-1300.	1.1	21
102	Synthesis and characterisation of three Group 10 metal dithiadiazolyl complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 377-384.	1.1	11
103	A cluster model for the catalytic hydrogenation of CFCs and the synthesis and structural characterisation (when X = Br) of $[Pd_4(\frac{1}{4}CF)(\frac{1}{4}X)_3(PBu_3)_4](X = Cl, Br)$ . <i>Chemical Communications</i> , 1997, , 285-286.	2.2	7
104	Hydrogen-Bonded Complexes of Aromatic Crown Ethers with (9-Anthracenyl)methylammonium Derivatives. <i>Supramolecular Photochemistry and Photophysics. pH-Controllable Supramolecular Switching</i> . <i>Journal of the American Chemical Society</i> , 1997, 119, 10641-10651.	6.6	127
105	Reaction of $[SNS][AsF_6]$ with $Hg(CN)_2$ and $PhHgCN$ : Preparation and crystal structures of $[Hg(\eta^2)[AsF_6]_2]$ and $[PhS_4N_3Ph][AsF_6]$ . <i>Polyhedron</i> , 1996, 15, 1877-1886.	1.0	9
106	Tin-119 NMR shielding anisotropy and molecular structure. <i>Journal of Molecular Structure</i> , 1995, 347, 309-319.	1.8	23
107	The preparation and X-ray crystal structure of the first metal $\beta$ -1,3,2,4-dithiadiazolylum salt, $[Hg(CNSNS)_2][AsF_6]_2$ , a transfer agent for the dithiadiazolylum ring. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 29-30.	2.0	9
108	Novel bonding modes in metallo $\beta$ -dithiadiazolylum complexes: preparation and crystal structures of $[Pt(SNCPHS-S,S)(PPh_3)_2]\cdot MeCN$ and $[Pt_3(\mu-SNCPHS-S,S)_2(PPh_3)_4]\cdot 2PhMe$ . <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1779-1780.	2.0	21