

# Philip Dyer

## List of Publications by Year in descending order

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70  
papers

2,102  
citations

304368

22  
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253896

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75  
all docs

75  
docs citations

75  
times ranked

2300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of butanol to propene in flow: A triple dehydration, isomerisation and metathesis cascade. <i>Catalysis Communications</i> , 2022, 164, 106421.	1.6	2
2	Process-oriented approach towards catalyst design and optimisation. <i>Catalysis Communications</i> , 2022, 163, 106392.	1.6	2
3	Opening the <i>Egg Box</i> : NMR spectroscopic analysis of the interactions between s-block cations and kelp monosaccharides. <i>Dalton Transactions</i> , 2021, 50, 13246-13255.	1.6	3
4	Solution-state behaviour of algal mono-uronates evaluated by pure shift and compressive sampling NMR techniques. <i>Carbohydrate Research</i> , 2020, 495, 108087.	1.1	1
5	Additives boosting the performance of tungsten imido-mediated ethylene dimerization systems for industrial application. <i>Chemical Communications</i> , 2020, 56, 6886-6889.	2.2	6
6	Activated Niobium and Tantalum Imido Complexes: From Tuneable Polymerization to Selective Ethylene Dimerization Systems. <i>ChemCatChem</i> , 2019, 11, 1756-1764.	1.8	3
7	Species variation in the effects of dewatering treatment on macroalgae. <i>Journal of Applied Phycology</i> , 2018, 30, 2305-2316.	1.5	17
8	Analysis of air-, moisture- and solvent-sensitive chemical compounds by mass spectrometry using an inert atmospheric pressure solids analysis probe. <i>European Journal of Mass Spectrometry</i> , 2018, 24, 74-80.	0.5	4
9	The Role of Catalyst Support, Diluent and Co-Catalyst in Chromium-Mediated Heterogeneous Ethylene Trimerisation. <i>Topics in Catalysis</i> , 2018, 61, 213-224.	1.3	8
10	Ketone Formation via Decarboxylation Reactions of Fatty Acids Using Solid Hydroxide/Oxide Catalysts. <i>Inorganics</i> , 2018, 6, 121.	1.2	7
11	Bis(Imido) Tungsten Complexes: Efficient Precatalysts for the Homogeneous Dimerization of Ethylene. <i>ACS Catalysis</i> , 2018, 8, 11249-11263.	5.5	10
12	Exploration of Homogeneous Ethylene Dimerization Mediated by Tungsten Mono(imido) Complexes. <i>ACS Catalysis</i> , 2018, 8, 11235-11248.	5.5	9
13	Biodiesel Production via Trans-Esterification Using <i>Pseudomonas cepacia</i> Immobilized on Cellulosic Polyurethane. <i>ACS Omega</i> , 2018, 3, 6804-6811.	1.6	23
14	Dewatering treatments to increase dry matter content of the brown seaweed, kelp ( <i>Laminaria digitata</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.8	22
15	Changes in higher heating value and ash content of seaweed during ensiling. <i>Journal of Applied Phycology</i> , 2017, 29, 1037-1046.	1.5	12
16	An Improved Test Facility for Studying Deposit Fouling on Steam Turbine Blades. , 2016, , .		0
17	Phosphanyl Methanimine (PCN) Ligands for the Selective Trimerization/Tetramerization of Ethylene with Chromium. <i>ACS Catalysis</i> , 2015, 5, 7095-7098.	5.5	44
18	Macroalgae-Derived Biofuel: A Review of Methods of Energy Extraction from Seaweed Biomass. <i>Energies</i> , 2014, 7, 7194-7222.	1.6	246

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19	Combined DFT and experimental studies of C=C and C=X elimination reactions promoted by a chelating phosphine-alkene ligand: the key role of penta-coordinate PdII. Dalton Transactions, 2014, 43, 11165.	1.6	14
20	An Introduction to Pyrolysis and Catalytic Pyrolysis: Versatile Techniques for Biomass Conversion. , 2013, , 173-208.		52
21	Copper(II)-mediated thermolysis of alginates: a model kinetic study on the influence of metal ions in the thermochemical processing of macroalgae. Interface Focus, 2013, 3, 20120046.	1.5	41
22	Thermochemical processing of macroalgae: a late bloomer in the development of third-generation biofuels?. Biofuels, 2012, 3, 441-461.	1.4	74
23	Application of molybdenum bis(imido) complexes in ethylene dimerisation catalysis. Dalton Transactions, 2012, 41, 5502.	1.6	14
24	Hydroformylation by Pt-Sn compounds from N-heterocyclic stannylenes. Dalton Transactions, 2012, 41, 7457.	1.6	15
25	Phosphine-alkene ligand-mediated alkyl and alkyl-halide elimination processes from palladium(II). Chemical Communications, 2012, 48, 10413.	2.2	12
26	Insoluble Perfluoroalkylated Polymers: New Solid Supports for Supported Fluorous Phase Catalysis. Advanced Synthesis and Catalysis, 2010, 352, 2241-2250.	2.1	18
27	Exploiting Non-Innocent Ligands to Prepare Masked Palladium(0) Complexes. Angewandte Chemie - International Edition, 2010, 49, 7040-7044.	7.2	28
28	Exploring the reactivity of tungsten bis(imido) dimethyl complexes with methyl aluminium reagents: implications for ethylene dimerization. Dalton Transactions, 2010, 39, 7038.	1.6	18
29	Dalton Discussion 12: Catalytic C-H and C-X bond activation (DD12). Dalton Transactions, 2010, 39, 10335.	1.6	2
30	From Cyclic Iminophosphanes to $\pi$ -Conjugated Materials. Angewandte Chemie - International Edition, 2009, 48, 9109-9113.	7.2	12
31	Bridging $\text{M} \cdots \text{Cl}$ Bonds with Ambiphilic Phosphine-Borane Ligands. Chemistry - an Asian Journal, 2009, 4, 428-435.	1.7	50
32	Ambiphilic Diphosphine-Borane Ligands: Metal-Borane Interactions within Isoelectronic Complexes of Rhodium, Platinum and Palladium. Chemistry - A European Journal, 2008, 14, 731-740.	1.7	156
33	A Truly Multifunctional Heterocycle: Iminophosphorane, N-P...Chelate, and Dihydropyridine. Angewandte Chemie - International Edition, 2008, 47, 8674-8677.	7.2	13
34	Rigid N-Phosphino Guanidine P,N Ligands and Their Use in Nickel-Catalyzed Ethylene Oligomerization. Organometallics, 2008, 27, 5082-5087.	1.1	78
35	German Support of Lenin During World War I. Australian Journal of Politics and History, 2008, 30, 46-55.	0.1	0
36	N-Phosphino-amidines and -guanidines: synthesis, structure and P,N-chelate chemistry. Dalton Transactions, 2008, , 1043.	1.6	11

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37	Quasi-Thermoneutral P $\pi$ B Interactions within Di- and Tri-Phosphine Boranes. <i>Inorganic Chemistry</i> , 2007, 46, 5149-5151.	1.9	93
38	Chelating N-pyrrolylphosphino-N $\pi$ -aryldimine ligands: synthesis, ligand behaviour and applications in catalysis. <i>Dalton Transactions</i> , 2006, , 5362-5378.	1.6	36
39	Concise syntheses of tridentate PNE ligands and their coordination chemistry with palladium(ii) : a solution- and solid-state study. <i>Dalton Transactions</i> , 2006, , 4134.	1.6	16
40	The synthesis and catalytic application of spacer-modified diol-functionalised Merrifield resins. <i>Tetrahedron Letters</i> , 2005, 46, 4753-4756.	0.7	7
41	The Synthesis and Catalytic Application of Spacer-Modified Diol-Functionalized Merrifield Resins.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
42	Sterically-Controlled Regioselective para-Substitutions of Aniline.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
43	Diphenylphosphino(phenyl pyridin-2-yl methylene)amine palladium(II) complexes: Chemoselective alkene hydrocarboxylation initiators. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5264-5281.	0.8	19
44	Sterically-controlled regioselective para-substitutions of aniline. <i>Chemical Communications</i> , 2005, , 3835.	2.2	5
45	Polymerisation of methyl methacrylate in supercritical difluoromethane. <i>Green Chemistry</i> , 2004, 6, 81.	4.6	5
46	The oxidative addition of a chlorophosphine to Pd0: formation and characterisation of a 42-electron triangulo palladium cluster Electronic supplementary information (ESI) available: General considerations and syntheses. See <a href="http://www.rsc.org/suppdata/dt/b4/b408519a/">http://www.rsc.org/suppdata/dt/b4/b408519a/</a> . <i>Dalton Transactions</i> , 2004, , 2400.	1.6	15
47	Theoretical Study of Rhodium(I) Carbene Complexes: The Structural Versatility of Phosphino- Compared with Aminocarbenes. <i>Chemistry - A European Journal</i> , 2003, 9, 5858-5864.	1.7	16
48	Linear organic $\pi$ -conjugated systems featuring the heavy Group 14 and 15 elements. <i>Coordination Chemistry Reviews</i> , 2003, 244, 1-44.	9.5	324
49	The First Coordination of an ( $\pi$ -Diazo)phosphine to a Transition-Metal Center. <i>Organometallics</i> , 2003, 22, 1358-1360.	1.1	4
50	Exploring the coordination chemistry and reactivity of dialkylamino- and bis(dialkylamino)-phosphines in the coordination sphere of metals. <i>Dalton Transactions</i> , 2003, , 104-113.	1.6	57
51	Stable (Aryl)(phosphino)carbenes: A New Ligands for Transition Metals. <i>Journal of the American Chemical Society</i> , 2002, 124, 11834-11835.	6.6	47
52	The $\pi$ -one-pot <sup>TM</sup> syntheses of $\pi$ -diphosphino-substituted imines: a unique reaction of bulky bis(dialkylamino)chlorophosphines. <i>New Journal of Chemistry</i> , 2001, 25, 591-596.	1.4	9
53	Dibenzylbis(tert-butylimido)molybdenum(VI), containing both $\pi$ -1- and $\pi$ -2-benzyl ligands. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 916-918.	0.4	4
54	Effect of weak hydrogen bonding and included solvent on the crystal structure of the square-planar complex trans-Pt{PPh <sub>2</sub> (C <sub>16</sub> H <sub>15</sub> ) <sub>2</sub> }Cl <sub>2</sub> . <i>New Journal of Chemistry</i> , 1998, 22, 1311-1313.	1.4	7

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55	A remarkable example of co-crystallisation: the crystal structure of the mononuclear and dinuclear diphenyl[2.2]paracyclophanylphosphine palladium(II) chloride complexes trans-[Pd{PPh <sub>2</sub> (C <sub>16</sub> H <sub>15</sub> )} <sub>2</sub> Cl <sub>2</sub> ]. <i>Chemical Communications</i> , 1998, , 1375-1376.	2.2	14
56	The First Structural Characterization of a [2.2]PHANEPHOS <sup>+</sup> Transition-Metal Complex: $\Delta$ Structure of frac-[Pd(4,12-bis(diphenylphosphino)[2.2]paracyclophane)Cl <sub>2</sub> ]. <i>Organometallics</i> , 1998, 17, 4344-4346.	1.1	20
57	Molybdenum(VI) complexes containing differing cis multiply-bonded ligands: Some structural consequences of competing $\pi$ -donor groups. <i>Polyhedron</i> , 1996, 15, 3001-3008.	1.0	30
58	Mechanistic Study of the Calcination of Supported Chromium(III) Precursors for Ethene Polymerization Catalysts. <i>The Journal of Physical Chemistry</i> , 1996, 100, 11062-11066.	2.9	27
59	Four coordinate molybdenum alkene and alkyne complexes bearing ancillary imido ligands. <i>Polyhedron</i> , 1995, 14, 103-111.	1.0	39
60	Unexpected synthesis of a binuclear chromium(III) salt exhibiting N $\pi$ -H $\sigma$ Cl hydrogen-bonding interactions. <i>Polyhedron</i> , 1995, 14, 3095-3098.	1.0	8
61	A new reaction involving 1,5-diazabicyclo[4.3.0]non-5-ene as a nucleophile and a two proton donor. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2339.	2.0	11
62	Four-versus five-coordinate bis(imido) alkene complexes of molybdenum: the contrasting effects of tert-butyl- and 2,6-diisopropylphenyl-imido substituents. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 3313.	1.1	24
63	N-Cyano-P-hydrogenoiminophosphorane-Trimethylchlorostannane Adducts [R <sub>2</sub> P(H):N-C $\pi$ bond.N $\cdot$ Me <sub>3</sub> SnCl] and Related Species: Building Blocks for Bis(carbodiimides) of Phosphorus. <i>Inorganic Chemistry</i> , 1994, 33, 5639-5642.	1.9	11
64	Novel bis(imido) complexes of molybdenum(VI): precursors to new alkene metathesis catalysts. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2247.	2.0	31
65	A versatile route to well-defined molybdenum metathesis catalysts via mixed imido precursors: the molecular structure of [Mo(N-2,6-Pri <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )(N-But)(CH <sub>2</sub> CMe <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2547.	2.0	42
66	Synthesis, structural characterisation and reactivity of the d <sup>2</sup> pseudo-metallocene complex Mo(N-2,6-iPr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ) <sub>2</sub> (PMe <sub>3</sub> ) <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , 1993, 462, C15-C17.	0.8	13
67	Four coordinate bis(imido) alkene complexes of molybdenum(IV): relatives of the zirconocene family. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1666.	2.0	60
68	The Rise of Organophosphorus Derivatives in $\pi$ -Conjugated Materials Chemistry. <i>Topics in Current Chemistry</i> , 0, , 127-163.	4.0	74
69	Design of $\pi$ -Conjugated Systems Using Organophosphorus Building Blocks. , 0, , 119-177.		0
70	Selective dimerisation of 1-hexene mediated by aluminium alkyl chloride-activated tungsten imido complexes. <i>Catalysis Science and Technology</i> , 0, , .	2.1	1