Paul G Hayes

List of Publications by Year
in descending order

58 papers	3,227 citations	186265 28 h-index	175258 52 g-index
58 all docs	58 docs citations	58 times ranked	1755 citing authors

#	Article	IF	Citations
1	Complexes of Mg, Ca and Zn as homogeneous catalysts for lactide polymerization. Dalton Transactions, 2009, , 4832.	3.3	418
2	Synthetic Development and Chemical Reactivity of Transition-Metal Silylene Complexes. Accounts of Chemical Research, 2007, 40, 712-719.	15.6	322
3	Cationic Scandium Methyl Complexes Supported by a Î²-Diketiminato (â€œNacnacâ€) Ligand Framework. Journal of the American Chemical Society, 2002, 124, 2132-2133.	13.7	206
4	Dialkylscandium Complexes Supported by Î²-Diketiminato Ligands:Â Synthesis, Characterization, and Thermal Stability of a New Family of Organoscandium Complexes. Organometallics, 2001, 20, 2533-2544.	2.3	201
5	Scandium-Catalyzed Intramolecular Hydroamination. Development of a Highly Active Cationic Catalyst. Organometallics, 2004, 23, 2234-2237.	2.3	165
6	A New Chelating Anilido-Imine Donor Related to Î²-Diketiminato Ligands for Stabilization of Organoyttrium Cations. Organometallics, 2003, 22, 1577-1579.	2.3	148
7	Cationic Organoscandium Î²-Diketiminato Chemistry:Â Arene Exchange Kinetics in Solvent Separated Ion Pairs. Journal of the American Chemical Society, 2003, 125, 5622-5623.	13.7	133
8	Cyclometalative Câ€“H bond activation in rare earth and actinide metal complexes. Chemical Society Reviews, 2013, 42, 1947-1960.	38.1	133
9	Hydrogen-Substituted Osmium Silylene Complexes:Â Effect of Charge Localization on Catalytic Hydrosilation. Journal of the American Chemical Society, 2006, 128, 428-429.	13.7	128
10	Cationic zinc complexes: a new class of catalyst for living lactide polymerization at ambient temperature. Chemical Communications, 2010, 46, 8404.	4.1	99
11	Synthesis, Structure, and Ion Pair Dynamics of Î²-Diketiminato-Supported Organoscandium Contact Ion Pairs. Organometallics, 2005, 24, 1173-1183.	2.3	92
12	Activated Zinc Complexes Supported by a Neutral, Phosphinimine-Containing Ligand: Synthesis and Efficacy for the Polymerization of Lactide. Organometallics, 2009, 28, 1282-1285.	2.3	91
13	Cationic Organomagnesium Complexes as Highly Active Initiators for the Ring-Opening Polymerization of Îµ-Caprolactone. Organometallics, 2010, 29, 1079-1084.	2.3	81
14	Synthesis, Structure, and Reactivity of Neutral Hydrogen-Substituted Ruthenium Silylene and Germylene Complexes. Organometallics, 2009, 28, 5082-5089.	2.3	70
15	A Hydrogen-Substituted Osmium Stannylene Complex: Isomerization to a Metallostannylene Complex via an Unusual Î±-Hydrogen Migration from Tin to Osmium. Journal of the American Chemical Society, 2009, 131, 4606-4607.	13.7	64
16	Cationic organozinc complexes of a bis(phosphinimine) pincer ligand: synthesis, structural and polymerization studies. Dalton Transactions, 2010, 39, 3861.	3.3	63
17	The Osmiumâ€“Silicon Triple Bond: Synthesis, Characterization, and Reactivity of an Osmium Silylyne Complex. Journal of the American Chemical Society, 2013, 135, 11780-11783.	13.7	62
18	Toward Stereoselective Lactide Polymerization Catalysts: Cationic Zinc Complexes Supported by a Chiral Phosphinimine Scaffold. Inorganic Chemistry, 2011, 50, 8063-8072.	4.0	58

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19	Synthesis and Reactivity of Dialkyl Lutetium Complexes Supported by a Novel Bis(phosphinimine)carbazole Pincer Ligand. Organometallics, 2009, 28, 6352-6361.	2.3	56
20	Arene Complexes of Î²-Diketiminato Supported Organoscandium Cations: Mechanism of Arene Exchange and Alkyne Insertion in Solvent Separated Ion Pairs. Chemistry - A European Journal, 2007, 13, 2632-2640.	3.3	44
21	Thermally stable rare earth dialkyl complexes supported by a novel bis(phosphinimine)pyrrole ligand. Dalton Transactions, 2012, 41, 7873.	3.3	41
22	Exploring the versatility of a bis(phosphinimine) pincer ligand: effect of sterics on structure and lactide polymerization activity of cationic zinc complexes. Catalysis Science and Technology, 2012, 2, 125-138.	4.1	40
23	Accelerated Ligand Metalation in a Î²-Diketiminato Scandium Dimethyl Complex Activated with Bis(pentafluorophenyl)borane. Organometallics, 2007, 26, 4464-4470.	2.3	38
24	DESIGNING CATIONIC ZINC AND MAGNESIUM CATALYSTS FOR COORDINATIONâ€“INSERTION POLYMERIZATION OF LACTIDE. Comments on Inorganic Chemistry, 2011, 32, 127-162.	5.2	34
25	Bis(pyrazolyl)carbazole as a Versatile Ligand for Supporting Lutetium Alkyl and Hydride Complexes. Organometallics, 2014, 33, 3005-3011.	2.3	34
26	Ring-opening polymerisation of rac-lactide mediated by cationic zinc complexes featuring P-stereogenic bisphosphinimine ligands. Dalton Transactions, 2012, 41, 3701.	3.3	32
27	Kinetic and Mechanistic Investigation of Metallacycle Ring Opening in an Ortho-Metalated Lutetium Aryl Complex. Organometallics, 2011, 30, 58-67.	2.3	31
28	Reactions of a Borataalkene Ligand at Tantalocene Centers:Â Isonitrile Insertion into the Bâ^'C Bond of the [CH2B(C6F5)2] Ligand via the Î·1Bonding Mode. Organometallics, 2002, 21, 2422-2425.	2.3	29
29	Differences in the cyclometalation reactivity of bisphosphinimine-supported organo-rare earth complexes. Dalton Transactions, 2014, 43, 10739-10750.	3.3	26
30	Solid-State Nuclear Magnetic Resonance Spectroscopy: A Review of Modern Techniques and Applications for Inorganic Polymers. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 183-212.	3.7	25
31	Four-coordinate erbium organometallic and coordination complexes: Synthesis and structure. Journal of Organometallic Chemistry, 2010, 695, 2747-2755.	1.8	20
32	Highly Active and Diastereoselective N,Oâ€•and N,Nâ€Ÿttrium Complexes for Intramolecular Hydroamination. Advanced Synthesis and Catalysis, 2011, 353, 1384-1390.	4.3	20
33	Facile Activation and Deoxygenative Metathesis of CO. Organometallics, 2018, 37, 3248-3252.	2.3	19
34	Organolutetium-Mediated Dearomatization and Functionalization of Pyrimidine Rings. Organometallics, 2013, 32, 4046-4049.	2.3	18
35	Elucidation of the resting state of a rhodium NNN-pincer hydrogenation catalyst that features a remarkably upfield hydride ¹H NMR chemical shift. Chemical Communications, 2016, 52, 586-589.	4.1	18
36	A cascade reaction: ring-opening insertion of dioxaphospholane into lutetium alkyl bonds. Dalton Transactions, 2014, 43, 2448-2457.	3.3	16

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37	Yttrium and scandium complexes of a bulky bis(phosphinimine)carbazole ligand. Inorganica Chimica Acta, 2014, 422, 209-217.	2.4	16
38	An Hâ€Substituted Rhodium Silylene. Chemistry - A European Journal, 2019, 25, 8203-8207.	3.3	16
39	31P MAS NMR Spectroscopy of Hexachlorocyclotriphosphazene at Different Stages During Thermal Ring-Opening Polymerization. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 395-398.	3.7	14
40	Ligand influence on intramolecular cyclometalation in bis(phosphinimine) rare earth alkyl complexes. Canadian Journal of Chemistry, 2016, 94, 330-341.	1.1	14
41	Reversible dehydrogenation of a primary aryl borane. Chemical Communications, 2020, 56, 12323-12326.	4.1	13
42	Electron deficient zinc complexes: Enhanced lactide polymerization activity achieved through rational ligand design. Journal of Organometallic Chemistry, 2012, 704, 65-69.	1.8	10
43	Insights into the decomposition pathway of a lutetium alkylamido complex via intramolecular Câ€“H bond activation. Journal of Organometallic Chemistry, 2017, 845, 135-143.	1.8	10
44	Consecutive N₂ loss from a uranium diphosphazide complex. Dalton Transactions, 2020, 49, 578-582.	3.3	10
45	A Morphological Study of Poly[bis(trifluoroethoxy)phosphazene] Using High Resolution Solid-State 1H, 19F, 31P and 13C NMR Spectroscopy. Journal of Inorganic and Organometallic Polymers and Materials, 2008, 18, 163-174.	3.7	8
46	Diphosphazide-Supported Trialkyl Thorium(IV) Complex. Organometallics, 2020, 39, 2047-2052.	2.3	8
47	Rare Earth Pincer Complexes: Synthesis, Reaction Chemistry, and Catalysis. Topics in Organometallic Chemistry, 2015, , 93-177.	0.7	6
48	Triamidoamine-supported zirconium: hydrogen activation, Lewis acidity, and rac-lactide polymerization. RSC Advances, 2016, 6, 70581-70585.	3.6	6
49	Actinide Pincer Chemistry. , 2018, , 133-172.		5
50	Synthesis and Structural Diversity of ZnCl₂ and Zn(C₆F₅)₂ Complexes of a Phosphinimine Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2111-2119.	1.2	4
51	Synthesis of Sterically Demanding Bis(phosphinimine) Dibenzofuran Ligands and Subsequent Zinc Metalation. Australian Journal of Chemistry, 2015, 68, 373.	0.9	4
52	Crystal structure of a dimeric Î²-diketiminate magnesium complex. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1754-1756.	0.5	4
53	On the Coordination Chemistry of Bis- and Trisphosphinimine Containing Ligands. , 2021, , 131-157.		2
54	Synthesis and characterization of group 13 dichloride (M = Ga, In), dimethyl (M = Al) and cationic methyl aluminum complexes supported by monoanionic NNN-pincer ligands. New Journal of Chemistry, 2021, 45, 15043-15052.	2.8	1

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55	Thorium(IV) Diphosphazide Complexes: CO2 Insertion into Thâ€“C and Thâ€“N Bonds. Organometallics, 0, , .	2.3	1
56	Frontispiece: An Hâ€Substituted Rhodium Silylene. Chemistry - A European Journal, 2019, 25, .	3.3	0
57	The Coordination Chemistry of Yttrium Complexes Supported by Multidentate Nitrogen Ancillary Ligands. , 2021, , 40-72.		0
58	X-ray crystal structure of [L ₂Ag₃]⁺[OTf]^{â^'}Â·5C₆D₆: a monoanionic bisphosphinimine ligand supported trisilver complex. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 1025-1028.	0.5	0