Andrew S Weller

List of Publications by Year
in descending order

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215 papers	8,194 citations	41627 51 h-index	90395 73 g-index
247 all docs	247 docs citations	247 times ranked	4411 citing authors

#	Article	IF	Citations
1	Metathesis by Partner Interchange in Ïƒâ€Bond Ligands: Expanding Applications of the Ïƒâ€CAM Mechanism. Angewandte Chemie - International Edition, 2022, 61, .	7.2	36
2	Conversion of butanol to propene in flow: A triple dehydration, isomerisation and metathesis cascade. Catalysis Communications, 2022, 164, 106421.	1.6	2
3	Inverse Isotope Effects in Single-Crystal to Single-Crystal Reactivity and the Isolation of a Rhodium Cyclooctane Ïƒ-Alkane Complex. Organometallics, 2022, 41, 284-292.	1.1	6
4	MicroED characterization of a robust cationic Ïƒ-alkane complex stabilized by the [B(3,5-(SF₅)₂C₆H₃)₄]^{â^'} anion, via on-grid solid/gas single-crystal to single-crystal reactivity. Dalton Transactions, 2022, 51, 3661-3665.	1.6	9
5	Orthoâ€F,Fâ€DPEphos: Synthesis and Coordination Chemistry in Rhodium and Gold Complexes, and Comparison with DPEphos. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	4
6	Zintl cluster supported low coordinate Rh(<scp>i</scp>) centers for catalytic H/D exchange between H₂and D₂. Chemical Science, 2022, 13, 7626-7633.	3.7	14
7	Selectivity of Rhâ‹…â‹…â‹…Hâ^'C Binding in a Ïƒâ€Alkane Complex Controlled by the Secondary Microenvironment in the Solid State. Chemistry - A European Journal, 2021, 27, 3177-3183.	1.7	8
8	Ortho-aryl substituted DPEphos ligands: rhodium complexes featuring Câ€“H anagostic interactions and Bâ€“H agostic bonds. Chemical Science, 2021, 12, 8832-8843.	3.7	7
9	Î·²-Alkene Complexes of [Rh(PONOP-ⁱPr)(L)]⁺ Cations (L = COD, NBD,) Tj ETQq1 1 0.784314 rgB [Rh(PONOP-ⁱPr)(Î·-H₂)]⁺. Inorganic Chemistry, 2021, 60, 13903-13912.	1.9	11
10	A Series of Crystallographically Characterized Linear and Branched Ïƒ-Alkane Complexes of Rhodium: From Propane to 3-Methylpentane. Journal of the American Chemical Society, 2021, 143, 5106-5120.	6.6	16
11	Cluster expansion and vertex substitution pathways in nickel germanide Zintl clusters. Chemical Communications, 2021, 57, 7132-7135.	2.2	4
12	Controlled Synthesis of Well-Defined Polyaminoboranes on Scale Using a Robust and Efficient Catalyst. Journal of the American Chemical Society, 2021, 143, 21010-21023.	6.6	12
13	Solidâ€“State Molecular Organometallic Catalysis in Gas/Solid Flow (Flow-SMOM) as Demonstrated by Efficient Room Temperature and Pressure 1-Butene Isomerization. ACS Catalysis, 2020, 10, 1984-1992.	5.5	15
14	A simple cobalt-based catalyst system for the controlled dehydropolymerisation of H₃BÂ·NMeH₂ on the gram-scale. Chemical Communications, 2020, 56, 482-485.	2.2	25
15	Synthesis of Highly Fluorinated Arene Complexes of [Rh(Chelating Phosphine)]⁺ Cations, and their use in Synthesis and Catalysis. Chemistry - A European Journal, 2020, 26, 2883-2889.	1.7	9
16	A Neutral Heteroatomic Zintl Cluster for the Catalytic Hydrogenation of Cyclic Alkenes. Journal of the American Chemical Society, 2020, 142, 18330-18335.	6.6	34
17	Computational Studies of the Solid-State Molecular Organometallic (SMOM) Chemistry of Rh s-Alkane Complexes. Structure and Bonding, 2020, , 183-228.	1.0	6
18	RÃ¼cktitelbild: A Structurally Characterized Cobalt(I) Ïƒâ€Alkane Complex (Angew. Chem. 15/2020). Angewandte Chemie, 2020, 132, 6349-6349.	1.6	0

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19	Amineâ€“Borane Dehydropolymerization Using Rh-Based Precatalysts: Resting State, Chain Control, and Efficient Polymer Synthesis. ACS Catalysis, 2020, 10, 7443-7448.	5.5	20
20	Siâ€“C(sp³) bond activation through oxidative addition at a Rh(<scp>i</scp>) centre. Dalton Transactions, 2020, 49, 5416-5419.	1.6	4
21	Tolerant to air Ïƒ-alkane complexes by surface modification of single crystalline solid-state molecular organometallics using vapour-phase cationic polymerisation: SMOM@polymer. Chemical Communications, 2020, 56, 4328-4331.	2.2	7
22	A Structurally Characterized Cobalt(I) Ïƒâ€Alkane Complex. Angewandte Chemie, 2020, 132, 6236-6240.	1.6	3
23	A Structurally Characterized Cobalt(I) Ïƒâ€Alkane Complex. Angewandte Chemie - International Edition, 2020, 59, 6177-6181.	7.2	25
24	Reversible Encapsulation of Xenon and CH 2 Cl 2 in a Solidâ€State Molecular Organometallic Framework (Guest@SMOM). Angewandte Chemie - International Edition, 2019, 58, 16873-16877.	7.2	15
25	Reversible Encapsulation of Xenon and CH 2 Cl 2 in a Solidâ€State Molecular Organometallic Framework (Guest@SMOM). Angewandte Chemie, 2019, 131, 17029-17033.	1.6	1
26	Room Temperature Acceptorless Alkane Dehydrogenation from Molecular Ïƒ-Alkane Complexes. Journal of the American Chemical Society, 2019, 141, 11700-11712.	6.6	37
27	A d¹⁰ Ag(<scp>i</scp>) amineâ€“borane Ïƒ-complex and comparison with a d⁸ Rh(<scp>i</scp>) analogue: structures on the Î·¹ to Î·²:Î·² continuum. Dalton Transactions, 2019, 48, 9776-9781.	1.6	12
28	The [Rh(Xantphos)]+ catalyzed hydroboration of diphenylacetylene using trimethylamine-borane. Inorganica Chimica Acta, 2019, 491, 9-13.	1.2	7
29	Dehydropolymerization of H₃BÂ·NMeH₂ Using a [Rh(DPEphos)]⁺ Catalyst: The Promoting Effect of NMeH₂. ACS Catalysis, 2019, 9, 3657-3666.	5.5	40
30	Solvent-free anhydrous Li+, Na+ and K+ salts of [B(3,5-(CF3)2C6H3)4]â^', [BArF4]â^'. Improved synthesis and solid-state structures. Dalton Transactions, 2019, 48, 3551-3554.	1.6	35
31	The role of neutral Rh(PONOP)H, free NMe2H, boronium and ammonium salts in the dehydrocoupling of dimethylamine-borane using the cationic pincer [Rh(PONOP)(Î·2-H2)]+ catalyst. Dalton Transactions, 2019, 48, 14724-14736.	1.6	27
32	Amineâ€“Borane Dehydropolymerization: Challenges and Opportunities. Chemistry - A European Journal, 2019, 25, 1379-1390.	1.7	92
33	A General, Rhodiumâ€Catalyzed, Synthesis of Deuterated Boranes and Nâ€Methyl Polyaminoboranes. Chemistry - A European Journal, 2018, 24, 5450-5455.	1.7	27
34	Encapsulation of Crabtree's Catalyst in Sulfonated MIL-101(Cr): Enhancement of Stability and Selectivity between Competing Reaction Pathways by the MOF Chemical Microenvironment. Angewandte Chemie, 2018, 130, 4622-4627.	1.6	7
35	Encapsulation of Crabtree's Catalyst in Sulfonated MILâ€101(Cr): Enhancement of Stability and Selectivity between Competing Reaction Pathways by the MOF Chemical Microenvironment. Angewandte Chemie - International Edition, 2018, 57, 4532-4537.	7.2	52
36	Dehydropolymerization of H₃BÂ·NMeH₂ To Form Polyaminoboranes Using [Rh(Xantphos-alkyl)] Catalysts. Journal of the American Chemical Society, 2018, 140, 1481-1495.	6.6	83

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37	Iron Precatalysts with Bulky Tri(tert â€butyl)cyclopentadienyl Ligands for the Dehydrocoupling of Dimethylamineâ€Borane. Chemistry - A European Journal, 2018, 24, 14127-14136.	1.7	6
38	POP-type ligands: Variable coordination and hemilabile behaviour. Coordination Chemistry Reviews, 2018, 355, 150-172.	9.5	112
39	Modulation of Ïƒ-Alkane Interactions in [Rh(L₂)(alkane)]⁺ Solid-State Molecular Organometallic (SMOM) Systems by Variation of the Chelating Phosphine and Alkane: Access to Î·²,Î·²-Ïƒ-Alkane Rh(I), Î·¹-Ïƒ-Alkane Rh(III) Complexes, and Alkane Encapsulation. Journal of the American Chemical Society, 2018, 140, 14958-14970.	6.6	34
40	Rh(DPEPhos)-Catalyzed Alkyne Hydroacylation Using Î²-Carbonyl-Substituted Aldehydes: Mechanistic Insight Leads to Low Catalyst Loadings that Enables Selective Catalysis on Gram-Scale. Journal of the American Chemical Society, 2018, 140, 7347-7357.	6.6	36
41	Controlling Structure and Reactivity in Cationic Solid-State Molecular Organometallic Systems Using Anion Templating. Organometallics, 2018, 37, 3524-3532.	1.1	14
42	Oligomeric aminoborane precursors for the chemical vapour deposition growth of few-layer hexagonal boron nitride. CrystEngComm, 2017, 19, 285-294.	1.3	41
43	Fluoroarene Complexes with Small Bite Angle Bisphosphines: Routes to Amineâ€“Borane and Aminoborylene Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 4533-4540.	1.0	16
44	Exploiting Carbonyl Groups to Control Intermolecular Rhodium-Catalyzed Alkene and Alkyne Hydroacylation. Journal of the American Chemical Society, 2017, 139, 10142-10149.	6.6	50
45	Solid-state molecular organometallic chemistry. Single-crystal to single-crystal reactivity and catalysis with light hydrocarbon substrates. Chemical Science, 2017, 8, 6014-6029.	3.7	44
46	Formation of a Ïƒ-alkane Complex and a Molecular Rearrangement in the Solid-State: [Rh(Cyp₂PCH₂CH₂PCyp₂)(Î·²:Î·²-C₇H₈)]⁺. Organometallics, 2017, 36, 22-25.	1.1	28
47	Phosphoramidateâ€Supported Cp*Ir^{III} Aminoborane H₂B=NR₂ Complexes: Synthesis, Structure, and Solution Dynamics. Chemistry - A European Journal, 2016, 22, 6793-6797.	1.7	22
48	The Simplest Aminoâ€borane H₂B=NH₂ Trapped on a Rhodium Dimer: Preâ€Catalysts for Amineâ€“Borane Dehydropolymerization. Angewandte Chemie, 2016, 128, 6763-6768.	1.6	20
49	The Synthesis, Characterization and Dehydrogenation of Sigmaâ€Complexes of BNâ€Cyclohexanes. Chemistry - A European Journal, 2016, 22, 310-322.	1.7	22
50	A Rhodiumâ€“Pentane Sigmaâ€Alkane Complex: Characterization in the Solid State by Experimental and Computational Techniques. Angewandte Chemie - International Edition, 2016, 55, 3677-3681.	7.2	48
51	A Rhodiumâ€“Pentane Sigmaâ€Alkane Complex: Characterization in the Solid State by Experimental and Computational Techniques. Angewandte Chemie, 2016, 128, 3741-3745.	1.6	11
52	Simultaneous Orthogonal Methods for the Real-Time Analysis of Catalytic Reactions. ACS Catalysis, 2016, 6, 6911-6917.	5.5	45
53	Transition Metal Alkane-Sigma Complexes. Advances in Organometallic Chemistry, 2016, 66, 223-276.	0.5	32
54	Selective Câ€“H Activation at a Molecular Rhodium Sigma-Alkane Complex by Solid/Gas Single-Crystal to Single-Crystal H/D Exchange. Journal of the American Chemical Society, 2016, 138, 13369-13378.	6.6	42

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55	[Ir(R2PCH2CH2PR2)(NBD)][<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>BAr</mml:mtext></mml:mrow><mml:mn>4</mml:mn><m and a comparison of reactivity with H2 in solution and the solidâ€“state. Journal of Organometallic	0.8	11
56	The Simplest Aminoâ€borane H₂B=NH₂ Trapped on a Rhodium Dimer: Preâ€Catalysts for Amineâ€“Borane Dehydropolymerization. Angewandte Chemie - International Edition, 2016, 55, 6651-6656.	7.2	57
57	Encapsulation of an organometallic cationic catalyst by direct exchange into an anionic MOF. Chemical Science, 2016, 7, 2037-2050.	3.7	57
58	Dehydrocoupling of phosphineâ€“boranes using the [RhCp*Me(PMe₃)(CH₂Cl₂)][BAr^F₄] precatalyst: stoichiometric and catalytic studies. Chemical Science, 2016, 7, 2414-2426.	3.7	35
59	Variable coordination modes and catalytic dehydrogenation of B-phenyl amineâ€“boranes. Dalton Transactions, 2016, 45, 6183-6195.	1.6	15
60	Wellâ€Defined and Robust Rhodium Catalysts for the Hydroacylation of Terminal and Internal Alkenes. Angewandte Chemie - International Edition, 2015, 54, 8520-8524.	7.2	47
61	Pï£¿Câ€Activated Bimetallic Rhodium Xantphos Complexes: Formation and Catalytic Dehydrocoupling of Amineâ€“Boranes. Angewandte Chemie - International Edition, 2015, 54, 10173-10177.	7.2	41
62	A CH2Cl2 complex of a [Rh(pincer)]+ cation. Dalton Transactions, 2015, 44, 6340-6342.	1.6	28
63	The Catalytic Dehydrocoupling of Amineâ€“Boranes and Phosphineâ€“Boranes. Topics in Organometallic Chemistry, 2015, , 153-220.	0.7	122
64	Rhâ€“POP Pincer Xantphos Complexes for Câ€“S and Câ€“H Activation. Implications for Carbothiolation Catalysis. Organometallics, 2015, 34, 711-723.	1.1	51
65	Solid-State Synthesis and Characterization of Ïƒ-Alkane Complexes, [Rh(L₂)(Î·²,Î·²-C₇H₁₂)][BAr^F₄] (L₂ = Bidentate Chelating Phosphine). Journal of the American Chemical Society, 2015, 137, 820-833.	6.6	78
66	Organometallic synthesis, reactivity and catalysis in the solid state using well-defined single-site species. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140187.	1.6	52
67	Rhodium-Catalyzed Selective Partial Hydrogenation of Alkynes. Organometallics, 2015, 34, 3021-3028.	1.1	27
68	Reactivity of an Unsaturated Iridium(III) Phosphoramidate Complex, [Cp*Ir{Î²²-N,O}][BAr^F₄]. Organometallics, 2015, 34, 3849-3856.	1.1	26
69	Stoichiometric and Catalytic Solidâ€“Gas Reactivity of Rhodium Bis-phosphine Complexes. Organometallics, 2015, 34, 1487-1497.	1.1	24
70	Relative binding affinities of fluorobenzene ligands in cationic rhodium bisphosphine Î·6â€“fluorobenzene complexes probed using collision-induced dissociation. Journal of Organometallic Chemistry, 2015, 784, 75-83.	0.8	27
71	Mechanistic Studies of the Dehydrocoupling and Dehydropolymerization of Amineâ€“Boranes Using a [Rh(Xantphos)]⁺ Catalyst. Journal of the American Chemical Society, 2014, 136, 9078-9093.	6.6	134
72	Intramolecular Câ€“C agostic complexes: Câ€“C sigma interactions by another name. Chemical Society Reviews, 2014, 43, 242-259.	18.7	64

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73	A combined experimental and computational study of fluxional processes in sigma amineâ€“borane complexes of rhodium and iridium. Dalton Transactions, 2014, 43, 11118-11128.	1.6	26
74	Multiple metal-bound oligomers from Ir-catalysed dehydropolymerisation of H3BÂ·NH3 as probed by experiment and computation. Chemical Science, 2014, 5, 2546-2553.	3.7	54
75	Exploring the mechanism of the hydroboration of alkenes by amineâ€“boranes catalysed by [Rh(xantphos)]⁺. Catalysis Science and Technology, 2014, 4, 3486-3494.	2.1	32
76	Effect of the Phosphine Steric and Electronic Profile on the Rh-Promoted Dehydrocoupling of Phosphineâ€“Boranes. Inorganic Chemistry, 2014, 53, 3716-3729.	1.9	38
77	Carbonâ€“carbon bond construction using boronic acids and aryl methyl sulfides: orthogonal reactivity in Suzuki-type couplings. Chemical Science, 2013, 4, 1568.	3.7	79
78	Bis(phosphine)boronium salts. Synthesis, structures and coordination chemistry. Dalton Transactions, 2013, 42, 12917.	1.6	18
79	Dehydrogenative Boron Homocoupling of an Amineâ€Borane. Angewandte Chemie - International Edition, 2013, 52, 9776-9780.	7.2	66
80	Câ€“Cl activation of the weakly coordinating anion [B(3,5-Cl2C6H3)4]â^' at a Rh(i) centre in solution and the solid-state. Dalton Transactions, 2013, 42, 12832.	1.6	15
81	Traceless Chelationâ€Controlled Rhodiumâ€Catalyzed Intermolecular Alkene and Alkyne Hydroacylation. Chemistry - A European Journal, 2013, 19, 3125-3130.	1.7	58
82	The influence of phosphine cone angle onÂtheÂsynthesis and structures of [Rh(PR3)(Binorâ€“S)]+ complexes that show Câ€“C sigma interactions. Journal of Organometallic Chemistry, 2013, 730, 90-94.	0.8	17
83	Revealing the Pâ€“B coupling event in the rhodium catalysed dehydrocoupling of phosphineâ€“boranes H3BÂ·PR2H (R = tBu, Ph). Chemical Science, 2013, 4, 1881.	3.7	49
84	Dehydrocoupling of Dimethylamine Borane Catalyzed by Rh(PCy₃)₂H₂Cl. Inorganic Chemistry, 2013, 52, 4509-4516.	1.9	40
85	Aryl Methyl Sulfides as Substrates for Rhodium-Catalyzed Alkyne Carbothiolation: Arene Functionalization with Activating Group Recycling. Journal of the American Chemical Society, 2012, 134, 2906-2909.	6.6	133
86	Exploring Small Bite-Angle Ligands for the Rhodium-Catalyzed Intermolecular Hydroacylation of Î²-S-Substituted Aldehydes with 1-Octene and 1-Octyne. ACS Catalysis, 2012, 2, 2779-2786.	5.5	55
87	Synthesis and Characterization of a Rhodium(I) Ïƒ-Alkane Complex in the Solid State. Science, 2012, 337, 1648-1651.	6.0	131
88	Intermediates in the Rh-catalysed dehydrocoupling of phosphineâ€“borane. Chemical Communications, 2012, 48, 7185.	2.2	36
89	Rhodium-catalysed linear-selective alkyne hydroacylation. Chemical Communications, 2012, 48, 6354.	2.2	30
90	Rhodium Cyclopentyl Phosphine Complexes of Wide-Bite-Angle Ligands DPEphos and Xantphos. Organometallics, 2012, 31, 2720-2728.	1.1	41

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91	Intermolecular Alkyne Hydroacylation. Mechanistic Insight from the Isolation of the Vinyl Intermediate That Precedes Reductive Elimination. Organometallics, 2012, 31, 5650-5659.	1.1	53
92	A tert-butyl-substituted amino-borane bound to an iridium fragment: A latent source of free H2BNtBuH. Journal of Organometallic Chemistry, 2012, 721-722, 17-22.	0.8	20
93	Development of a Generic Mechanism for the Dehydrocoupling of Amine-Boranes: A Stoichiometric, Catalytic, and Kinetic Study of H₃BÂ·NMe₂H Using the [Rh(PCy₃)₂]⁺ Fragment. Journal of the American Chemical Society, 2012, 134, 3598-3610.	6.6	103
94	Intermolecular Hydroacylation: High Activity Rhodium Catalysts Containing Small-Bite-Angle Diphosphine Ligands. Journal of the American Chemical Society, 2012, 134, 4885-4897.	6.6	127
95	Hydroboration of an alkene by amineâ€“boranes catalysed by a [Rh(PR3)2]+ fragment. Mechanistic insight and tandem hydroboration/dehydrogenation. Dalton Transactions, 2011, 40, 7499.	1.6	24
96	Tuning the [L2Rhâ¯H3BÂ·NR3]+ interaction using phosphine bite angle. Demonstration by the catalytic formation of polyaminoboranes. Chemical Communications, 2011, 47, 3763.	2.2	104
97	The two faces of carboranes. Nature Chemistry, 2011, 3, 577-578.	6.6	41
98	Câ€“C Activation in the Solid State in an Organometallic Ïƒ-Complex. Journal of the American Chemical Society, 2011, 133, 13162-13168.	6.6	42
99	Dehydrogenation of cyclic thioethers bound to a [Rh(diphosphine)]+ fragment. Dalton Transactions, 2011, 40, 6626.	1.6	8
100	[Rh{NC5H3-2,6-(CH2PtBu2)2}(PCy3)][BArF4]: A Latent Low-Coordinate Rhodium(I) PNP Pincer Compound. Organometallics, 2011, 30, 4466-4469.	1.1	29
101	Catching the First Oligomerization Event in the Catalytic Formation of Polyaminoboranes: H₃BÂ·NMeHBH₂Â·NMeH₂ Bound to Iridium. Journal of the American Chemical Society, 2011, 133, 11076-11079.	6.6	114
102	Experimental charge density study into Câ€“C Ïƒ-interactions in a Binor-S rhodium complex. Dalton Transactions, 2011, 40, 10708.	1.6	16
103	Poly[(Î¼4-adamantane-1,3-dicarboxylato-Îº5O1:O1â€²:O3,O3â€²:O3â€²)(Î¼3-adamantane-1,3-dicarboxylato-Îº5O1,O1â€²:O3,O3â€ a layered coordination polymer. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m335-m337.	0.4	4
104	A rhodium(III) complex of the linear diborazine H₃BÂ·NMe₂BH₂Â·NMe₂H: an intermediate in the dehydrocoupling of H₃BÂ·NMe₂H. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m355-m358.	0.4	5
105	{Rh(PiBu3)2}+ Fragments Ligated to Arenes: From Benzene to Polyaromatic Hydrocarbons, Part I - An Experimental Approach. European Journal of Inorganic Chemistry, 2011, 2011, 1614-1625.	1.0	27
106	{Rh(PiBu3)2}+ Fragments Ligated to Arenes: From Benzene to Polyaromatic Hydrocarbons, Part II - Computational Analysis of Pathways for Haptotropic Migration. European Journal of Inorganic Chemistry, 2011, 2011, 1626-1634.	1.0	4
107	Exploring (Ph2PCH2CH2)2E Ligand Space (E = O, S, PPh) in RhI Alkene Complexes as Potential Hydroacylation Catalysts. European Journal of Inorganic Chemistry, 2011, 2011, 5558-5565.	1.0	11
108	Rhodiumâ€Catalyzed Branchedâ€Selective Alkyne Hydroacylation: A Ligandâ€Controlled Regioselectivity Switch. Angewandte Chemie - International Edition, 2011, 50, 5134-5138.	7.2	75

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109	[Ir(PCy₃)₂(H)₂(H₂Bï£¿NMe₂)]⁺ as a Latent Source of Aminoborane: Probing the Role of Metal in the Dehydrocoupling of H₃Bâ‹…NMe₂H and Retrodimerisation of [H₂BNMe₂]₂. Chemistry - A European Journal, 2011, 17, 3011-3020.	1.7	116
110	Cationic iridium complexes of the Xantphos ligand. Flexible coordination modes and the isolation of the hydride insertion product with an alkene. Journal of Organometallic Chemistry, 2011, 696, 2870-2876.	0.8	40
111	A charge density investigation into an Rh...C-C sigma interaction. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C451-C451.	0.3	0
112	[B(3,5â€C₆H₃Cl₂)₄]^{â€“} as a Useful Anion for Organometallic Chemistry. European Journal of Inorganic Chemistry, 2010, 2010, 5124-5128.	1.0	43
113	Reactivity of the Latent 12â€Electron Fragment [Rh(PiBu₃)₂]⁺ with Aryl Bromides: Arylï£¿Br and Phosphine Ligand Cï£¿H Activation. Chemistry - A European Journal, 2010, 16, 8376-8389.	1.7	16
114	Bï£¿H Activation at a Rhodium(I) Center: Isolation of a Bimetallic Complex Relevant to the Transitionâ€Metalâ€Catalyzed Dehydrocoupling of Amineâ€“Boranes. Angewandte Chemie - International Edition, 2010, 49, 581-584.	7.2	117
115	Alkyl dehydrogenation in iridium tri-cyclopentyl phosphines. Inorganica Chimica Acta, 2010, 363, 574-580.	1.2	13
116	Bond catastrophes in rhodium complexes: experimental charge-density studies of [Rh(C₇H₈)(P^tBu₃)Cl] and [Rh(C₇H₈)(PCy₃)Cl]. Acta Crystallographica Section B: Structural Science, 2010, 66, 503-514.	1.8	16
117	Controlling Selectivity in Intermolecular Alkene or Aldehyde Hydroacylation Reactions Catalyzed by {Rh(L₂)}⁺Fragments. Organometallics, 2010, 29, 1717-1728.	1.1	68
118	Câˆ’C Bond Activation of a Cyclopropyl Phosphine: Isolation and Reactivity of a Tetrameric Rhodacyclobutane. Organometallics, 2010, 29, 2332-2342.	1.1	25
119	Amino-borane oligomers bound to a Rh(i) metal fragment. Chemical Communications, 2010, 46, 3092.	2.2	39
120	Reversible Câ€“H activation of a PtBuiBu2 ligand to reveal a masked 12 electron [Rh(PR3)2]+ cation. Dalton Transactions, 2010, 39, 7437.	1.6	16
121	Ruthenium, Rhodium, and Iridium Bis(Ïƒ-Bâˆ’H) Diisopropylaminoborane Complexes. Organometallics, 2010, 29, 5591-5595.	1.1	71
122	Amineâˆ’ and Dimeric Aminoâˆ’Borane Complexes of the {Rh(PiPr3)2}+ Fragment and Their Relevance to the Transition-Metal-Mediated Dehydrocoupling of Amineâˆ’Boranes. Inorganic Chemistry, 2010, 49, 1111-1121.	1.9	68
123	Isolation of a Low-Coordinate Rhodium Phosphine Complex Formed by Câˆ’C Bond Activation of Biphenylene. Organometallics, 2010, 29, 2710-2714.	1.1	31
124	Using EPR to follow reversible dihydrogen addition to paramagnetic clusters of high hydride count: [Rh6(PCy3)6H12]+and [Rh6(PCy3)6H14]+. Dalton Transactions, 2010, 39, 1726-1733.	1.6	8
125	Bis(Ïƒâ€amineâ€“borane) Complexes: An Unusual Binding Mode at a Transitionâ€Metal Center. Angewandte Chemie - International Edition, 2009, 48, 6875-6878.	7.2	100
126	Aqueous-organic biphasic redox-chemistry of high-hydride content rhodium clusters: Towards immobilisation of redox-switchable H2 binding materials on a surface. Journal of Organometallic Chemistry, 2009, 694, 2808-2813.	0.8	4

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127	Monomeric and Oligomeric Amineâ^'Borane Ïƒ-Complexes of Rhodium. Intermediates in the Catalytic Dehydrogenation of Amineâ^'Boranes. Journal of the American Chemical Society, 2009, 131, 15440-15456.	6.6	183
128	Alkyl dehydrogenation in a Rh(i) complex via an isolated agostic intermediate. Chemical Communications, 2009, , 244-246.	2.2	44
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