

Joost N H Reek

List of Publications by Year in descending order

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362
papers

25,894
citations

5876

81
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9073

144
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438
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438
docs citations

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times ranked

17985
citing authors

#	ARTICLE	IF	CITATIONS
1	Frontiers, Opportunities, and Challenges in Biochemical and Chemical Catalysis of CO ₂ Fixation. <i>Chemical Reviews</i> , 2013, 113, 6621-6658.	23.0	1,786
2	Ligand Bite Angle Effects in Metal-catalyzed C-C Bond Formation. <i>Chemical Reviews</i> , 2000, 100, 2741-2770.	23.0	955
3	Dendrimers as Support for Recoverable Catalysts and Reagents. <i>Chemical Reviews</i> , 2002, 102, 3717-3756.	23.0	594
4	Reactivity within a confined self-assembled nanospace. <i>Chemical Society Reviews</i> , 2008, 37, 247-262.	18.7	587
5	Supramolecular catalysis beyond enzyme mimics. <i>Nature Chemistry</i> , 2010, 2, 615-621.	6.6	584
6	Transition Metal Catalysis Using Functionalized Dendrimers. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1828-1849.	7.2	538
7	Transition metal catalysis in confined spaces. <i>Chemical Society Reviews</i> , 2015, 44, 433-448.	18.7	537
8	Wide Bite Angle Diphosphines: Xantphos Ligands in Transition Metal Complexes and Catalysis. <i>Accounts of Chemical Research</i> , 2001, 34, 895-904.	7.6	476
9	Neutral Tridentate PNP Ligands and Their Hybrid Analogues: Versatile Non-Innocent Scaffolds for Homogeneous Catalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8832-8846.	7.2	407
10	Synthesis of functional α -polyolefins TM : state of the art and remaining challenges. <i>Chemical Society Reviews</i> , 2013, 42, 5809.	18.7	365
11	Co@NH ₂ -MIL-125(Ti): cobaloxime-derived metal-organic framework-based composite for light-driven H ₂ production. <i>Energy and Environmental Science</i> , 2015, 8, 364-375.	15.6	362
12	Origin of the Bite Angle Effect on Rhodium Diphosphine Catalyzed Hydroformylation. <i>Organometallics</i> , 2000, 19, 872-883.	1.1	328
13	α -Carbene Radicals TM in Co ^{II} (por)-Catalyzed Olefin Cyclopropanation. <i>Journal of the American Chemical Society</i> , 2010, 132, 10891-10902.	6.6	301
14	Self-assembled nanospheres with multiple endohedral binding sites pre-organize catalysts and substrates for highly efficient reactions. <i>Nature Chemistry</i> , 2016, 8, 225-230.	6.6	262
15	Ligands that Store and Release Electrons during Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3356-3358.	7.2	249
16	Complexes with Nitrogen-Centered Radical Ligands: Classification, Spectroscopic Features, Reactivity, and Catalytic Applications. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12510-12529.	7.2	243
17	Click-chemistry as an efficient synthetic tool for the preparation of novel conjugated polymers. <i>Chemical Communications</i> , 2005, , 4333.	2.2	213
18	Self-assembled biomimetic [2Fe2S]-hydrogenase-based photocatalyst for molecular hydrogen evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10460-10465.	3.3	211

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19	High-Precision Catalysts: Regioselective Hydroformylation of Internal Alkenes by Encapsulated Rhodium Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 11344-11345.	6.6	202
20	Supramolecular Control on Chemo- and Regioselectivity via Encapsulation of (NHC)-Au Catalyst within a Hexameric Self-Assembled Host. <i>Journal of the American Chemical Society</i> , 2011, 133, 2848-2851.	6.6	201
21	IPr* an easily accessible highly hindered N-heterocyclic carbene. <i>Dalton Transactions</i> , 2010, 39, 1444-1446.	1.6	196
22	The future of solar fuels: when could they become competitive?. <i>Energy and Environmental Science</i> , 2018, 11, 1653-1669.	15.6	188
23	Supramolecular control of selectivity in transition-metal catalysis through substrate preorganization. <i>Chemical Science</i> , 2014, 5, 2135-2145.	3.7	185
24	Screening of a Supramolecular Catalyst Library in the Search for Selective Catalysts for the Asymmetric Hydrogenation of a Difficult Enamide Substrate. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1223-1227.	7.2	184
25	Accelerated Biphasic Hydroformylation by Vesicle Formation of Amphiphilic Diphosphines. <i>Journal of the American Chemical Society</i> , 2000, 122, 1650-1657.	6.6	181
26	Encapsulation of Transition Metal Catalysts by Ligand-Template Directed Assembly. <i>Journal of the American Chemical Society</i> , 2004, 126, 1526-1536.	6.6	181
27	ZnII-Salphen Complexes as Versatile Building Blocks for the Construction of Supramolecular Box Assemblies. <i>Chemistry - A European Journal</i> , 2005, 11, 4743-4750.	1.7	181
28	Enantioselective Hydroformylation by a Rh-Catalyst Entrapped in a Supramolecular Metallocage. <i>Journal of the American Chemical Society</i> , 2015, 137, 2680-2687.	6.6	175
29	New directions in supramolecular transition metal catalysis. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2371.	1.5	174
30	A Silica-Supported, Switchable, and Recyclable Hydroformylation [†] Hydrogenation Catalyst. <i>Journal of the American Chemical Society</i> , 2001, 123, 8468-8476.	6.6	168
31	Mononuclear Water Oxidation Catalysts. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9740-9747.	7.2	168
32	Assembly of Encapsulated Transition Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4271-4274.	7.2	164
33	Chiral Induction Effects in Ruthenium(II) Amino Alcohol Catalysed Asymmetric Transfer Hydrogenation of Ketones: An Experimental and Theoretical Approach. <i>Chemistry - A European Journal</i> , 2000, 6, 2818-2829.	1.7	162
34	C1 polymerisation and related C=C bond forming σ -carbeneinsertion TM reactions. <i>Chemical Society Reviews</i> , 2010, 39, 1706-1723.	18.7	155
35	Intramolecular Redox-Active Ligand-to-Substrate Single-Electron Transfer: Radical Reactivity with a Palladium(II) Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 11574-11577.	6.6	152
36	Me ₂ NHC based robust Ir catalyst for efficient water oxidation. <i>Chemical Communications</i> , 2011, 47, 2712.	2.2	151

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37	“Clickphine” A Novel and Highly Versatile P,N Ligand Class via Click Chemistry. <i>Organic Letters</i> , 2006, 8, 3227-3230.	2.4	150
38	Supraphos: A Supramolecular Strategy To Prepare Bidentate Ligands. <i>Journal of the American Chemical Society</i> , 2004, 126, 4056-4057.	6.6	147
39	Remote Supramolecular Control of Catalyst Selectivity in the Hydroformylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 396-400.	7.2	139
40	Noncovalently Functionalized Dendrimers as Recyclable Catalysts. <i>Journal of the American Chemical Society</i> , 2001, 123, 8453-8458.	6.6	134
41	Confinement Effects in Catalysis Using Well-Defined Materials and Cages. <i>Frontiers in Chemistry</i> , 2018, 6, 623.	1.8	132
42	Multicomponent Porphyrin Assemblies as Functional Bidentate Phosphite Ligands for Regioselective Rhodium-Catalyzed Hydroformylation. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5619-5623.	7.2	131
43	The coordination behaviour of large natural bite angle diphosphine ligands towards methyl and 4-cyanophenylpalladium(ii) complexes. <i>Dalton Transactions RSC</i> , 2002, , 2308.	2.3	130
44	Cobalt-Porphyrin-Catalysed Intramolecular Ring-Closing C-H Amination of Aliphatic Azides: A Nitrene-Radical Approach to Saturated Heterocycles. <i>Chemistry - A European Journal</i> , 2017, 23, 7945-7952.	1.7	129
45	Binding Features of Molecular Clips. Separation of the Effects of Hydrogen Bonding and π - π Interactions. <i>Journal of the American Chemical Society</i> , 1997, 119, 9956-9964.	6.6	127
46	Ligand-Template Directed Assembly: An Efficient Approach for the Supramolecular Encapsulation of Transition-Metal Catalysts. <i>Chemistry - A European Journal</i> , 2006, 12, 4218-4227.	1.7	127
47	A Robust, Environmentally Benign Catalyst for Highly Selective Hydroformylation. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3231-3235.	7.2	126
48	Ligand Template Strategies for Catalyst Encapsulation. <i>Accounts of Chemical Research</i> , 2018, 51, 2115-2128.	7.6	121
49	Template-induced formation of heterobidentate ligands and their application in the asymmetric hydroformylation of styrene. <i>Chemical Communications</i> , 2006, , 4679.	2.2	120
50	Tunable Hemilabile Ligands for Adaptive Transition Metal Complexes. <i>Organometallics</i> , 2011, 30, 499-510.	1.1	119
51	Co ^{III} Carbene Radical Approach to Substituted 1-H-Indenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 8968-8975.	6.6	117
52	Continuous, selective hydroformylation in supercritical carbon dioxide using an immobilised homogeneous catalyst. <i>Chemical Communications</i> , 2000, , 1497-1498.	2.2	116
53	UREAphos: supramolecular bidentate ligands for asymmetric hydrogenation. <i>Chemical Communications</i> , 2007, , 864-866.	2.2	116
54	Singly Hydrogen Bonded Supramolecular Ligands for Highly Selective Rhodium-Catalyzed Hydrogenation Reactions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2162-2165.	7.2	114

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55	Bidentate ligands by supramolecular chemistry – the future for catalysis?. Dalton Transactions, 2006, , 3385-3391.	1.6	113
56	An X-ray Study of the Effect of the Bite Angle of Chelating Ligands on the Geometry of Palladium(allyl) Complexes: Implications for the Regioselectivity in the Allylic Alkylation. Inorganic Chemistry, 2001, 40, 3363-3372.	1.9	112
57	Co-factor Controlled Enantioselective Catalysis. Journal of the American Chemical Society, 2011, 133, 17176-17179.	6.6	111
58	Hybrid diphosphorus ligands in rhodium catalysed asymmetric hydroformylation. Coordination Chemistry Reviews, 2014, 262, 1-15.	9.5	111
59	Bidentate ligands formed by self-assembly Electronic supplementary information (ESI) available: ligand synthesis and detailed experimental data. See http://www.rsc.org/suppdata/cc/b3/b306683e/ . Chemical Communications, 2003, , 2474.	2.2	109
60	Reactivity of Dinitrogen Bound to Mid- and Late-Transition Metal Centers. European Journal of Inorganic Chemistry, 2015, 2015, 567-598.	1.0	108
61	Encapsulation of Metalloporphyrins in a Self-Assembled Cubic M ₈ L ₆ Cage: A New Molecular Flask for Cobalt-Porphyrin Catalysed Radical-Type Reactions. Chemistry - A European Journal, 2013, 19, 10170-10178.	1.7	103
62	Self-Assembly of a Confined Rhodium Catalyst for Asymmetric Hydroformylation of Unfunctionalized Internal Alkenes. Journal of the American Chemical Society, 2012, 134, 2860-2863.	6.6	101
63	The bite angle makes the catalyst. Pure and Applied Chemistry, 1999, 71, 1443-1452.	0.9	100
64	SPANphos: A C ₂ -Symmetric trans-Coordinating Diphosphane Ligand. Angewandte Chemie - International Edition, 2003, 42, 1284-1287.	7.2	100
65	Libraries of Bidentate Phosphorus Ligands; Synthesis Strategies and Application in Catalysis. European Journal of Inorganic Chemistry, 2008, 2008, 2939-2958.	1.0	100
66	Encapsulated Cobalt-Porphyrin as a Catalyst for Size-Selective Radical-Type Cyclopropanation Reactions. Chemistry - A European Journal, 2014, 20, 4880-4884.	1.7	99
67	Site-Isolation Effects in a Dendritic Nickel Catalyst for the Oligomerization of Ethylene. Journal of the American Chemical Society, 2004, 126, 14960-14963.	6.6	98
68	Palladium complexes of phosphine functionalised carbosilane dendrimers as catalysts in a continuous flow membrane reactor. Chemical Communications, 1999, , 1623-1624.	2.2	96
69	Rh-Mediated Polymerization of Carbenes: Mechanism and Stereoregulation. Journal of the American Chemical Society, 2007, 129, 11631-11641.	6.6	95
70	Sulfonamido-Phosphoramidite Ligands in Cooperative Dinuclear Hydrogenation Catalysis. Journal of the American Chemical Society, 2009, 131, 6683-6685.	6.6	95
71	Gold(I) Catalysis at Extreme Concentrations Inside Self-Assembled Nanospheres. Angewandte Chemie - International Edition, 2014, 53, 13380-13384.	7.2	95
72	Highly Selective Asymmetric Rh-Catalyzed Hydroformylation of Heterocyclic Olefins. Journal of the American Chemical Society, 2012, 134, 6607-6616.	6.6	94

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73	Iridium(I) versus Ruthenium(II). A Computational Study of the Transition Metal Catalyzed Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2003, 22, 3150-3157.	1.1	91
74	Supramolecular Approaches To Control Activity and Selectivity in Hydroformylation Catalysis. <i>ACS Catalysis</i> , 2018, 8, 3469-3488.	5.5	89
75	Encapsulated transition metal catalysts comprising peripheral Zn(ii)salen building blocks: template-controlled reactivity and selectivity in hydroformylation catalysis. <i>Chemical Communications</i> , 2005, , 3661.	2.2	87
76	Base-Free Production of H ₂ by Dehydrogenation of Formic Acid Using An Iridium-bisMETAMORPhos Complex. <i>Chemistry - A European Journal</i> , 2013, 19, 11507-11511.	1.7	87
77	Carbene insertion into transition metal-carbon bonds: a new tool for catalytic C-C bond formation. <i>Catalysis Science and Technology</i> , 2011, 1, 153.	2.1	86
78	A Self-Assembled Molecular Cage for Substrate-Selective Epoxidation Reactions in Aqueous Media. <i>ACS Catalysis</i> , 2016, 6, 3106-3112.	5.5	85
79	Catalysis in the core of a carbosilane dendrimer. <i>Chemical Communications</i> , 1999, , 1119-1120.	2.2	83
80	Rigid bis-zinc(ii) salphen building blocks for the formation of template-assisted bidentate ligands and their application in catalysis. <i>Dalton Transactions</i> , 2007, , 2311.	1.6	83
81	Electrochemical and Spectroelectrochemical Characterization of an Iridium-Based Molecular Catalyst for Water Splitting: Turnover Frequencies, Stability, and Electrolyte Effects. <i>Journal of the American Chemical Society</i> , 2014, 136, 10432-10439.	6.6	83
82	Redox-Active Ligand-Induced Homolytic Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1516-1520.	7.2	83
83	Hybrid bidentate phosphorus ligands in asymmetric catalysis: Privileged ligand approach vs. combinatorial strategies. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1704.	1.5	82
84	Precise Supramolecular Control of Selectivity in the Rh-Catalyzed Hydroformylation of Terminal and Internal Alkenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 10817-10828.	6.6	82
85	Supramolecular Control of Ligand Coordination and Implications in Hydroformylation Reactions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7342-7345.	7.2	81
86	Solid-Phase Synthesis of Homogeneous Ruthenium Catalysts on Silica for the Continuous Asymmetric Transfer Hydrogenation Reaction. <i>Chemistry - A European Journal</i> , 2001, 7, 1202-1208.	1.7	80
87	Asymmetric Hydroformylation Using Taddol-Based Chiral Phosphine-Phosphite Ligands. <i>Organometallics</i> , 2010, 29, 478-483.	1.1	80
88	Multiple Recognition of Barbiturate Guests by Hamilton-Receptor-Functionalized Dendrimers. <i>Chemistry - A European Journal</i> , 2004, 10, 2036-2047.	1.7	79
89	METAMORPhos: Adaptive Supramolecular Ligands and Their Mechanistic Consequences for Asymmetric Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3180-3183.	7.2	79
90	Control over Electrochemical Water Oxidation Catalysis by Preorganization of Molecular Ruthenium Catalysts in Self-Assembled Nanospheres. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11247-11251.	7.2	76

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91	Dehydrogenation of formic acid by Ir ^{III} -bisMETAMORPhos complexes: experimental and computational insight into the role of a cooperative ligand. <i>Chemical Science</i> , 2015, 6, 1027-1034.	3.7	75
92	Dynamic Combinatorial Chemistry: The Unexpected Choice of Receptors by Guest Molecules. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2660-2663.	7.2	74
93	Catalyst selection based on intermediate stability measured by mass spectrometry. <i>Nature Chemistry</i> , 2010, 2, 417-421.	6.6	74
94	Capsule-controlled selectivity of a rhodium hydroformylation catalyst. <i>Nature Communications</i> , 2013, 4, 2670.	5.8	74
95	Templated Encapsulation of Pyridyl ^{II} -Palladium Complexes: Tunable Catalysts for CO/4-tert-butylstyrene Copolymerization. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8590-8592.	7.2	73
96	Supramolecular Control of Selectivity in Hydroformylation of Vinyl Arenes: Easy Access to Valuable α -Aldehyde Intermediates. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3878-3882.	7.2	70
97	Photosystem II-based Biophotovoltaics on Nanostructured Hematite. <i>Advanced Functional Materials</i> , 2014, 24, 7467-7477.	7.8	70
98	A Convenient Synthetic Route for the Preparation of Nonsymmetric Metallo-salphen Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4626-4634.	1.0	69
99	Water Splitting by Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8178-8181.	7.2	68
100	Metal-Directed Self-Assembly of a ZnII-salpyr Complex into a Supramolecular Vase Structure. <i>Inorganic Chemistry</i> , 2007, 46, 5829-5831.	1.9	67
101	A Switchable Gold Catalyst by Encapsulation in a Self-Assembled Cage. <i>Chemistry - A European Journal</i> , 2016, 22, 14836-14839.	1.7	67
102	Sulfonated Xantphos Ligand and Methylated Cyclodextrin: A Winning Combination for Rhodium-Catalyzed Hydroformylation of Higher Olefins in Aqueous Medium. <i>Organometallics</i> , 2005, 24, 2070-2075.	1.1	66
103	Templated assembly of a molecular capsule. <i>Chemical Communications</i> , 1998, , 11-12.	2.2	65
104	Palladium-Catalyzed Amination of Aryl Bromides and Aryl Triflates Using Diphosphane Ligands: A Kinetic Study. <i>Chemistry - A European Journal</i> , 2001, 7, 475-482.	1.7	65
105	SUPRAphos-based palladium catalysts for the kinetic resolution of racemic cyclohexenyl acetate. <i>Chemical Communications</i> , 2007, , 2287.	2.2	65
106	INDOLPhos: novel hybrid phosphine-phosphoramidite ligands for asymmetric hydrogenation and hydroformylation. <i>Dalton Transactions</i> , 2007, , 3750.	1.6	65
107	Application of a Supramolecular Ligand Library for the Automated Search for Catalysts for the Asymmetric Hydrogenation of Industrially Relevant Substrates. <i>Chemistry - A European Journal</i> , 2009, 15, 10272-10279.	1.7	65
108	Supramolecular strategies in artificial photosynthesis. <i>Chemical Science</i> , 2021, 12, 50-70.	3.7	65

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109	Homogeneous Catalysts Based on First-Row Transition-Metals for Electrochemical Water Oxidation. <i>ChemSusChem</i> , 2021, 14, 234-250.	3.6	64
110	Picosecond Electron Injection Dynamics in Dye-Sensitized Oxides in the Presence of Electrolyte. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2578-2584.	1.5	63
111	Supramoleculartrans-Coordinating Phosphine Ligands. <i>Organometallics</i> , 2006, 25, 954-960.	1.1	62
112	Highly enantioselective hydroformylation of dihydrofurans catalyzed by hybrid phosphine-phosphonite rhodium complexes. <i>Chemical Communications</i> , 2010, 46, 1244.	2.2	62
113	Beyond Classical Reactivity Patterns: Hydroformylation of Vinyl and Allyl Arenes to Valuable \hat{I}^2 - and \hat{I}^3 -Aldehyde Intermediates Using Supramolecular Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 8418-8429.	6.6	61
114	An iron-iron hydrogenase mimic with appended electron reservoir for efficient proton reduction in aqueous media. <i>Science Advances</i> , 2016, 2, e1501014.	4.7	61
115	Hydrogen Bond Directed <i>ortho</i> -Selective C-H Borylation of Secondary Aromatic Amides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13039-13043.	7.2	61
116	SIAPhos: Phosphorylated Sulfonimidamides and their Use in Iridium-Catalyzed Asymmetric Hydrogenations of Sterically Hindered Cyclic Enamides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 59-64.	2.1	60
117	Transition Metal Catalysis Controlled by Hydrogen Bonding in the Second Coordination Sphere. <i>Chemical Reviews</i> , 2022, 122, 12308-12369.	23.0	60
118	Size-Selective Hydroformylation by a Rhodium Catalyst Confined in a Supramolecular Cage. <i>Chemistry - A European Journal</i> , 2019, 25, 609-620.	1.7	59
119	Nickel-Catalyzed Stereodivergent Synthesis of <i>E</i> - and <i>Z</i> -Alkenes by Hydrogenation of Alkynes. <i>ChemSusChem</i> , 2019, 12, 3363-3369.	3.6	59
120	Gold Catalysis in (Supra)Molecular Cages to Control Reactivity and Selectivity. <i>ChemCatChem</i> , 2019, 11, 287-297.	1.8	59
121	A highly selective water-soluble dicationic palladium catalyst for the biphasic hydroxycarbonylation of alkenes. <i>Chemical Communications</i> , 1998, , 2431-2432.	2.2	58
122	Binuclear [(cod)(Cl)Ir(bpi)Ir(cod)] ⁺ for Catalytic Water Oxidation. <i>Organometallics</i> , 2011, 30, 372-374.	1.1	58
123	Substrate selectivity in the alkyne hydration mediated by NHC-Au(i) controlled by encapsulation of the catalyst within a hydrogen bonded hexameric host. <i>Catalysis Science and Technology</i> , 2013, 3, 2898.	2.1	58
124	Rhodium-Catalyzed Asymmetric Hydroformylation with Taddol-Based IndolPhos Ligands. <i>Organometallics</i> , 2010, 29, 2767-2776.	1.1	57
125	C ₆ H ₆ Activation of Benzene by a Photoactivated Ni ^{II} (azide): Formation of a Transient Nickel Nitrido Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7055-7059.	7.2	57
126	Rational Design Rules for Molecular Water Oxidation Catalysts based on Scaling Relationships. <i>Chemistry - A European Journal</i> , 2017, 23, 16413-16418.	1.7	57

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127	On the Influence of the Bite Angle of Bidentate Phosphane Ligands on the Regioselectivity in Allylic Alkylation. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 1237-1241.	1.0	54
128	INDOLPhosphole and INDOLPhos Palladium π -Allyl Complexes in Asymmetric Allylic Alkylations. <i>Organometallics</i> , 2009, 28, 2724-2734.	1.1	54
129	Rhodium-Mediated Stereospecific Carbene Polymerization: From Homopolymers to Random and Block Copolymers. <i>Macromolecules</i> , 2010, 43, 8892-8903.	2.2	54
130	Enantioselective Intramolecular Reductive Heck Reaction with a Palladium/Monodentate Phosphoramidite Cataly. <i>ChemCatChem</i> , 2017, 9, 551-554.	1.8	54
131	N α -H bond activation by palladium(ii) and copper(i) complexes featuring a reactive bidentate PN-ligand. <i>Dalton Transactions</i> , 2012, 41, 11276.	1.6	53
132	Ruthenium PNN(O) Complexes: Cooperative Reactivity and Application as Catalysts for Acceptorless Dehydrogenative Coupling Reactions. <i>Organometallics</i> , 2017, 36, 1541-1549.	1.1	53
133	Control of Redox Events by Dye Encapsulation Applied to Light-Driven Splitting of Hydrogen Sulfide. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11759-11763.	7.2	53
134	Synthesis, Conformational Analysis, and Binding Properties of Molecular Clips with Two Different Side Walls. <i>Journal of Organic Chemistry</i> , 1997, 62, 2234-2243.	1.7	52
135	Pincer ligands with an all-phosphorus donor set: subtle differences between rhodium and palladium. <i>Dalton Transactions</i> , 2011, 40, 8822.	1.6	52
136	A stable and recyclable supported aqueous phase catalyst for highly selective hydroformylation of higher olefins. <i>Chemical Communications</i> , 1999, , 1633-1634.	2.2	51
137	Photoinduced energy and electron transfer in bis-porphyrins with quinoxaline Tröger's base and biquinoxalanyl spacers. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4281-4291.	1.3	51
138	Binuclear Cooperative Catalysts for the Hydrogenation and Hydroformylation of Olefins. <i>ChemCatChem</i> , 2013, 5, 2785-2793.	1.8	50
139	Template-Assisted Ligand Encapsulation; the Impact of an Unusual Coordination Geometry on a Supramolecular Pyridylphosphine π -Zn(II)porphyrin Assembly. <i>Inorganic Chemistry</i> , 2005, 44, 7696-7698.	1.9	49
140	Supramolecular bidentate phosphorus ligands based on bis-zinc(ii) and bis-tin(iv) porphyrin building blocks. <i>Dalton Transactions</i> , 2007, , 2302.	1.6	49
141	Platinum(π)-porphyrin as a sensitizer for visible-light driven water oxidation in neutral phosphate buffer. <i>Energy and Environmental Science</i> , 2015, 8, 975-982.	15.6	49
142	Noncovalent Anchoring of Homogeneous Catalysts to Silica Supports with Well-Defined Binding Sites. <i>Journal of the American Chemical Society</i> , 2004, 126, 14557-14566.	6.6	48
143	Ligand Design in Rh(diene)-Mediated α -Carbene Polymerization; Efficient Synthesis of High-Mass, Highly Stereoregular, and Fully Functionalized Carbon-Chain Polymers. <i>Organometallics</i> , 2010, 29, 2823-2826.	1.1	47
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