

# Nilay Hazari

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103  
papers

5,985  
citations

41  
h-index

76  
g-index

113  
ext. papers

6,828  
ext. citations

9.9  
avg, IF

6.43  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 103 | Ligand and solvent effects on CO insertion into group 10 metal alkyl bonds.. <i>Chemical Science</i> , <b>2022</b> , 13, 2391-2404   | 9.4  | 0         |
| 102 | Comparative Coordination Chemistry of PNP and SNS Pincer Ruthenium Complexes. <i>Organometallics</i> , <b>2021</b> , 40, 4066-4076   | 3.8  | 0         |
| 101 | Tunable and Practical Homogeneous Organic Reductants for Cross-Electrophile Coupling. <i>Journal of the American Chemical Society</i> , <b>2021</b> ,  | 16.4 | 5         |
| 100 | Synthesis of Triarylmethanes via Palladium-Catalyzed SuzukiMiyaura Reactions of Diarylmethyl Esters. <i>Organometallics</i> , <b>2021</b> , 40, 2332-2344  | 3.8  | 2         |
| 99  | Pioneers and Influencers in Organometallic Chemistry: Professor Robert Crabtree's Storied Career via an Unusual Journey to the Ivy League. <i>Organometallics</i> , <b>2021</b> , 40, 295-301  | 3.8  | 1         |
| 98  | Reactivity and Structure of Complexes of Small Molecules: Carbon Dioxide <b>2021</b> , 959-975   |      |           |
| 97  | Chemical Reduction of Ni Cyclam and Characterization of Isolated Ni Cyclam with Cryogenic Vibrational Spectroscopy and Inert-Gas-Mediated High-Resolution Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 6715-6721 | 2.8  |           |
| 96  | Understanding the Reactivity and Decomposition of a Highly Active Iron Pincer Catalyst for Hydrogenation and Dehydrogenation Reactions. <i>ACS Catalysis</i> , <b>2021</b> , 11, 10631-10646   | 13.1 | 1         |
| 95  | Dehydrogenative Synthesis of Carbamates from Formamides and Alcohols Using a Pincer-Supported Iron Catalyst. <i>ACS Catalysis</i> , <b>2021</b> , 11, 10614-10624  | 13.1 | 1         |
| 94  | Lewis Acid Participation in Organometallic Chemistry <b>2021</b> ,   |      |           |
| 93  | Near-Unity Molecular Doping Efficiency in Monolayer MoS <sub>2</sub> . <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2000873   | 6.7  | 9         |
| 92  | Organometallic Chemistry for Enabling Carbon Dioxide Utilization. <i>Organometallics</i> , <b>2020</b> , 39, 1457-1460   | 3.8  | 5         |
| 91  | Ni(II)-Alkyl Complexes Bearing Phenanthroline Ligands: Experimental Evidence for CO Insertion at Ni(II) Centers. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10936-10941  | 16.4 | 30        |
| 90  | Additive-Free Formic Acid Dehydrogenation Using a Pincer-Supported Iron Catalyst. <i>ChemCatChem</i> , <b>2020</b> , 12, 1934-1938   | 5.2  | 15        |
| 89  | Rational selection of co-catalysts for the deaminative hydrogenation of amides. <i>Chemical Science</i> , <b>2020</b> , 11, 2225-2230  | 9.4  | 8         |
| 88  | Synthesis of organometallic pincer-supported cobalt(II) complexes. <i>Polyhedron</i> , <b>2020</b> , 177, 114308   | 2.7  | 2         |
| 87  | A Widely Applicable Dual Catalytic System for Cross-Electrophile Coupling Enabled by Mechanistic Studies. <i>ACS Catalysis</i> , <b>2020</b> , 10, 12642-12656   | 13.1 | 18        |

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| 86 | Thermodynamic and kinetic hydricity of transition metal hydrides. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 7929-7948  | 58.5 | 25  |
| 85 | Differences in the Performance of Allyl Based Palladium Precatalysts for Suzuki-Miyaura Reactions. <i>Advanced Synthesis and Catalysis</i> , <b>2020</b> , 362, 5062-5078  | 5.6  | 8   |
| 84 | Bis(dialkylphosphino)ferrocene-Ligated Nickel(II) Precatalysts for Suzuki-Miyaura Reactions of Aryl Carbonates. <i>Organometallics</i> , <b>2019</b> , 38, 3377-3387   | 3.8  | 15  |
| 83 | Understanding the Individual and Combined Effects of Solvent and Lewis Acid on CO Insertion into a Metal Hydride. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10520-10529                           | 16.4 | 27  |
| 82 | Synthesis and Reactivity of Paramagnetic Nickel Polypyridyl Complexes Relevant to C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6094-6098 | 16.4 | 44  |
| 81 | Development of an Improved System for the Carboxylation of Aryl Halides through Mechanistic Studies. <i>ACS Catalysis</i> , <b>2019</b> , 9, 3228-3241   | 13.1 | 52  |
| 80 | Synthesis and Reactivity of Paramagnetic Nickel Polypyridyl Complexes Relevant to C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) Coupling Reactions. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6155-6159                        | 3.6  | 4   |
| 79 | Opportunities and Challenges for Catalysis in Carbon Dioxide Utilization. <i>ACS Catalysis</i> , <b>2019</b> , 9, 7937-7956  | 19.1 | 153 |
| 78 | Palladium-Catalyzed Suzuki-Miyaura Reactions of Aspartic Acid Derived Phenyl Esters. <i>Organic Letters</i> , <b>2019</b> , 21, 5762-5766  | 6.2  | 6   |
| 77 | Sequential Hydrogenation of CO <sub>2</sub> to Methanol Using a Pincer Iron Catalyst. <i>Organometallics</i> , <b>2019</b> , 38, 3084-3091   | 3.8  | 33  |
| 76 | The Role of Proton Shuttles in the Reversible Activation of Hydrogen via Metal-Ligand Cooperation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 17350-17360  | 16.4 | 26  |
| 75 | Cross-Coupling and Related Reactions: Connecting Past Success to the Development of New Reactions for the Future. <i>Organometallics</i> , <b>2019</b> , 38, 3-35  | 3.8  | 143 |
| 74 | Controlling Selectivity in the Hydroboration of Carbon Dioxide to the Formic Acid, Formaldehyde, and Methanol Oxidation Levels. <i>ACS Catalysis</i> , <b>2019</b> , 9, 301-314  | 13.1 | 44  |
| 73 | Iron-catalyzed urea synthesis: dehydrogenative coupling of methanol and amines. <i>Chemical Science</i> , <b>2018</b> , 9, 4003-4008   | 9.4  | 25  |
| 72 | Nickel(I) Aryl Species: Synthesis, Properties, and Catalytic Activity. <i>ACS Catalysis</i> , <b>2018</b> , 8, 2526-2533   | 13.1 | 42  |
| 71 | Selective Iron-Catalyzed N-Formylation of Amines using Dihydrogen and Carbon Dioxide. <i>ACS Catalysis</i> , <b>2018</b> , 8, 1338-1345  | 13.1 | 69  |
| 70 | Acceleration of CO insertion into metal hydrides: ligand, Lewis acid, and solvent effects on reaction kinetics. <i>Chemical Science</i> , <b>2018</b> , 9, 6629-6638   | 9.4  | 39  |
| 69 | The Key Role of the Hemiaminal Intermediate in the Iron-Catalyzed Deaminative Hydrogenation of Amides. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8751-8762   | 13.1 | 38  |

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|----|--|------|-----|
| 68 | Rapidly Activating Pd-Precatalyst for Suzuki-Miyaura and Buchwald-Hartwig Couplings of Aryl Esters. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 469-477  | 4.2  | 68  |
| 67 | Catalytic Formic Acid Dehydrogenation and CO <sub>2</sub> Hydrogenation Using Iron Pincer Complexes with Isonitrile Ligands. <i>Organometallics</i> , <b>2018</b> , 37, 3846-3853                                      | 3.8  | 32  |
| 66 | Modifications to the Aryl Group of dppf-Ligated Ni -Aryl Precatalysts: Impact on Speciation and Catalytic Activity in Suzuki-Miyaura Coupling Reactions. <i>Organometallics</i> , <b>2018</b> , 37, 3943-3955          | 3.8  | 15  |
| 65 | Effect of Nucleophilicity on the Kinetics of CO <sub>2</sub> Insertion into Pincer-Supported Nickel Complexes. <i>Organometallics</i> , <b>2018</b> , 37, 3649-3653  | 3.8  | 6   |
| 64 | Hydrogenation and Dehydrogenation Reactions Catalyzed by Iron Pincer Compounds <b>2018</b> , 111-131   |      | 4   |
| 63 | Well-defined nickel and palladium precatalysts for cross-coupling. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,  | 34.6 | 252 |
| 62 | Iron-Catalyzed Amide Formation from the Dehydrogenative Coupling of Alcohols and Secondary Amines. <i>Organometallics</i> , <b>2017</b> , 36, 2020-2025  | 3.8  | 45  |
| 61 | Reversible Hydrogenation of Carbon Dioxide to Formic Acid and Methanol: Lewis Acid Enhancement of Base Metal Catalysts. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 1049-1058                             | 24.3 | 161 |
| 60 | Mechanistic Study of an Improved Ni Precatalyst for Suzuki-Miyaura Reactions of Aryl Sulfamates: Understanding the Role of Ni(I) Species. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 922-936 | 16.4 | 102 |
| 59 | Selective Iron-Catalyzed Deaminative Hydrogenation of Amides. <i>Organometallics</i> , <b>2017</b> , 36, 409-416   | 3.8  | 72  |
| 58 | Synthesis and Catalytic Activity of PNP-Supported Iron Complexes with Ancillary Isonitrile Ligands. <i>Organometallics</i> , <b>2017</b> , 36, 3995-4004   | 3.8  | 23  |
| 57 | DFT Investigation of Suzuki-Miyaura Reactions with Aryl Sulfamates Using a Dialkylbiarylphosphine-Ligated Palladium Catalyst. <i>Organometallics</i> , <b>2017</b> , 36, 3664-3675                                     | 3.8  | 9   |
| 56 | Carbon Dioxide Insertion into Group 9 and 10 Metal-Element $\sigma$ Bonds. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 13655-13678  | 5.1  | 50  |
| 55 | Dinitrogen-Facilitated Reversible Formation of a Si-H Bond in a Pincer-Supported Ni Complex. <i>Organometallics</i> , <b>2016</b> , 35, 3154-3162  | 3.8  | 30  |
| 54 | Solar Cells: Quaternary Organic Solar Cells Enhanced by Cocrystalline Squaraines with Power Conversion Efficiencies >10% (Adv. Energy Mater. 21/2016). <i>Advanced Energy Materials</i> , <b>2016</b> , 6,             | 21.8 | 1   |
| 53 | Pd-Catalyzed Suzuki-Miyaura and Hiyama-Denmark Couplings of Aryl Sulfamates. <i>Organic Letters</i> , <b>2016</b> , 18, 5784-5787  | 6.2  | 21  |
| 52 | Dinuclear Pd(I) complexes with bridging allyl and related ligands. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 2871-99   | 58.5 | 26  |
| 51 | Quaternary Organic Solar Cells Enhanced by Cocrystalline Squaraines with Power Conversion Efficiencies >10%. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600660   | 21.8 | 39  |

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|----|---|------|-----|
| 50 | Enhanced CO <sub>2</sub> electroreduction efficiency through secondary coordination effects on a pincer iridium catalyst. <i>Chemical Communications</i> , <b>2015</b> , 51, 5947-50  | 5.8  | 52  |
| 49 | Base-Free Methanol Dehydrogenation Using a Pincer-Supported Iron Compound and Lewis Acid Co-catalyst. <i>ACS Catalysis</i> , <b>2015</b> , 5, 2404-2415   | 13.1 | 151 |
| 48 | Design of a Versatile and Improved Precatalyst Scaffold for Palladium-Catalyzed Cross-Coupling: (β-1-tBu-indenyl) <sub>2</sub> (Cl) <sub>2</sub> Pd <sub>2</sub> . <i>ACS Catalysis</i> , <b>2015</b> , 5, 3680-3688                            | 13.1 | 101 |
| 47 | Nitrogen fixation revisited on iron(0) dinitrogen phosphine complexes. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4768-76   | 5.1  | 34  |
| 46 | Understanding Precatalyst Activation in Cross-Coupling Reactions: Alcohol Facilitated Reduction from Pd(II) to Pd(0) in Precatalysts of the Type (β-allyl)Pd(L)(Cl) and (β-indenyl)Pd(L)(Cl). <i>ACS Catalysis</i> , <b>2015</b> , 5, 5596-5606 | 13.1 | 76  |
| 45 | Selective conversion of glycerol to lactic acid with iron pincer precatalysts. <i>Chemical Communications</i> , <b>2015</b> , 51, 16201-4   | 5.8  | 67  |
| 44 | Comparison of dppf-Supported Nickel Precatalysts for the Suzuki-Miyaura Reaction: The Observation and Activity of Nickel(I). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13550-13554  | 3.6  | 15  |
| 43 | Comparison of dppf-Supported Nickel Precatalysts for the Suzuki-Miyaura Reaction: The Observation and Activity of Nickel(I). <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13352-6                                       | 16.4 | 70  |
| 42 | Comparison of the catalytic activity for the Suzuki-Miyaura reaction of ((β)-Cp)Pd(IPr)Cl with ((β)-cinnamyl)Pd(IPr)(Cl) and ((β)-1-t-Bu-indenyl)Pd(IPr)(Cl). <i>Beilstein Journal of Organic Chemistry</i> , <b>2015</b> , 11, 2476-86         | 2.5  | 8   |
| 41 | Iron catalyzed CO hydrogenation to formate enhanced by Lewis acid co-catalysts. <i>Chemical Science</i> , <b>2015</b> , 6, 4291-4299  | 9.4  | 238 |
| 40 | Understanding the Solution and Solid-State Structures of Pd and Pt PSiP Pincer-Supported Hydrides. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 11411-22  | 5.1  | 23  |
| 39 | Effect of 2-Substituents on Allyl-Supported Precatalysts for the Suzuki-Miyaura Reaction: Relating Catalytic Efficiency to the Stability of Palladium(I) Bridging Allyl Dimers. <i>Organometallics</i> , <b>2015</b> , 34, 381-394              | 3.8  | 33  |
| 38 | Synthesis and structure of six-coordinate iron borohydride complexes supported by PNP ligands. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2133-43   | 5.1  | 86  |
| 37 | Effect of sodium cation on metallacycle β-hydride elimination in CO <sub>2</sub> -ethylene coupling to acrylates. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 3205-11   | 4.8  | 47  |
| 36 | Nickel(I) monomers and dimers with cyclopentadienyl and indenyl ligands. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 5327-37  | 4.8  | 57  |
| 35 | Flexible binding of PNP pincer ligands to monomeric iron complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 6066-72  | 5.7  | 28  |
| 34 | Well-Defined Iron Catalysts for the Acceptorless Reversible Dehydrogenation-Hydrogenation of Alcohols and Ketones. <i>ACS Catalysis</i> , <b>2014</b> , 4, 3994-4003  | 13.1 | 291 |
| 33 | Synthesis and reactivity of a masked PSiP pincer supported nickel hydride. <i>Polyhedron</i> , <b>2014</b> , 84, 37-43  | 2.7  | 29  |

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| 32 | Lewis acid-assisted formic acid dehydrogenation using a pincer-supported iron catalyst. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10234-7   | 16.4 | 317 |
| 31 | Insight into the efficiency of cinnamyl-supported precatalysts for the Suzuki-Miyaura reaction: observation of Pd(I) dimers with bridging allyl ligands during catalysis. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7300-16 | 16.4 | 102 |
| 30 | A mechanistic study of allene carboxylation with CO <sub>2</sub> resulting in the development of a Pd(II) pincer complex for the catalytic hydroboration of CO <sub>2</sub> . <i>Chemical Science</i> , <b>2014</b> , 5, 3859                          | 9.4  | 93  |
| 29 | An Unusual Example of Hypervalent Silicon: A Five-Coordinate Silyl Group Bridging Two Palladium or Nickel Centers through a Nonsymmetrical Four-Center Two-Electron Bond. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1121-1126                      | 3.6  | 3   |
| 28 | An unusual example of hypervalent silicon: a five-coordinate silyl group bridging two palladium or nickel centers through a nonsymmetrical four-center two-electron bond. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1103-8  | 16.4 | 32  |
| 27 | Making Carbon-Chlorine Bonds by Dipalladium Electrocatalysis. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 1134-1137   | 2.3  | 9   |
| 26 | Lewis Acid Induced $\beta$ -Elimination from a Nickelalactone: Efforts toward Acrylate Production from CO <sub>2</sub> and Ethylene. <i>Organometallics</i> , <b>2013</b> , 32, 2152-2159  | 3.8  | 59  |
| 25 | Polymer bulk heterojunction solar cells employing Förster resonance energy transfer. <i>Nature Photonics</i> , <b>2013</b> , 7, 479-485  | 33.9 | 346 |
| 24 | Synthesis, Properties, and Reactivity of Palladium and Nickel NHC Complexes Supported by Combinations of Allyl, Cyclopentadienyl, and Indenyl Ligands. <i>Organometallics</i> , <b>2013</b> , 32, 4025-4037  | 3.8  | 26  |
| 23 | A Computational Investigation of the Insertion of Carbon Dioxide into Four- and Five-Coordinate Iridium Hydrides. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 4032-4041   | 2.3  | 31  |
| 22 | Synthesis and Properties of NHC-Supported Palladium(I) Dimers with Bridging Allyl, Cyclopentadienyl, and Indenyl Ligands. <i>Organometallics</i> , <b>2013</b> , 32, 5114-5127   | 3.8  | 18  |
| 21 | Synthesis, Electronic Structure, and Reactivity of Palladium(I) Dimers with Bridging Allyl, Cyclopentadienyl, and Indenyl Ligands. <i>Organometallics</i> , <b>2013</b> , 32, 4223-4238  | 3.8  | 16  |
| 20 | Experimental and Computational Studies of the Reaction of Carbon Dioxide with Pincer-Supported Nickel and Palladium Hydrides. <i>Organometallics</i> , <b>2012</b> , 31, 8225-8236   | 3.8  | 118 |
| 19 | Mechanistic Studies of the Insertion of CO <sub>2</sub> into Palladium(I) Bridging Allyl Dimers. <i>Organometallics</i> , <b>2012</b> , 31, 470-485  | 3.8  | 58  |
| 18 | Mild, reversible reaction of iridium(III) amido complexes with carbon dioxide. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 9683-93  | 5.1  | 17  |
| 17 | Photoelectron Spectroscopy of Palladium(I) Dimers with Bridging Allyl Ligands. <i>Organometallics</i> , <b>2012</b> , 31, 8571-8576  | 3.8  | 4   |
| 16 | Electron-Rich CpIr(biphenyl-2,2'-diyl) Complexes with $\pi$ -Accepting Carbon Donor Ligands. <i>Organometallics</i> , <b>2012</b> , 31, 7158-7164  | 3.8  | 17  |
| 15 | Selective homogeneous and heterogeneous catalytic conversion of methanol/dimethyl ether to triptane. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 653-62   | 24.3 | 30  |

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|----|---|------|-----|
| 14 | Synthesis of PCP-supported nickel complexes and their reactivity with carbon dioxide. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 6915-27   | 4.8  | 63  |
| 13 | An Iridium(IV) Species, [Cp*Ir(NHC)Cl] <sup>+</sup> , Related to a Water-Oxidation Catalyst. <i>Organometallics</i> , <b>2011</b> , 30, 965-973   | 3.8  | 116 |
| 12 | Palladium(I)-bridging allyl dimers for the catalytic functionalization of CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3280-3                                     | 16.4 | 123 |
| 11 | Iridium-catalyzed hydrogenation of N-heterocyclic compounds under mild conditions by an outer-sphere pathway. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7547-62                  | 16.4 | 257 |
| 10 | Secondary coordination sphere interactions facilitate the insertion step in an iridium(III) CO <sub>2</sub> reduction catalyst. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9274-7 | 16.4 | 349 |
| 9  | Palladium catalyzed carboxylation of allylstannanes and boranes using CO <sub>2</sub> . <i>Chemical Communications</i> , <b>2011</b> , 47, 1069-71  | 5.8  | 79  |
| 8  | Synthesis, Properties, and Reactivity with Carbon Dioxide of (allyl) <sub>2</sub> Ni(L) Complexes. <i>Organometallics</i> , <b>2011</b> , 30, 3142-3150   | 3.8  | 33  |
| 7  | Pd(I)-Bridging Allyl Dimers: A New System for the Catalytic Functionalization of Carbon Dioxide. <i>Synlett</i> , <b>2011</b> , 2011, 1793-1797   | 2.2  | 28  |
| 6  | Exploring the reactions of CO <sub>2</sub> with PCP supported nickel complexes. <i>Chemical Communications</i> , <b>2011</b> , 47, 1824-6   | 5.8  | 102 |
| 5  | The Reaction of Carbon Dioxide with Palladium Allyl Bonds. <i>Organometallics</i> , <b>2010</b> , 29, 6369-6376   | 3.8  | 59  |
| 4  | Tris(hydroxypropyl)phosphine Oxide: A Chiral Three-Dimensional Material with Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 1482-1485                                   | 3.5  | 9   |
| 3  | Homogeneous iron complexes for the conversion of dinitrogen into ammonia and hydrazine. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 4044-56   | 58.5 | 203 |
| 2  | Dynamic <sup>15</sup> N NMR studies of iron phosphine complexes containing coordinated dinitrogen. <i>Magnetic Resonance in Chemistry</i> , <b>2003</b> , 41, 709-713                                       | 2.1  | 9   |
| 1  | Compact Super Electron-Donor to Monolayer MoS <sub>2</sub> . <i>Nano Letters</i> ,  | 11.5 | 2   |