Linda J W Shimon

List of Publications by Year
in descending order

274	15,395	17440 63	24258 110
papers	citations	h-index	g-index

290	290	290	13037
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient hydrogenation of organic carbonates, carbamates and formates indicates alternative routes to methanol based on CO2 and CO. Nature Chemistry, 2011, 3, 609-614.	13.6	563
2	Lowâ€Pressure Hydrogenation of Carbon Dioxide Catalyzed by an Iron Pincer Complex Exhibiting Noble Metal Activity. Angewandte Chemie - International Edition, 2011, 50, 9948-9952.	13.8	479
3	Consecutive Thermal H ₂ and Light-Induced O ₂ Evolution from Water Promoted by a Metal Complex. Science, 2009, 324, 74-77.	12.6	448
4	Manganese-Catalyzed Environmentally Benign Dehydrogenative Coupling of Alcohols and Amines to Form Aldimines and H₂: A Catalytic and Mechanistic Study. Journal of the American Chemical Society, 2016, 138, 4298-4301.	13.7	410
5	Direct Hydrogenation of Amides to Alcohols and Amines under Mild Conditions. Journal of the American Chemical Society, 2010, 132, 16756-16758.	13.7	394
6	Cellulosomesâ€”Structure and Ultrastructure. Journal of Structural Biology, 1998, 124, 221-234.	2.8	306
7	Self-assembling dipeptide antibacterial nanostructures with membrane disrupting activity. Nature Communications, 2017, 8, 1365.	12.8	299
8	Electron-Rich, Bulky Ruthenium PNP-Type Complexes. Acceptorless Catalytic Alcohol Dehydrogenation. Organometallics, 2004, 23, 4026-4033.	2.3	285
9	Growth and Dissolution of Organic Crystals with ?Tailor-Made? Inhibitors?Implications in Stereochemistry and Materials Science. Angewandte Chemie International Edition in English, 1985, 24, 466-485.	4.4	271
10	Direct Conversion of Alcohols to Acetals and H₂ Catalyzed by an Acridine-Based Ruthenium Pincer Complex. Journal of the American Chemical Society, 2009, 131, 3146-3147.	13.7	260
11	Metalâˆ’Ligand Cooperation in Câˆ’H and H2Activation by an Electron-Rich PNP Ir(I) System:Â Facile Ligand Dearomatizationâˆ’Aromatization as Key Steps. Journal of the American Chemical Society, 2006, 128, 15390-15391.	13.7	222
12	Nâˆ’H Activation of Amines and Ammonia by Ru via Metalâˆ’Ligand Cooperation. Journal of the American Chemical Society, 2010, 132, 8542-8543.	13.7	214
13	Selective Bromination of Perylene Diimides under Mild Conditions. Journal of Organic Chemistry, 2007, 72, 5973-5979.	3.2	211
14	Manganeseâ€Catalyzed Hydrogenation of Esters to Alcohols. Chemistry - A European Journal, 2017, 23, 5934-5938.	3.3	192
15	Evidence for a terminal Pt(iv)-oxo complex exhibiting diverse reactivity. Nature, 2008, 455, 1093-1096.	27.8	187
16	Alkylâˆ’ and Arylâˆ’Oxygen Bond Activation in Solution by Rhodium(I), Palladium(II), and Nickel(II). Transition-Metal-Based Selectivity. Journal of the American Chemical Society, 1998, 120, 6531-6541.	13.7	169
17	Cobaltâ€Catalyzed Hydrogenation of Esters to Alcohols: Unexpected Reactivity Trend Indicates Ester Enolate Intermediacy. Angewandte Chemie - International Edition, 2015, 54, 12357-12360.	13.8	166
18	Formation of Î·2 Câˆ’H Agostic Rhodium Arene Complexes and Their Relevance to Electrophilic Bond Activation. Journal of the American Chemical Society, 1998, 120, 12539-12544.	13.7	164

#	Article	IF	Citations
19	Electron-rich, bulky PNN-type ruthenium complexes: synthesis, characterization and catalysis of alcohol dehydrogenation. Dalton Transactions, 2007, , 107-113.	3.3	161
20	Reversible chromism of spiropyran in the cavity of a flexible coordination cage. Nature Communications, 2018, 9, 641.	12.8	148
21	Non-proteinaceous hydrolase comprised of a phenylalanine metallo-supramolecular amyloid-like structure. Nature Catalysis, 2019, 2, 977-985.	34.4	142
22	Light-emitting self-assembled peptide nucleic acids exhibit both stacking interactions and Watsonâ€“Crick base pairing. Nature Nanotechnology, 2015, 10, 353-360.	31.5	136
23	Rigid helical-like assemblies from a self-aggregating tripeptide. Nature Materials, 2019, 18, 503-509.	27.5	133
24	â€œLong-Rangeâ€•Metalâˆ’Ligand Cooperation in H₂ Activation and Ammonia-Promoted Hydride Transfer with a Rutheniumâˆ’Acridine Pincer Complex. Journal of the American Chemical Society, 2010, 132, 14763-14765.	13.7	129
25	Highly Efficient Process for Production of Biofuel from Ethanol Catalyzed by Ruthenium Pincer Complexes. Journal of the American Chemical Society, 2016, 138, 9077-9080.	13.7	128
26	A PCN Ligand System. Exclusive Câˆ’C Activation with Rhodium(I) and Câˆ’H Activation with Platinum(II). Organometallics, 1997, 16, 3981-3986.	2.3	127
27	Electrochromic Metallo-Organic Nanoscale Films: Fabrication, Color Range, and Devices. Journal of the American Chemical Society, 2017, 139, 11471-11481.	13.7	121
28	Synthesis, Structure, and Reactivity of New Rhodium and Iridium Complexes, Bearing a Highly Electron-Donating PNP System. Iridium-Mediated Vinylic Câˆ’H Bond Activation. Organometallics, 2002, 21, 812-818.	2.3	120
29	A cohesin domain from Clostridium thermocellum: the crystal structure provides new insights into cellulosome assembly. Structure, 1997, 5, 381-390.	3.3	119
30	System with Potential Dual Modes of Metalâ€“Ligand Cooperation: Highly Catalytically Active Pyridineâ€Based PNNHâ€“Ru Pincer Complexes. Chemistry - A European Journal, 2014, 20, 15727-15731.	3.3	114
31	Selective Ortho Câˆ’H Activation of Haloarenes by an Ir(I) System. Journal of the American Chemical Society, 2003, 125, 4714-4715.	13.7	111
32	Pincer â€œHemilabileâ€•Effect. PCN Platinum(II) Complexes with Different Amine â€œArm Lengthâ€• Organometallics, 2005, 24, 1082-1090.	2.3	111
33	Activation of Nitriles by Metal Ligand Cooperation. Reversible Formation of Ketimido- and Enamido-Rhenium PNP Pincer Complexes and Relevance to Catalytic Design. Journal of the American Chemical Society, 2013, 135, 17004-17018.	13.7	110
34	Reversible photoswitching of encapsulated azobenzenes in water. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9379-9384.	7.1	110
35	Rubrenes: Planar and Twisted. Chemistry - A European Journal, 2008, 14, 10639-10647.	3.3	109
36	Silanol-Based Pincer Pt(II) Complexes: Synthesis, Structure, and Unusual Reactivity. Inorganic Chemistry, 2008, 47, 7177-7189.	4.0	101

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37	orthoCâ˜H Activation of Haloarenes and Anisole by an Electron-Rich Iridium(I) Complex:Â Mechanism and Origin of Regio- andÂChemoselectivity. AnÂExperimental andÂTheoreticalÂStudy. Organometallics, 2006, 25, 3190-3210.	2.3	100
38	Controlling Rigidity and Planarity in Conjugated Polymers: Poly(3,4â€ethylenedithioselenophene). Angewandte Chemie - International Edition, 2009, 48, 5443-5447.	13.8	100
39	Unique Behavior of Dimethoxyethane (DME)/Mg(N(SO₂CF₃)₂)₂ Solutions. Journal of Physical Chemistry C, 2016, 120, 19586-19594.	3.1	99
40	Zâ€Selective (Crossâ€)Dimerization of Terminal Alkynes Catalyzed by an Iron Complex. Angewandte Chemie - International Edition, 2016, 55, 6942-6945.	13.8	98
41	Synthesis and Reactivity of an Iridium(I) Acetonyl PNP Complex. Experimental and Computational Study of Metalâ˜Ligand Cooperation in Hâ˜H and Câ˜H Bond Activation via Reversible Ligand Dearomatization. Organometallics, 2010, 29, 3817-3827.	2.3	97
42	Structural Analysis of Magnesium Chloride Complexes in Dimethoxyethane Solutions in the Context of Mg Batteries Research. Journal of Physical Chemistry C, 2017, 121, 24909-24918.	3.1	93
43	Crystallization of Organic Molecules: Nonclassical Mechanism Revealed by Direct Imaging. ACS Central Science, 2018, 4, 1031-1036.	11.3	88
44	Co-Crystallization of Sym-Triiodo-Trifluorobenzene with Bipyridyl Donors:Â Consistent Formation of Two Instead of Anticipated Three NÂ·Â·Â·I Halogen Bonds. Crystal Growth and Design, 2007, 7, 386-392.	3.0	87
45	Self-Assembly of Aromatic Amino Acid Enantiomers into Supramolecular Materials of High Rigidity. ACS Nano, 2020, 14, 1694-1706.	14.6	86
46	Metal-Stabilized Methylene Arenium and Ïƒ-Arenium Compounds:â€‰ Synthesis, Structure, Reactivity, Charge Distribution, and Interconversion. Organometallics, 1999, 18, 895-905.	2.3	84
47	Formation of Stabletrans-Dihydride Ruthenium(II) and 16-Electron Ruthenium(0) Complexes Based on Phosphinite PONOP Pincer Ligands. Reactivity toward Water and Electrophiles. Organometallics, 2009, 28, 4791-4806.	2.3	84
48	Nâ€“H Activation by Rh(I) via Metalâ€“Ligand Cooperation. Organometallics, 2012, 31, 4083-4101.	2.3	83
49	Preparation and Characterization of New Ruthenium and Osmium Containing Polyoxometalates, [M(DMSO)3Mo7O24]4-(M = Ru(II), Os(II)), and Their Use as Catalysts for the Aerobic Oxidation of Alcohols. Inorganic Chemistry, 2003, 42, 3331-3339.	4.0	82
50	Exclusive Câ˜C Activation and an Apparent Î±-H Elimination with a Rhodium Phosphinite Pincer Complex. Organometallics, 2006, 25, 2292-2300.	2.3	82
51	Bioinspired Stable and Photoluminescent Assemblies for Power Generation. Advanced Materials, 2019, 31, e1807481.	21.0	82
52	Iron(II) complexes based on electron-rich, bulky PNN- and PNP-type ligands. Inorganica Chimica Acta, 2006, 359, 1955-1960.	2.4	79
53	Anionic Nickel(II) Complexes with Doubly Deprotonated PNP Pincer-Type Ligands and Their Reactivity toward CO₂. Organometallics, 2013, 32, 300-308.	2.3	79
54	Cationic, Neutral, and Anionic PNP Pd^{II}and Pt^{II}Complexes: Dearomatization by Deprotonation and Double-Deprotonation of Pincer Systems. Inorganic Chemistry, 2010, 49, 1615-1625.	4.0	78

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55	Oligofuran-containing molecules for organic electronics. Journal of Materials Chemistry C, 2013, 1, 4358.	5.5	77
56	How Innocent are Potentially Redox Non-Innocent Ligands? Electronic Structure and Metal Oxidation States in Iron-PNN Complexes as a Representative Case Study. Inorganic Chemistry, 2015, 54, 4909-4926.	4.0	76
57	Study of a bifuran vs. bithiophene unit for the rational design of Ï€-conjugated systems. What have we learned?. Chemical Communications, 2013, 49, 6256.	4.1	71
58	Unsaturated Pd(0), Pd(I), and Pd(II) Complexes of a New Methoxy-Substituted Benzyl Phosphine. Arylâ^'X (X = Cl, I) Oxidative Addition, Câ^'O Cleavage, and Suzukiâ^'Miyaura Coupling of Aryl Chlorides. Organometallics, 2004, 23, 3931-3940.	2.3	70
59	Nickel promoted Câ€"H, Câ€"C and Câ€"O bond activation in solution. Inorganica Chimica Acta, 2004, 357, 4015-4023.	2.4	70
60	Nucleophilic De-coordination and Electrophilic Regeneration ofâ€œHemilabileâ€•Pincer-Type Complexes: Formation of Anionic Dialkyl, Diaryl, and Dihydride PtII Complexes Bearing No Stabilizingl€-Acceptors. Chemistry - A European Journal, 2004, 10, 4673-4684.	3.3	69
61	Selfâ€Assembled Peptide Nanoâ€Superstructure towards Enzyme Mimicking Hydrolysis. Angewandte Chemie - International Edition, 2021, 60, 17164-17170.	13.8	69
62	Molecular engineering of piezoelectricity in collagen-mimicking peptide assemblies. Nature Communications, 2021, 12, 2634.	12.8	68
63	Highly Coplanar Very Long Oligo(alkylfuran)s: A Conjugated System with Specific Head-To-Head Defect. Journal of the American Chemical Society, 2014, 136, 2592-2601.	13.7	67
64	Mononuclear Rh(II) PNP-Type Complexes. Structure and Reactivity. Inorganic Chemistry, 2007, 46, 10479-10490.	4.0	66
65	Single amino acid bionanozyme for environmental remediation. Nature Communications, 2022, 13, 1505.	12.8	66
66	Helically Locked Tethered Twistacenes. Journal of the American Chemical Society, 2018, 140, 8086-8090.	13.7	64
67	Photochemical Reduction of CO₂ with Visible Light Using a Polyoxometalate as Photoreductant. Chemistry - A European Journal, 2017, 23, 92-95.	3.3	63
68	Directing Arylâ^'I versus Arylâ^'Br Bond Activation by Nickel via a Ring Walking Process. Inorganic Chemistry, 2008, 47, 5114-5121.	4.0	62
69	Spontaneous structural transition and crystal formation in minimal supramolecular polymer model. Science Advances, 2016, 2, e1500827.	10.3	62
70	Stable and optoelectronic dipeptide assemblies for power harvesting. Materials Today, 2019, 30, 10-16.	14.2	62
71	Redox-Induced Collapse and Regeneration of a Pincer-Type Complex Framework: A Nonplanar Coordination Mode of Palladium(II). Angewandte Chemie - International Edition, 2005, 44, 1709-1711.	13.8	61
72	Palladium Complexes of Perylene Diimides:Â Strong Fluorescence Despite Direct Attachment of Late Transition Metals to Organic Dyes. Inorganic Chemistry, 2007, 46, 4790-4792.	4.0	61

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73	Tunable Mechanical and Optoelectronic Properties of Organic Cocrystals by Unexpected Stacking Transformation from H- to J- and X-Aggregation. ACS Nano, 2020, 14, 10704-10715.	14.6	61
74	Cï£¿C versus Cï£¿H Activation and versus Agostic Cï£¿C Interaction Controlled by Electron Density at the Metal Center. Chemistry - A European Journal, 2003, 9, 4295-4300.	3.3	60
75	Platinum Stilbazoles:Â Ring-Walking Coupled with Arylâ^'Halide Bond Activation. Journal of the American Chemical Society, 2005, 127, 9322-9323.	13.7	60
76	Diphenylalanine-Derivative Peptide Assemblies with Increased Aromaticity Exhibit Metal-like Rigidity and High Piezoelectricity. ACS Nano, 2020, 14, 7025-7037.	14.6	59
77	Synthesis and Structure of New Osmiumâ^'PCP Complexes. Osmium-Mediated Câ^'C Bond Activation. Organometallics, 2001, 20, 1719-1724.	2.3	57
78	C-Metalated Diazoalkane Complexes of Platinum Based on PCP- and PCN-Type Ligands. Organometallics, 2005, 24, 5937-5944.	2.3	57
79	Cationic, Neutral, and Anionic Platinum(II) Complexes Based on an Electron-Rich PNN Ligand. New Modes of Reactivity Based on Pincer Hemilability and Dearomatization. Organometallics, 2008, 27, 2627-2634.	2.3	57
80	Stepwise Assembly of Coordination-Based Metalâ^'Organic Networks. Journal of the American Chemical Society, 2010, 132, 14554-14561.	13.7	57
81	Modulating the Optical Properties of BODIPY Dyes by Noncovalent Dimerization within a Flexible Coordination Cage. Journal of the American Chemical Society, 2020, 142, 17721-17729.	13.7	57
82	Cobaltâ€Catalyzed Hydrogenation of Esters to Alcohols: Unexpected Reactivity Trend Indicates Ester Enolate Intermediacy. Angewandte Chemie, 2015, 127, 12534-12537.	2.0	56
83	Discovery of the First Metallaquinone. Journal of the American Chemical Society, 2000, 122, 8797-8798.	13.7	55
84	The Methylene-Transfer Reaction:Â Synthetic and Mechanistic Aspects of a Unique Câ^'C Coupling and Câ^'C Bond Activation Sequence. Journal of the American Chemical Society, 2000, 122, 7723-7734.	13.7	55
85	Two Structures of Alliinase from Alliium sativum L.: Apo Form and Ternary Complex with Aminoacrylate Reaction Intermediate Covalently Bound to the PLP Cofactor. Journal of Molecular Biology, 2007, 366, 611-625.	4.2	55
86	Synthesis, Structures, and Dearomatization by Deprotonation of Iron Complexes Featuring Bipyridine-based PNN Pincer Ligands. Inorganic Chemistry, 2013, 52, 9636-9649.	4.0	53
87	CO₂ activation by manganese pincer complexes through different modes of metalâ€“ligand cooperation. Dalton Transactions, 2019, 48, 14580-14584.	3.3	53
88	Methylene Arenium Cations via Quinone Methides and Xylylenes Stabilized by Metal Complexation. Journal of the American Chemical Society, 1998, 120, 477-483.	13.7	52
89	Structural Basis of Restoring Sequence-Specific DNA Binding and Transactivation to Mutant p53 by Suppressor Mutations. Journal of Molecular Biology, 2009, 385, 249-265.	4.2	52
90	CO Oxidation by N₂O Homogeneously Catalyzed by Ruthenium Hydride Pincer Complexes Indicating a New Mechanism. Journal of the American Chemical Society, 2018, 140, 7061-7064.	13.7	52

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91	Bâ"C Bond Cleavage of BAr_FAnion Upon Oxidation of Rhodium(I) with AgBAr_F. Phosphinite Rhodium(I), Rhodium(II), and Rhodium(III) Pincer Complexes. Organometallics, 2008, 27, 2293-2299.	2.3	51
92	Long-Range Spin-Selective Transport in Chiral Metalâ€"Organic Crystals with Temperature-Activated Magnetization. ACS Nano, 2020, 14, 16624-16633.	14.6	51
93	Oxidative Addition of Water to Novel Ir(I) Complexes Stabilized by Dimethyl Sulfoxide Ligands. Journal of the American Chemical Society, 2002, 124, 188-189.	13.7	49
94	Dimethylsulfoxide as a Ligand for RhI and IrI Complexesâ€"Isolation, Structure, and Reactivity Towards Xï£¿H Bonds (X=H, OH, OCH3). Chemistry - A European Journal, 2003, 9, 5237-5249.	3.3	49
95	sp3 Câ€"H and sp2 Câ€"H agostic ruthenium complexes: a combined experimental and theoretical study. Inorganica Chimica Acta, 2004, 357, 1854-1864.	2.4	49
96	Effect of CO on the Oxidative Addition of Arene Cï£¿H Bonds by Cationic Rhodium Complexes. Chemistry - A European Journal, 2010, 16, 328-353.	3.3	49
97	Stepwise Metalâ€"Ligand Cooperation by a Reversible Aromatization/Deconjugation Sequence in Ruthenium Complexes with a Tetradentate Phenanthrolineâ€Based Ligand. Chemistry - A European Journal, 2013, 19, 3407-3414.	3.3	49
98	Bottom-Up Construction of a CO2-Based Cycle for the Photocarbonylation of Benzene, Promoted by a Rhodium(I) Pincer Complex. Journal of the American Chemical Society, 2016, 138, 9941-9950.	13.7	49
99	A minimal length rigid helical peptide motif allows rational design of modular surfactants. Nature Communications, 2017, 8, 14018.	12.8	49
100	High-Efficiency Fluorescence through Bioinspired Supramolecular Self-Assembly. ACS Nano, 2020, 14, 2798-2807.	14.6	49
101	Guest Molecule-Mediated Energy Harvesting in a Conformationally Sensitive Peptideâ€"Metal Organic Framework. Journal of the American Chemical Society, 2022, 144, 3468-3476.	13.7	49
102	Structure of a family IIIa scaffoldin CBD from the cellulosome ofClostridium cellulolyticumat 2.2â€…Ã… resolution. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 1560-1568.	2.5	48
103	DNA Recognition by the RUNX1 Transcription Factor Is Mediated by an Allosteric Transition in the RUNT Domain and by DNA Bending. Structure, 2002, 10, 1395-1407.	3.3	48
104	Rhodium complexes with chiral counterions: achiral catalysts in chiral matrices. Journal of Organometallic Chemistry, 2004, 689, 751-758.	1.8	48
105	Direct Observation of Reductive Elimination of MeX (X = Cl, Br, I) from Rh^{III} Complexes: Mechanistic Insight and the Importance of Sterics. Journal of the American Chemical Society, 2013, 135, 11040-11047.	13.7	48
106	Bâ€"H Bond Cleavage via Metalâ€"Ligand Cooperation by Dearomatized Ruthenium Pincer Complexes. Organometallics, 2014, 33, 3716-3726.	2.3	48
107	?-Accepting-Pincer Rhodium Complexes: An Unusual Coordination Mode of PCP-Type Systems. Chemistry - A European Journal, 2005, 11, 2319-2326.	3.3	47
108	Synthesis and Structure of Group 4 Symmetric Amidinate Complexes and Their Reactivity in the Polymerization of Î±-Olefins. Organometallics, 2013, 32, 6337-6352.	2.3	47

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109	A Stable â€œEndâ€Onâ€•Iron(III)â€“Hydroperoxo Complex in Water Derived from a Multiâ€Iron(II)â€Substituted Polyoxometalate and Molecular Oxygen. Angewandte Chemie - International Edition, 2008, 47, 9908-9912.	13.8	45
110	PNS-Type Ruthenium Pincer Complexes. Organometallics, 2012, 31, 6207-6214.	2.3	45
111	Coordination Chemistry of Nâ€Heterocyclic Nitreniumâ€Based Ligands. Chemistry - A European Journal, 2015, 21, 7099-7110.	3.3	45
112	Planar [6]Radialenes: Structure, Synthesis, and Aromaticity of Benzotriselenophene and Benzotrithiophene. Angewandte Chemie - International Edition, 2007, 46, 8814-8818.	13.8	44
113	Cationâ€“cation bonding in nitrenium metal complexes. Chemical Science, 2014, 5, 1305.	7.4	44
114	Formation and X-ray Structures of PCP Ligand Based Platinum(II) and Palladium(II) Macrocycles. Inorganic Chemistry, 1996, 35, 7068-7073.	4.0	43
115	Competitive Câ^'I versus Câ^'CN Reductive Elimination from a Rh^{III}Complex. Selectivity is Controlled by the Solvent. Journal of the American Chemical Society, 2008, 130, 14374-14375.	13.7	42
116	Metalâ€“Ligand Cooperation Facilitates Bond Activation and Catalytic Hydrogenation with Zinc Pincer Complexes. Journal of the American Chemical Society, 2020, 142, 14513-14521.	13.7	41
117	Transition Metal-Catalyzed Silanone Generation. Journal of the American Chemical Society, 1996, 118, 10894-10895.	13.7	40
118	Solvent-Stabilized Alkylrhodium(III) Hydride Complexes: A Special Mode of Reversible Câ^'H Bond Elimination Involving an Agostic Intermediate. Chemistry - A European Journal, 2000, 6, 3287-3292.	3.3	40
119	PNN Ruthenium Pincer Complexes Based on Phosphinated 2,2â€²-Dipyridinemethane and 2,2â€²-Oxobispyridine. Metalâ€“Ligand Cooperation in Cyclometalation and Catalysis. Organometallics, 2013, 32, 2973-2982.	2.3	40
120	Emergence of chirality and structural complexity in single crystals at the molecular and morphological levels. Nature Communications, 2020, 11, 380.	12.8	40
121	Novel Azine Reactivity: Facile Nï£¿N Bond Cleavage, Cï£¿H Activation, and Nï£¿N Coupling Mediated by RhI. Angewandte Chemie - International Edition, 2003, 42, 1949-1952.	13.8	39
122	From Azobenzene Coordination to Arylâ^'Halide Bond Activation by Platinum. Organometallics, 2007, 26, 4528-4534.	2.3	39
123	Accelerated charge transfer in water-layered peptide assemblies. Energy and Environmental Science, 2020, 13, 96-101.	30.8	39
124	Atypical Cohesin-Dockerin Complex Responsible for Cell Surface Attachment of Cellulosomal Components. Journal of Biological Chemistry, 2013, 288, 16827-16838.	3.4	38
125	Stable Carbene and Diazoalkane Complexes of the Same Complex System. Synthesis, Structure, and Reactivity of PNPâ^'Ru(II) Fluorenylidene and Diazofluorene Complexes. Organometallics, 2008, 27, 3526-3533.	2.3	37
126	Osmium-Mediated Cï£¿H and Cï£¿C Bond Cleavage of a Phenolic Substrate:p-Quinone Methide and Methylene Arenium Pincer Complexes. Chemistry - A European Journal, 2007, 13, 1382-1393.	3.3	36

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127	Singlet fission in self-assembled PDI nanocrystals. Nanoscale, 2018, 10, 20147-20154.	5.6	36
128	Reactivity of Long Conjugated Systems: Selectivity of Dielsâ€“Alder Cycloaddition in Oligofurans. Organic Letters, 2012, 14, 502-505.	4.6	35
129	Precrystalline Aggregates Enable Control over Organic Crystallization in Solution. Angewandte Chemie - International Edition, 2016, 55, 179-182.	13.8	35
130	Consecutive Cyclometalation by Platinum(II). Organometallics, 1996, 15, 2562-2568.	2.3	34
131	2,4-Dimethoxy-2,4-dimethylpentan-3-one: An Aprotic Solvent Designed for Stability in Liâ€“O2 Cells. Journal of the American Chemical Society, 2017, 139, 11690-11693.	13.7	34
132	Imidazole synthesis by transition metal free, base-mediated deaminative coupling of benzylamines and nitriles. Chemical Communications, 2017, 53, 13133-13136.	4.1	34
133	Chiral and SHG-Active Metalâ€“Organic Frameworks Formed in Solution and on Surfaces: Uniformity, Morphology Control, Oriented Growth, and Postassembly Functionalization. Journal of the American Chemical Society, 2020, 142, 14210-14221.	13.7	34
134	Facile H/D Exchange at (Hetero)Aromatic Hydrocarbons Catalyzed by a Stable Trans-Dihydride N-Heterocyclic Carbene (NHC) Iron Complex. Journal of the American Chemical Society, 2020, 142, 17131-17139.	13.7	33
135	Inorganicâ€“organic hybrid materials based on keggin type polyoxometalates and organic polyammonium cations. Journal of Molecular Structure, 2003, 656, 27-35.	3.6	32
136	Reactivity and stability of platinum(ii) formyl complexes based on PCP-type ligands. The significance of sterics. Dalton Transactions, 2007, , 5692.	3.3	32
137	Cocrystallization of a Tripyridyl Donor with Perfluorinated Iodobenzene Derivatives: Formation of Different NÂ·Â·Â·I Halogen Bonds Determining Network vs Plain Packing Crystals. Crystal Growth and Design, 2008, 8, 786-790.	3.0	31
138	Synthesis, Structure, and Reactivity of Nitrosyl Pincer-Type Rhodium Complexes. Organometallics, 2009, 28, 1917-1926.	2.3	31
139	New Tridentate Phosphine Rhodium and Iridium Complexes, Including a Stable Rhodium(I) Silyl. Siâ^'S Activation and a Strong Effect of X in (PP2)Mâ^'X (X = H, Cl, Me) on Siâ^'H Activation. Organometallics, 2002, 21, 5060-5065.	2.3	30
140	Pyridine-Based Sulfoxide Pincer Complexes of Rhodium and Iridium. Organometallics, 2008, 27, 1892-1901.	2.3	30
141	Dicobalt-Î¼-oxo Polyoxometalate Compound, [(Î±₂-P₂W₁₇O₆₁Co)₂O]^{14â€“}: A Potent Species for Water Oxidation, Câ€“H Bond Activation, and Oxygen Transfer. Inorganic Chemistry, 2014, 53, 1779-1787.	4.0	30
142	Solid-State Crystal-to-Crystal Phase Transitions and Reversible Structureâ€“Temperature Behavior of Phosphovanadomolybdic Acid, H₅PV₂Mo₁₀O₄₀. Inorganic Chemistry, 2015, 54, 628-634.	4.0	30
143	Reversible Aromaticity Transfer in a Bora-Cycle: Boronâ€“Ligand Cooperation. Journal of the American Chemical Society, 2016, 138, 13307-13313.	13.7	30
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