

# David Milstein

## 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.

418  
papers

37,298  
citations

103  
h-index

175  
g-index

469  
ext. papers

40,222  
ext. citations

10.2  
avg, IF

7.93  
L-index

#	Paper	IF	Citations
418	Dehydrogenative ester synthesis from enol ethers and water with a ruthenium complex catalyzing two reactions in synergy.. <i>Green Chemistry</i> , <b>2022</b> , 24, 1481-1487	10	3
417	Catalytic Furfural/5-Hydroxymethyl Furfural Oxidation to Furoic Acid/Furan-2,5-dicarboxylic Acid with H <sub>2</sub> Production Using Alkaline Water as the Formal Oxidant.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	4
416	Sustainable catalysis with fluxional acridine-based PNP pincer complexes.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	5
415	Acceptorless dehydrogenative synthesis of primary amides from alcohols and ammonia.. <i>Chemical Science</i> , <b>2022</b> , 13, 3894-3901	9.4	3
414	Homogeneous Catalysis for Sustainable Energy: Hydrogen and Methanol Economies, Fuels from Biomass, and Related Topics. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	24
413	Efficient Base-Free Aqueous Reforming of Methanol Homogeneously Catalyzed by Ruthenium Exhibiting a Remarkable Acceleration by Added Catalytic Thiol. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17284-17291	16.4	9
412	Near-Ambient-Temperature Dehydrogenative Synthesis of the Amide Bond: Mechanistic Insight and Applications. <i>ACS Catalysis</i> , <b>2021</b> , 11, 7383-7393	13.1	6
411	Homogeneous Reforming of Aqueous Ethylene Glycol to Glycolic Acid and Pure Hydrogen Catalyzed by Pincer-Ruthenium Complexes Capable of Metal-Ligand Cooperation. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 4715-4722	4.8	10
410	Highly efficient additive-free dehydrogenation of neat formic acid. <i>Nature Catalysis</i> , <b>2021</b> , 4, 193-201	36.5	28
409	Mechanistic Investigations of Ruthenium Catalyzed Dehydrogenative Thioester Synthesis and Thioester Hydrogenation. <i>ACS Catalysis</i> , <b>2021</b> , 11, 2795-2807	13.1	8
408	Manganese Catalyzed Hydrogenation of Azo (N=N) Bonds to Amines. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 3744-3749	5.6	0
407	Manganese-Pincer-Catalyzed Nitrile Hydration, $\alpha$ -Deuteration, and $\alpha$ -Deuterated Amide Formation via Metal Ligand Cooperation. <i>ACS Catalysis</i> , <b>2021</b> , 11, 10239-10245	13.1	5
406	Catalytic Hydrogenation of Thioesters, Thiocarbamates, and Thioamides. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 21628-21633	16.4	12
405	Synthesis, structure and reactivity of NO, NO <sub>2</sub> and NO pincer PCN-Rh complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 7093-7108	4.3	4
404	Synthesis of oxalamides by acceptorless dehydrogenative coupling of ethylene glycol and amines and the reverse hydrogenation catalyzed by ruthenium. <i>Chemical Science</i> , <b>2020</b> , 11, 7188-7193	9.4	14
403	Oxidation of Alkenes by Water with H <sub>2</sub> Liberation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5980-5984	16.4	16
402	Manganese catalyzed selective hydrogenation of cyclic imides to diols and amines. <i>Green Chemistry</i> , <b>2020</b> , 22, 3079-3082	10	15

401	Synthesis and Reactivity of Cationic Boron Complexes Distorted by Pyridine-based Pincer Ligands: Isolation of a Photochemical Hofmann-Martius-type Intermediate. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4962-4966	3.6	8
400	Synthesis and Reactivity of Cationic Boron Complexes Distorted by Pyridine-based Pincer Ligands: Isolation of a Photochemical Hofmann-Martius-type Intermediate. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4932-4936	16.4	10
399	Recent Advances in the Applications of Metal-Ligand Cooperation via Dearomatization and Aromatization of Pincer Complexes. <i>Topics in Organometallic Chemistry</i> , <b>2020</b> , 1	0.6	
398	Formation of thioesters by dehydrogenative coupling of thiols and alcohols with H <sub>2</sub> evolution. <i>Nature Catalysis</i> , <b>2020</b> , 3, 887-892	36.5	19
397	Redox Noninnocent Nature of Acridine-Based Pincer Complexes of 3d Metals and C≡C Bond Formation. <i>Organometallics</i> , <b>2020</b> , 39, 279-285	3.8	12
396	A Reversible Liquid-to-Liquid Organic Hydrogen Carrier System Based on Ethylene Glycol and Ethanol. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15487-15490	4.8	6
395	Catalytic Oxidative Deamination by Water with H Liberation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20875-20882	16.4	13
394	Hydrogenative Depolymerization of Nylons. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 14267-14275	16.4	33
393	Metal-Ligand Cooperation Facilitates Bond Activation and Catalytic Hydrogenation with Zinc Pincer Complexes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 14513-14521	16.4	19
392	Selective Room-Temperature Hydrogenation of Amides to Amines and Alcohols Catalyzed by a Ruthenium Pincer Complex and Mechanistic Insight. <i>ACS Catalysis</i> , <b>2020</b> , 10, 5511-5515	13.1	18
391	Mechanism of the Manganese-Pincer-Catalyzed Acceptorless Dehydrogenative Coupling of Nitriles and Alcohols. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2398-2403	16.4	50
390	CO activation by manganese pincer complexes through different modes of metal-ligand cooperation. <i>Dalton Transactions</i> , <b>2019</b> , 48, 14580-14584	4.3	32
389	Formamides as Isocyanate Surrogates: A Mechanistically Driven Approach to the Development of Atom-Efficient, Selective Catalytic Syntheses of Ureas, Carbamates, and Heterocycles. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 16486-16493	16.4	26
388	Pd Catalyzed, Acid Accelerated, Rechargeable, Liquid Organic Hydrogen Carrier System Based on Methylpyridines/Methylpiperidines. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 4302-4308	6.1	10
387	Pyridine-Based PCP-Ruthenium Complexes: Unusual Structures and Metal-Ligand Cooperation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7554-7561	16.4	23
386	Ethylene Glycol as an Efficient and Reversible Liquid Organic Hydrogen Carrier. <i>Nature Catalysis</i> , <b>2019</b> , 2, 415-422	36.5	54
385	A Reversible Liquid Organic Hydrogen Carrier System Based on Methanol-Ethylenediamine and Ethylene Urea. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5159-5163	3.6	9
384	Template catalysis by manganese pincer complexes: oxa- and aza-Michael additions to unsaturated nitriles. <i>Chemical Science</i> , <b>2019</b> , 10, 8990-8994	9.4	14

383	Direct Synthesis of Amides by Acceptorless Dehydrogenative Coupling of Benzyl Alcohols and Ammonia Catalyzed by a Manganese Pincer Complex: Unexpected Crucial Role of Base. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12202-12206	16.4	35
382	Manganese Catalyzed Hydrogenation of Carbamates and Urea Derivatives. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12962-12966	16.4	56
381	Mechanism of Coupling of Alcohols and Amines To Generate Aldimines and H <sub>2</sub> by a Pincer Manganese Catalyst. <i>ACS Catalysis</i> , <b>2019</b> , 9, 1662-1669	13.1	47
380	A Reversible Liquid Organic Hydrogen Carrier System Based on Methanol-Ethylenediamine and Ethylene Urea. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5105-5109	16.4	35
379	C-C Bond Formation of Benzyl Alcohols and Alkynes Using a Catalytic Amount of KOtBu: Unusual Regioselectivity through a Radical Mechanism. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3411-3415	3.6	6
378	C-C Bond Formation of Benzyl Alcohols and Alkynes Using a Catalytic Amount of KO Bu: Unusual Regioselectivity through a Radical Mechanism. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3373-3377	16.4	18
377	Dehydrogenative Cross-Coupling of Primary Alcohols To Form Cross-Esters Catalyzed by a Manganese Pincer Complex. <i>ACS Catalysis</i> , <b>2019</b> , 9, 479-484	13.1	45
376	N-Substituted Hydrazones by Manganese-Catalyzed Coupling of Alcohols with Hydrazine: Borrowing Hydrogen and Acceptorless Dehydrogenation in One System. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2201-2204	3.6	26
375	N-Substituted Hydrazones by Manganese-Catalyzed Coupling of Alcohols with Hydrazine: Borrowing Hydrogen and Acceptorless Dehydrogenation in One System. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2179-2182	16.4	88
374	Heterogeneously catalyzed selective hydrogenation of amides to alcohols and amines. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 2784-2788	5.5	15
373	Formal oxidative addition of a C-H bond by a 16e iridium(i) complex involves metal-ligand cooperation. <i>Chemical Communications</i> , <b>2018</b> , 54, 5365-5368	5.8	5
372	Highly Selective, Efficient Deoxygenative Hydrogenation of Amides Catalyzed by a Manganese Pincer Complex via Metal-Ligand Cooperation. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8014-8019	13.1	76
371	Direct Conversion of Alcohols into Alkenes by Dehydrogenative Coupling with Hydrazine/Hydrazone Catalyzed by Manganese. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13444-13448	16.4	38
370	Manganese Catalyzed Hydrogenation of Organic Carbonates to Methanol and Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12076-12080	16.4	96
369	Synthesis of Pyrazines and Quinoxalines via Acceptorless Dehydrogenative Coupling Routes Catalyzed by Manganese Pincer Complexes. <i>ACS Catalysis</i> , <b>2018</b> , 8, 7734-7741	13.1	79
368	Manganese Catalyzed Hydrogenation of Organic Carbonates to Methanol and Alcohols. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12252-12256	3.6	31
367	Metal-Ligand Cooperation as Key in Formation of Dearomatized Ni-H Pincer Complexes and in Their Reactivity toward CO and CO. <i>Organometallics</i> , <b>2018</b> , 37, 2217-2221	3.8	27
366	Direct Conversion of Alcohols into Alkenes by Dehydrogenative Coupling with Hydrazine/Hydrazone Catalyzed by Manganese. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13632-13636	3.6	11

365	Manganese-Catalyzed $\alpha$ -Alkylation of Ketones, Esters, and Amides Using Alcohols. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10300-10305	13.1	105
364	Conversion of Alcohols to Carboxylates Using Water and Base with H <sub>2</sub> Liberation. <i>Topics in Organometallic Chemistry</i> , <b>2018</b> , 175-192	0.6	3
363	Homogeneous Catalysis by Cobalt and Manganese Pincer Complexes. <i>ACS Catalysis</i> , <b>2018</b> , 8, 11435-11469	3.1	277
362	Acceptorless Dehydrogenative Coupling Using Ammonia: Direct Synthesis of N-Heteroaromatics from Diols Catalyzed by Ruthenium. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11931-11934	16.4	47
361	CO Oxidation by NO Homogeneously Catalyzed by Ruthenium Hydride Pincer Complexes Indicating a New Mechanism. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7061-7064	16.4	40
360	Selective Hydrogenation of Cyclic Imides to Diols and Amines and Its Application in the Development of a Liquid Organic Hydrogen Carrier. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7453-7457	16.4	43
359	CO <sub>2</sub> activation by metal-ligand-cooperation mediated by iridium pincer complexes. <i>Journal of Coordination Chemistry</i> , <b>2018</b> , 71, 1679-1689	1.6	10
358	The Ferraquinone-Ferrahydroquinone Couple: Combining Quinonic and Metal-Based Reactivity. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 2799-2807	16.4	22
357	Iron-Catalyzed Mild and Selective Hydrogenative Cross-Coupling of Nitriles and Amines To Form Secondary Aldimines. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2106-2110	3.6	22
356	Iron-Catalyzed Mild and Selective Hydrogenative Cross-Coupling of Nitriles and Amines To Form Secondary Aldimines. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2074-2078	16.4	60
355	Selective N-Formylation of Amines with H <sub>2</sub> and CO <sub>2</sub> Catalyzed by Cobalt Pincer Complexes. <i>ACS Catalysis</i> , <b>2017</b> , 7, 2500-2504	13.1	103
354	Selective Hydrogenation of Nitriles to Secondary Imines Catalyzed by an Iron Pincer Complex. <i>ACS Catalysis</i> , <b>2017</b> , 7, 3968-3972	13.1	64
353	Manganese-Catalyzed Direct Deoxygenation of Primary Alcohols. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4462-4466	13.1	69
352	Manganese-Catalyzed N-Formylation of Amines by Methanol Liberating H <sub>2</sub> : A Catalytic and Mechanistic Study. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4293-4297	3.6	41
351	Hydrogenation and Hydrosilylation of Nitrous Oxide Homogeneously Catalyzed by a Metal Complex. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5720-5723	16.4	40
350	Manganese-Catalyzed N-Formylation of Amines by Methanol Liberating H <sub>2</sub> : A Catalytic and Mechanistic Study. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4229-4233	16.4	135
349	Low-Pressure Hydrogenation of Nitriles to Primary Amines Catalyzed by Ruthenium Pincer Complexes. Scope and mechanism. <i>ChemCatChem</i> , <b>2017</b> , 9, 559-563	5.2	32
348	Direct Synthesis of Amides by Dehydrogenative Coupling of Amines with either Alcohols or Esters: Manganese Pincer Complex as Catalyst. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15188-15192	3.6	32

- 347 Direct Synthesis of Amides by Dehydrogenative Coupling of Amines with either Alcohols or Esters: Manganese Pincer Complex as Catalyst. *Angewandte Chemie - International Edition*, **2017**, 56, 14992-14996 16.4 110
- 346 Direct Synthesis of Benzimidazoles by Dehydrogenative Coupling of Aromatic Diamines and Alcohols Catalyzed by Cobalt. *ACS Catalysis*, **2017**, 7, 7456-7460 13.1 115
- 345 Manganese Catalyzed Olefination of Nitriles by Primary Alcohols. *Journal of the American Chemical Society*, **2017**, 139, 11710-11713 16.4 112
- 344 Synthesis of Cyclic Imides by Acceptorless Dehydrogenative Coupling of Diols and Amines Catalyzed by a Manganese Pincer Complex. *Journal of the American Chemical Society*, **2017**, 139, 11722-11725 16.4 108
- 343 NO<sub>2</sub> Disproportionation by a {RhNO} pincer-type complex. *Dalton Transactions*, **2017**, 46, 16878-16884 4.3 7
- 342 Imidazole synthesis by transition metal free, base-mediated deaminative coupling of benzylamines and nitriles. *Chemical Communications*, **2017**, 53, 13133-13136 5.8 25
- 341 Manganese-Catalyzed Hydrogenation of Esters to Alcohols. *Chemistry - A European Journal*, **2017**, 23, 5934-5938 4.8 162
- 340 Bond Activation by Metal Complexes: Special Issue in Honor of the 2017 Wolf Prize Laureate in Chemistry, Professor Robert G. Bergman. *Israel Journal of Chemistry*, **2017**, 57, 915-915 3.4
- 339 Reversible Aromaticity Transfer in a Bora-Cycle: Boron-Ligand Cooperation. *Journal of the American Chemical Society*, **2016**, 138, 13307-13313 16.4 26
- 338 Direct Synthesis of Symmetrical Azines from Alcohols and Hydrazine Catalyzed by a Ruthenium Pincer Complex: Effect of Hydrogen Bonding. *ACS Catalysis*, **2016**, 6, 8415-8419 13.1 32
- 337 Rechargeable Hydrogen Storage System Based on the Dehydrogenative Coupling of Ethylenediamine with Ethanol. *Angewandte Chemie*, **2016**, 128, 1073-1076 3.6 20
- 336 Z-Selective (Cross-)Dimerization of Terminal Alkynes Catalyzed by an Iron Complex. *Angewandte Chemie*, **2016**, 128, 7056-7059 3.6 24
- 335 Selective hydrogenation of nitriles to primary amines catalyzed by a novel iron complex. *Chemical Communications*, **2016**, 52, 1812-5 5.8 97
- 334 Ketone hydrogenation catalyzed by a new iron(II)PNN complex. *Catalysis Science and Technology*, **2016**, 6, 4428-4437 5.5 27
- 333 Manganese-Catalyzed Environmentally Benign Dehydrogenative Coupling of Alcohols and Amines to Form Aldimines and H<sub>2</sub>: A Catalytic and Mechanistic Study. *Journal of the American Chemical Society*, **2016**, 138, 4298-301 16.4 314
- 332 Unprecedented iron-catalyzed selective hydrogenation of activated amides to amines and alcohols. *Chemical Communications*, **2016**, 52, 5285-8 5.8 84
- 331 Bottom-Up Construction of a CO<sub>2</sub>-Based Cycle for the Photocarbonylation of Benzene, Promoted by a Rhodium(I) Pincer Complex. *Journal of the American Chemical Society*, **2016**, 138, 9941-50 16.4 41
- 330 Highly Efficient Process for Production of Biofuel from Ethanol Catalyzed by Ruthenium Pincer Complexes. *Journal of the American Chemical Society*, **2016**, 138, 9077-80 16.4 87

329	Z-Selective (Cross-)Dimerization of Terminal Alkynes Catalyzed by an Iron Complex. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6942-5	16.4	79
328	Rechargeable Hydrogen Storage System Based on the Dehydrogenative Coupling of Ethylenediamine with Ethanol. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1061-4	16.4	80
327	General Synthesis of Amino Acid Salts from Amino Alcohols and Basic Water Liberating H <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6143-6	16.4	51
326	Reductive Cleavage of CO <sub>2</sub> by Metal-Ligand-Cooperation Mediated by an Iridium Pincer Complex. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6445-54	16.4	67
325	Template Catalysis by Metal-Ligand Cooperation. C-C Bond Formation via Conjugate Addition of Non-activated Nitriles under Mild, Base-free Conditions Catalyzed by a Manganese Pincer Complex. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6985-97	16.4	110
324	Direct Synthesis of Pyrroles by Dehydrogenative Coupling of Diols and Amines Catalyzed by Cobalt Pincer Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14373-14377	16.4	133
323	Direct Synthesis of Pyrroles by Dehydrogenative Coupling of Diols and Amines Catalyzed by Cobalt Pincer Complexes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14585-14589	3.6	39
322	Hydrogenation and dehydrogenation iron pincer catalysts capable of metal-ligand cooperation by aromatization/dearomatization. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 1979-94	24.3	414
321	Selective Hydrogenation of Nitriles to Primary Amines Catalyzed by a Cobalt Pincer Complex. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8888-91	16.4	197
320	O <sub>2</sub> activation by metal-ligand cooperation with Ir(I) PNP pincer complexes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4634-7	16.4	39
319	Cobalt-catalyzed hydrogenation of esters to alcohols: unexpected reactivity trend indicates ester enolate intermediacy. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12357-60	16.4	135
318	How Innocent are Potentially Redox Non-Innocent Ligands? Electronic Structure and Metal Oxidation States in Iron-PNN Complexes as a Representative Case Study. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4909-26	5.1	62
317	Synthesis and reactivity of iron complexes with a new pyrazine-based pincer ligand, and application in catalytic low-pressure hydrogenation of carbon dioxide. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4526-38	5.1	106
316	A novel liquid organic hydrogen carrier system based on catalytic peptide formation and hydrogenation. <i>Nature Communications</i> , <b>2015</b> , 6, 6859	17.4	89
315	Combining Low-Pressure CO <sub>2</sub> Capture and Hydrogenation To Form Methanol. <i>ACS Catalysis</i> , <b>2015</b> , 5, 2416-2422	13.1	124
314	Mechanistic investigations of the catalytic formation of lactams from amines and water with liberation of H <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4851-9	16.4	50
313	Metal-ligand cooperation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12236-73	16.4	738
312	Highly efficient, general hydrogenation of aldehydes catalyzed by PNP iron pincer complexes. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 822-826	5.5	74

311	Direct Synthesis of Secondary Amines From Alcohols and Ammonia Catalyzed by a Ruthenium Pincer Complex. <i>Catalysis Letters</i> , <b>2015</b> , 145, 139-144	2.8	50
310	Cobalt-Catalyzed Hydrogenation of Esters to Alcohols: Unexpected Reactivity Trend Indicates Ester Enolate Intermediacy. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12534-12537	3.6	50
309	Metall-Ligand-Kooperation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12406-12445	3.6	158
308	New ruthenium nitrosyl pincer complexes bearing an O <sub>2</sub> ligand. Mono-oxygen transfer. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 2253-63	5.1	10
307	Metal-ligand cooperation by aromatization-dearomatization as a tool in single bond activation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2015</b> , 373,	3	82
306	Unprecedented iron-catalyzed ester hydrogenation. Mild, selective, and efficient hydrogenation of trifluoroacetic esters to alcohols catalyzed by an iron pincer complex. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4685-9	16.4	164
305	Catalysis by Pincer Complexes: Synthesis of Esters, Amides, and Peptides <b>2014</b> , 1-30		3
304	Oxidant-free conversion of cyclic amines to lactams and H <sub>2</sub> using water as the oxygen atom source. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 2998-3001	16.4	95
303	Bond activation and catalysis by ruthenium pincer complexes. <i>Chemical Reviews</i> , <b>2014</b> , 114, 12024-87	68.1	664
302	Direct catalytic olefination of alcohols with sulfones. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 11092-5	16.4	44
301	BB Bond Cleavage via Metalligand Cooperation by Dearomatized Ruthenium Pincer Complexes. <i>Organometallics</i> , <b>2014</b> , 33, 3716-3726	3.8	43
300	Reversible CO <sub>2</sub> binding triggered by metalligand cooperation in a rhenium(I) PNP pincer-type complex and the reaction with dihydrogen. <i>Chemical Science</i> , <b>2014</b> , 5, 2043-2051	9.4	101
299	Reusable Homogeneous Catalytic System for Hydrogen Production from Methanol and Water. <i>ACS Catalysis</i> , <b>2014</b> , 4, 2649-2652	13.1	144
298	System with potential dual modes of metal-ligand cooperation: highly catalytically active pyridine-based PNNH-Ru pincer complexes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 15727-31	4.8	95
297	Unprecedented Iron-Catalyzed Ester Hydrogenation. Mild, Selective, and Efficient Hydrogenation of Trifluoroacetic Esters to Alcohols Catalyzed by an Iron Pincer Complex. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4773-4777	3.6	48
296	Direct Catalytic Olefination of Alcohols with Sulfones. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11272-11275	3.6	13
295	Hydrogenation of Polar Bonds Catalysed by Ruthenium-Pincer Complexes. <i>Topics in Organometallic Chemistry</i> , <b>2014</b> , 19-43	0.6	20
294	Iron dicarbonyl complexes featuring bipyridine-based PNN pincer ligands with short interpyridine C-C bond lengths: innocent or non-innocent ligand?. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 4403-13	4.8	49



293	Direct observation of reductive elimination of MeX (X = Cl, Br, I) from Rh(III) complexes: mechanistic insight and the importance of sterics. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11040-7	16.4	39
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