Imre PÃ¡pai

List of Publications by Year
in descending order

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143 papers	7,815 citations	47006 47 h-index	54911 84 g-index
165 all docs	165 docs citations	165 times ranked	5576 citing authors

#	Article	IF	Citations
1	Gaussian density functional calculations on hydrogen-bonded systems. Journal of the American Chemical Society, 1992, 114, 4391-4400.	13.7	462
2	Theoretical Studies on the Bifunctionality of Chiral Thiourea-Based Organocatalysts:Â Competing Routes to Câ^'C Bond Formation. Journal of the American Chemical Society, 2006, 128, 13151-13160.	13.7	408
3	Turning Frustration into Bond Activation: A Theoretical Mechanistic Study on Heterolytic Hydrogen Splitting by Frustrated Lewis Pairs. Angewandte Chemie - International Edition, 2008, 47, 2435-2438.	13.8	364
4	A frustrated-Lewis-pair approach to catalytic reduction of alkynes to cis-alkenes. Nature Chemistry, 2013, 5, 718-723.	13.6	343
5	Rationalizing the Reactivity of Frustrated Lewis Pairs: Thermodynamics of H₂ Activation and the Role of Acidâ^'Base Properties. Journal of the American Chemical Society, 2009, 131, 10701-10710.	13.7	303
6	On the Mechanism of B(C₆F₅)₃-Catalyzed Direct Hydrogenation of Imines: Inherent and Thermally Induced Frustration. Journal of the American Chemical Society, 2009, 131, 2029-2036.	13.7	247
7	Expanding the Scope of Metalâ€Free Catalytic Hydrogenation through Frustrated Lewis Pair Design. Angewandte Chemie - International Edition, 2010, 49, 6559-6563.	13.8	234
8	Density functional study of nitrogen oxides. Journal of Chemical Physics, 1994, 100, 2910-2923.	3.0	196
9	Reactivity Models of Hydrogen Activation by Frustrated Lewis Pairs: Synergistic Electron Transfers or Polarization by Electric Field?. Journal of the American Chemical Society, 2013, 135, 4425-4437.	13.7	193
10	Catalytic Hydrogenation with Frustrated Lewis Pairs: Selectivity Achieved by Sizeâ€Exclusion Design of Lewis Acids. Chemistry - A European Journal, 2012, 18, 574-585.	3.3	151
11	Chiral Molecular Tweezers: Synthesis and Reactivity in Asymmetric Hydrogenation. Journal of the American Chemical Society, 2015, 137, 4038-4041.	13.7	151
12	Moisture-Tolerant Frustrated Lewis Pair Catalyst for Hydrogenation of Aldehydes and Ketones. ACS Catalysis, 2015, 5, 5366-5372.	11.2	144
13	Mechanism of hydrogen activation by frustrated Lewis pairs: A molecular orbital approach. International Journal of Quantum Chemistry, 2009, 109, 2416-2425.	2.0	124
14	Metal-Free sp²-Câ€“H Borylation as a Common Reactivity Pattern of Frustrated 2-Aminophenylboranes. Journal of the American Chemical Society, 2016, 138, 4860-4868.	13.7	115
15	Influence of Al2O3 on the performance of CeO2 used as catalyst in the direct carboxylation of methanol to dimethylcarbonate and the elucidation of the reaction mechanism. Journal of Catalysis, 2010, 269, 44-52.	6.2	113
16	Concerted attack of frustrated Lewis acidâ€“base pairs on olefinic double bonds: a theoretical study. Chemical Communications, 2008, , 3148.	4.1	106
17	On the Mechanism of Bifunctional Squaramideâ€Catalyzed Organocatalytic Michael Addition: A Protonated Catalyst as an Oxyanion Hole. Chemistry - A European Journal, 2014, 20, 5631-5639.	3.3	103
18	Hydrogen Bonding in Methyl-Substituted Pyridineâ^'Water Complexes:â€‰ A Theoretical Study. Journal of Physical Chemistry A, 2000, 104, 2132-2137.	2.5	100

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19	Mechanistic Details of Nickel(0)-Assisted Oxidative Coupling of CO₂ with C₂H₄. Organometallics, 2004, 23, 5252-5259.	2.3	95
20	H₂CO₃ Forms via HCO₃^{â˜’} in Water. Journal of Physical Chemistry B, 2010, 114, 16854-16859.	2.6	92
21	Mechanism of Formation of Organic Carbonates from Aliphatic Alcohols and Carbon Dioxide under Mild Conditions Promoted by Carbodiimides. DFT Calculation and Experimental Study. Journal of Organic Chemistry, 2005, 70, 6177-6186.	3.2	90
22	Dihydrooxazine Oxides as Key Intermediates in Organocatalytic Michael Additions of Aldehydes to Nitroalkenes. Angewandte Chemie - International Edition, 2012, 51, 13144-13148.	13.8	89
23	Intramolecular Frustrated Lewis Pair with the Smallest Boryl Site: Reversible H₂ Addition and Kinetic Analysis. Angewandte Chemie - International Edition, 2015, 54, 1749-1753.	13.8	89
24	Density functional study of carbon monoxide chemisorption on model clusters of rhodium and palladium: a comparative analysis of the site selection. Journal of the American Chemical Society, 1992, 114, 7452-7458.	13.7	81
25	Expanding the Boundaries of Waterâ€Tolerant Frustrated Lewis Pair Hydrogenation: Enhanced Back Strain in the Lewis Acid Enables the Reductive Amination of Carbonyls. Angewandte Chemie - International Edition, 2017, 56, 9512-9516.	13.8	79
26	Cooperative Assistance in Bifunctional Organocatalysis: Enantioselective Mannich Reactions with Aliphatic and Aromatic Imines. Angewandte Chemie - International Edition, 2012, 51, 8495-8499.	13.8	78
27	Thiourea Derivatives as BrÃ¸nsted Acid Organocatalysts. ACS Catalysis, 2016, 6, 4379-4387.	11.2	74
28	Theoretical Study of the Interaction of the Ti Atom with CO2:â€‰ Cleavage of the Câ˜’O Bond. Journal of Physical Chemistry A, 1997, 101, 4465-4471.	2.5	71
29	Mechanistic Insight into Asymmetric Hetero-Michael Addition of Î±,Î²-Unsaturated Carboxylic Acids Catalyzed by Multifunctional Thioureas. Journal of the American Chemical Society, 2018, 140, 12216-12225.	13.7	68
30	Computing Reliable Energetics for Conjugate Addition Reactions. Organic Letters, 2007, 9, 4279-4282.	4.6	67
31	Acrylate Formation via Metal-Assisted Câ˜’C Coupling between CO2and C2H4:Â Reaction Mechanism as Revealed from Density Functional Calculations. Journal of the American Chemical Society, 2003, 125, 14847-14858.	13.7	66
32	Halogen Bonding Helicates Encompassing Iodonium Cations. Angewandte Chemie - International Edition, 2019, 58, 9012-9016.	13.8	66
33	CO2Coordination to Nickel Atoms:Â Matrix Isolation and Density Functional Studies. Journal of Physical Chemistry A, 1997, 101, 2626-2633.	2.5	64
34	Evidence for Spontaneous Release of Acrylates from a Transitionâ€Metal Complex Upon Coupling Ethene or Propene with a Carboxylic Moiety or CO₂. Chemistry - A European Journal, 2007, 13, 9028-9034.	3.3	61
35	Theoretical investigation of catalytic HCO3â˜’ hydrogenation in aqueous solutions. Catalysis Today, 2006, 115, 53-60.	4.4	57
36	Association of frustrated phosphineâ€“borane pairs in toluene: molecular dynamics simulations. Dalton Transactions, 2012, 41, 9023.	3.3	57

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37	Density Functional Calculations on Model Clusters of Zeolite-.beta.. The Journal of Physical Chemistry, 1994, 98, 4654-4659.	2.9	55
38	Modeling of N2 and O2 Adsorption in Zeolites. The Journal of Physical Chemistry, 1995, 99, 12925-12932.	2.9	54
39	Carbon dioxide interaction with metal atoms: matrix isolation spectroscopic study and DFT calculations. Coordination Chemistry Reviews, 1999, 190-192, 557-576.	18.8	54
40	An IR Matrix Isolation and DFT Theoretical Study of the First Steps of the Ti(0) Ethylene Reaction: Vinyl Titanium Hydride and Titanacyclopropene. Journal of Physical Chemistry A, 1997, 101, 9650-9659.	2.5	53
41	Vibrational spectroscopic and force field studies of N,N-dimethylthioformamide, N,N-dimethylformamide, their deuterated analogues and bis(N,N-dimethylthioformamide)mercury(II) perchlorate. Vibrational Spectroscopy, 1997, 14, 207-227.	2.2	53
42	Mechanochemical Synthesis of Corannuleneâ€Based Curved Nanographenes. Angewandte Chemie - International Edition, 2020, 59, 21620-21626.	13.8	53
43	Cross-Dehydrogenative Couplings between Indoles and Î²-Keto Esters: Ligand-Assisted Ligand Tautomerization and Dehydrogenation via a Proton-Assisted Electron Transfer to Pd(II). Journal of the American Chemical Society, 2014, 136, 6453-6462.	13.7	52
44	Reaction mechanism of the direct carboxylation of methanol to dimethylcarbonate: experimental and theoretical studies. Topics in Catalysis, 2006, 40, 71-81.	2.8	50
45	Vanadium Insertion into CO2, CS2and OCS: A Comparative Theoretical Study. Journal of Physical Chemistry A, 2002, 106, 4181-4186.	2.5	49
46	Theoretical Mechanistic Study of Rhodium(I) Phosphine-Catalyzed H/D Exchange Processes in Aqueous Solutions. Organometallics, 2005, 24, 3059-3065.	2.3	49
47	On the Existence of the Elusive Monomethyl Ester of Carbonic Acid [CH3OC(O)OH] at 300 K:1H- and13C NMR Measurements and DFT Calculations. European Journal of Inorganic Chemistry, 2006, 2006, 908-913.	2.0	48
48	Mukaiyamaâ€“Michael Reactions with transâ€2,5â€Diarylpyrrolidine Catalysts: Enantioselectivity Arises from Attractive Noncovalent Interactions, Not from Steric Hindrance. Chemistry - A European Journal, 2014, 20, 5983-5993.	3.3	48
49	Dual Hydrogenâ€Bond/Enamine Catalysis Enables a Direct Enantioselective Threeâ€Component Domino Reaction. Angewandte Chemie - International Edition, 2011, 50, 6123-6127.	13.8	47
50	Hydrogen Activation by Frustrated Lewis Pairs: Insights from Computational Studies. Topics in Current Chemistry, 2013, 332, 157-211.	4.0	47
51	First principles molecular dynamics calculation of the structure and acidity of a bulk zeolite. Chemical Physics Letters, 1994, 226, 245-250.	2.6	44
52	Calculation of equilibrium geometries and harmonic frequencies by theLCGTO-MCP-local spin density method. International Journal of Quantum Chemistry, 1990, 38, 29-39.	2.0	42
53	Singlet- and triplet-state (ethene)nickel: a density functional study. The Journal of Physical Chemistry, 1993, 97, 9986-9991.	2.9	39
54	2Aâ€˜ and2Aâ€˜Ââ€˜ Energy Surfaces for the Sc + CO2â†' ScO + CO Reaction. Journal of Physical Chemistry A, 2002, 106, 9551-9557.	2.5	39

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55	Molecular structure of mono- and dicarbonyls of rhodium and palladium. Theoretica Chimica Acta, 1992, 84, 217-235.	0.8	37
56	Theoretical study of the Cu(H2O) and Cu(NH3) complexes and their photolysis products. Journal of Chemical Physics, 1995, 103, 1860-1870.	3.0	36
57	Nuclear spin hyperpolarization with ansa-aminoboranes: a metal-free perspective for parahydrogen-induced polarization. Physical Chemistry Chemical Physics, 2016, 18, 27784-27795.	2.8	34
58	A density functional study of Sc2 and Sc3. Chemical Physics Letters, 1997, 267, 551-556.	2.6	32
59	Atomâ€Efficient Synthesis of Alkynylfluoroborates Using BF₃â€Based Frustrated Lewis Pairs. Angewandte Chemie - International Edition, 2016, 55, 14146-14150.	13.8	32
60	Rotational reorientation dynamics of nile blue A and oxazine 720 in protic solvents. Chemical Physics, 2003, 286, 81-96.	1.9	31
61	Hydride Donor Abilities of Cationic Transition Metal Hydrides from DFT-PCM Calculations. Organometallics, 2006, 25, 820-825.	2.3	31
62	Rearrangements of Nâ€Heterocyclic Carbenes of Pyrazole to 4â€Aminoquinolines and Benzoquinolines. European Journal of Organic Chemistry, 2010, 2010, 4296-4305.	2.4	31
63	The solid state structure and reactivity of NbCl5Â·(N,Nâ€²-dicyclohexylurea) in solution: evidence for co-ordinated urea dehydration to the relevant carbodiimide. Dalton Transactions, 2010, 39, 6985.	3.3	31
64	Numerical grids for density functional calculations of molecular properties. International Journal of Quantum Chemistry, 1994, 52, 799-807.	2.0	30
65	Mechanism of Heterolytic Hydrogen Splitting by Frustrated Lewis Pairs: Comparison of Static and Dynamic Models. ACS Catalysis, 2019, 9, 6049-6057.	11.2	30
66	Metal Insertion Route of the Ni + CO2 â†' NiO + CO Reaction. Journal of Physical Chemistry A, 2003, 107, 6708-6713.	2.5	29
67	Stereocontrol in Diphenylprolinol Silyl Ether Catalyzed Michael Additions: Steric Shielding or Curtinâ€“Hammett Scenario?. Journal of the American Chemical Society, 2017, 139, 17052-17063.	13.7	29
68	Glyphosate complexation to aluminium(III). An equilibrium and structural study in solution using potentiometry, multinuclear NMR, ATRâ€“FTIR, ESI-MS and DFT calculations. Journal of Inorganic Biochemistry, 2009, 103, 1426-1438.	3.5	27
69	Vibrational analysis of formate adsorbed on Ni(110): LCGTO-MCP-LSD study. Surface Science, 1992, 262, L134-L138.	1.9	25
70	Theoretical Investigation of the Reactivity of Copper Atoms with OCS:Â Comparison with CS2and CO2. Journal of Physical Chemistry A, 2005, 109, 7932-7937.	2.5	25
71	Catalytic Synthesis of Hydroxymethylâ€2â€oxazolidinones from Glycerol or Glycerol Carbonate and Urea. ChemSusChem, 2013, 6, 345-352.	6.8	25
72	A Catalyst Designed for the Enantioselective Construction of Methylâ€•and Alkylâ€Substituted Tertiary Stereocenters. Angewandte Chemie - International Edition, 2016, 55, 669-673.	13.8	25

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73	Replacing C₆F₅ groups with Cl and H atoms in frustrated Lewis pairs: H₂ additions and catalytic hydrogenations. Dalton Transactions, 2017, 46, 2263-2269.	3.3	25
74	Catalytic Activity of trans-Bis(pyridine)gold Complexes. Journal of the American Chemical Society, 2020, 142, 6439-6446.	13.7	25
75	Origin of Stereoselectivity in FLP-Catalyzed Asymmetric Hydrogenation of Imines. ACS Catalysis, 2020, 10, 14290-14301.	11.2	24
76	Enantioselective Acetalization by Dynamic Kinetic Resolution for the Synthesis of Î³â€Alkoxybutenolides by Thiourea/Quaternary Ammonium Salt Catalysts: Application to Strigolactones. Angewandte Chemie - International Edition, 2020, 59, 13479-13483.	13.8	24
77	Unprecedented formal â€˜2+2â€™ addition of allene to CO2 promoted by [RhCl(C2H4)(PiPr3)]2: direct synthesis of the four membered lactone Î±-methylene-Î²-oxiethanone. The intermediacy of [RhH2Cl(PiPr3)]2: theoretical aspects and experiments. Inorganica Chimica Acta, 2002, 334, 294-300.	2.4	22
78	Reaction Mechanisms in the Direct Carboxylation of Alcohols for the Synthesis of Acyclic Carbonates. Topics in Catalysis, 2015, 58, 2-14.	2.8	22
79	Organocatalysts Fold To Generate an Active Site Pocket for the Mannich Reaction. ACS Catalysis, 2017, 7, 3284-3294.	11.2	22
80	Mechanism of Au(III)-Mediated Alkoxycyclization of a 1,6-Enyne. Journal of the American Chemical Society, 2019, 141, 18221-18229.	13.7	22
81	An LCGTO-MCP-LSD study of the (2 Ã— 1) H-covered Pd(110) surface. Surface Science, 1990, 236, 241-249.	1.9	21
82	Behaviour of[PdH(dppe)2]X (X=CF3SO3â^', SbF6â^', BF4â^') as Proton or Hydride Donor: Relevance to Catalysis. Chemistry - A European Journal, 2004, 10, 3708-3716.	3.3	21
83	Conceptual Problem with Calculating Electron Densities in Finite Basis Density Functional Theory. Journal of Chemical Theory and Computation, 2017, 13, 3961-3963.	5.3	21
84	Metalâ€Free Câ^'H Borylation of Nâ€Heteroarenes by Boron Trifluoride. Chemistry - A European Journal, 2020, 26, 13873-13879.	3.3	21
85	Spectroscopic and theoretical study of [PdCl3(C2H4)]â^' and [PdCl3(C2D4)]â^' complexes. Journal of Organometallic Chemistry, 1999, 584, 118-121.	1.8	20
86	Chemisorption of formate and acetate on cluster models of Rh and bimetallic RhSn clusters. Surface Science, 1993, 282, 262-272.	1.9	19
87	Superstable Palladium(0) Complex as an Airâ€•and Thermostable Catalyst for Suzuki Coupling Reactions. European Journal of Organic Chemistry, 2015, 2015, 60-66.	2.4	19
88	Base-induced reversible H₂ addition to a single Sn(<scp>ii</scp>) centre. Chemical Science, 2018, 9, 8716-8722.	7.4	19
89	The reaction mechanism in the ethanolysis of urea with transition metal-based catalysts: DFT calculations and experiments. Journal of CO2 Utilization, 2014, 8, 27-33.	6.8	18
90	Correlating electronic and catalytic properties of frustrated Lewis pairs for imine hydrogenation. Journal of Organometallic Chemistry, 2017, 847, 258-262.	1.8	18

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91	Synthesis, Characterization, and Reactivity of Cationic Hydride [HPd(diphosphine)2]+CF3SO3-, the Missing Member of the Family [HM(dppe)2]+X-(M = Ni, Pd, Pt). DFT QM/MM Structural Predictions for the [HPd(dppe)2]+Moiety. Inorganic Chemistry, 2002, 41, 6550-6552.	4.0	17
92	Identification of Cu2(N2) and Cu2(N2)2Complexes:Â Matrix Isolation and Density Functional Studiesâ€. Journal of Physical Chemistry A, 2000, 104, 3572-3578.	2.5	16
93	Folding Patterns in a Family of Oligoamide Foldamers. Chemistry - A European Journal, 2015, 21, 9493-9504.	3.3	16
94	Ionizing radiation induced degradation of monuron in dilute aqueous solution. Radiation Physics and Chemistry, 2016, 124, 191-197.	2.8	16
95	Expanding the Boundaries of Waterâ€Tolerant Frustrated Lewis Pair Hydrogenation: Enhanced Back Strain in the Lewis Acid Enables the Reductive Amination of Carbonyls. Angewandte Chemie, 2017, 129, 9640-9644.	2.0	16
96	RuBisCOâ€Inspired CO₂ Activation and Transformation by an Iridium(I) Complex. Angewandte Chemie - International Edition, 2018, 57, 2455-2458.	13.8	16
97	Halogen Bonding Helicates Encompassing Iodonium Cations. Angewandte Chemie, 2019, 131, 9110-9114.	2.0	16
98	Analysis of the vibrational spectra, force fields, and molecular structures of pentacarbonyl(methyl)manganese(I) and pentacarbonyl(methyl)rhenium(I). Journal of Organometallic Chemistry, 2000, 616, 1-9.	1.8	15
99	Structure and Properties of the [Ru(bpy)(CN)4]2- Complex and Its Solvent Environment:â€‰ X-ray Diffraction and Density Functional Study. Journal of Physical Chemistry A, 2003, 107, 9903-9909.	2.5	15
100	Theoretical Investigation of the Reactivity of Copper Atoms with Carbon Disulfide. Journal of Physical Chemistry A, 2003, 107, 2711-2715.	2.5	15
101	Stereoelectronic Requirements for Optimal Hydrogenâ€Bondâ€Catalyzed Enolization. Chemistry - A European Journal, 2011, 17, 2859-2866.	3.3	15
102	Mechanochemical Synthesis of Corannuleneâ€Based Curved Nanographenes. Angewandte Chemie, 2020, 132, 21804-21810.	2.0	14
103	The Influence of Secondary Interactions on the [Nâ”Iâ”N]⁺ Halogen Bond. Chemistry - A European Journal, 2021, 27, 13748-13756.	3.3	14
104	Synthesis of azahelicenes through Mallory reaction of imine precursors: corannulene substrates provide an exception to the rule in oxidative photocyclizations of diarylethenes. Chemical Science, 2021, 12, 3977-3983.	7.4	14
105	Atomâ€Efficient Synthesis of Alkynylfluoroborates Using BF₃â€Based Frustrated Lewis Pairs. Angewandte Chemie, 2016, 128, 14352-14356.	2.0	12
106	Establishing the Role of Triflate Anions in H₂ Activation by a Cationic Triorganotin(IV) Lewis Acid. ACS Catalysis, 2020, 10, 7573-7583.	11.2	12
107	Calculation of normal frequencies of adsorbed molecules by the LCGTO-MCP-LSD method. Surface Science, 1990, 240, L604-L608.	1.9	11
108	The covalently bound N3O2 molecule: Two possible isomers. Chemical Physics Letters, 1996, 253, 196-200.	2.6	11

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109	Can the FeCO bending be higher than the FeC stretching frequency in CO adducts of heme proteins?. Chemical Physics Letters, 1998, 287, 531-534.	2.6	11
110	Observation and interpretation of 157.5ÂT internal magnetic field in Fe[C(SiMe3)3]2 coordination compound. Structural Chemistry, 2009, 20, 453-460.	2.0	11
111	Total Synthesis of Stemoamide, 9a-epi-Stemoamide, and 9a,10-epi-Stemoamide: Divergent Stereochemistry of the Final Methylation Steps. Synlett, 2020, 31, 1581-1586.	1.8	11
112	Recent developments of FT-IR and Raman spectroscopy in coordination chemistry. Pure and Applied Chemistry, 1989, 61, 973-978.	1.9	10
113	The Ti 2 H 2 molecule: terminal or bridging hydrogens ?. Theoretical Chemistry Accounts, 2000, 104, 131-139.	1.4	10
114	Vibrational Spectroscopic and Theoretical Studies of Urea Derivatives with Biochemical Interest:N,Nâ€²-Dimethylurea,N,N,Nâ€²,Nâ€²-Tetramethylurea, andN,Nâ€²-Dimethylpropyleneurea. Applied Spectroscopy Reviews, 2010, 45, 274-326.	6.7	10
115	A novel ambident reactivity of azolylacroleins. Tetrahedron, 2007, 63, 4730-4736.	1.9	9
116	Synthesis and X-ray characterization of [RhCl(C2H4)(PiPr3)]2. Multinuclear NMR and DFT investigation of its solid-state and solution reaction with dihydrogen. Ethene and propene hydrogenation by the solid Rh-hydrides. Dalton Transactions, 2009, , 7924.	3.3	9
117	RuBisCOâ€inspirierte CO₂â€Aktivierung und Umwandlung durch einen Iridium(I)â€Komplex. Angewandte Chemie, 2018, 130, 2480-2483.	2.0	9
118	Transition Metal-Free Direct Hydrogenation of Esters via a Frustrated Lewis Pair. ACS Catalysis, 2021, 11, 9143-9150.	11.2	9
119	Theoretical analysis of bis(ethylene) complexes of molybdenum and tungsten. Journal of Organometallic Chemistry, 2002, 663, 83-90.	1.8	8
120	Steric Control of Geminal Lewis Pair Behavior: Frustration Induced Dyotropic Rearrangement. Synlett, 2014, 25, 1525-1528.	1.8	8
121	N-benzoylimido complexes of palladium. Synthesis, structural characterisation and structureâ€“reactivity relationship. Dalton Transactions, 2004, , 2041-2050.	3.3	7
122	Oâ€“Iâ€“O halogen bond of halonium ions. Chemical Communications, 2020, 56, 9671-9674.	4.1	7
123	Multinuclear NMR and DFT studies of the structure and fluxionality for MIIIâ€“ethylenediamine-tetraacetate complexes (M(EDTA)â¯, M=Al, Ga and In) in solution. Journal of Molecular Liquids, 2007, 131-132, 72-80.	4.9	6
124	Modeling of adsorption properties of zeolites. Studies in Surface Science and Catalysis, 1995, , 109-116.	1.5	5
125	A Cyclobuteneâ€1,2â€bis(imidazolium) Salt as Preligand for Palladiumâ€Catalyzed Crossâ€Coupling Reactions: Properties and Applications. European Journal of Organic Chemistry, 2012, 2012, 754-763.	2.4	5
126	Enantioselective Acetalization by Dynamic Kinetic Resolution for the Synthesis of Î³â€Alkoxybutenolides by Thiourea/Quaternary Ammonium Salt Catalysts: Application to Strigolactones. Angewandte Chemie, 2020, 132, 13581-13585.	2.0	5

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127	Halogen Bonds of Iodonium Ions: A World Dissimilar to Silver Coordination. Bulletin of the Chemical Society of Japan, 2021, 94, 191-196.	3.2	5
128	MÃ¶ssbauer magnetization and nuclear magnetic resonance measurements on some iridium(I) complexes with fullerene ligands. Journal of Radioanalytical and Nuclear Chemistry, 2004, 260, 133-142.	1.5	4
129	Dimerization of (+)-Lysergic Acid Esters. Heterocycles, 2007, 71, 1075.	0.7	4
130	157ÂT internal magnetic field in Fe[C(SiMe3)3]2 compound at 20ÂK. Hyperfine Interactions, 2008, 185, 185-189.	0.5	4
131	Conformationally Locked Pyramidality Explains the Diastereoselectivity in the Methylation of trans-Fused Butyrolactones. Organic Letters, 2020, 22, 4597-4601.	4.6	4
132	Are bis(pyridine)iodine(<scp>i</scp>) complexes applicable for asymmetric halogenation?. Organic and Biomolecular Chemistry, 2021, 19, 8307-8323.	2.8	4
133	Dynamic Refolding of Ion-Pair Catalysts in Response to Different Anions. Journal of Organic Chemistry, 2019, 84, 15009-15019.	3.2	3
134	Air-stable 18-electron adducts of Schrock catalysts with tuned stability constants for spontaneous release of the active species. Communications Chemistry, 2021, 4, .	4.5	3
135	Carboxylate Catalyzed Isomerization of Î²,Î³â€Unsaturated Nâ€Acetylcysteamine Thioesters**. Chemistry - A European Journal, 2022, 28, .	3.3	3
136	Theoretical Study of CO Chemisorption on Rh and Pd Clusters. Studies in Surface Science and Catalysis, 1993, 75, 1547-1550.	1.5	2
137	Cover Picture: Expanding the Scope of Metalâ€Free Catalytic Hydrogenation through Frustrated Lewis Pair Design (Angew. Chem. Int. Ed. 37/2010). Angewandte Chemie - International Edition, 2010, 49, 6459-6459.	13.8	2
138	Synthesis and Characterization of Fe⁰(2,2â€²â€bipyridine) (2â€aminoethylâ€pyridine) and its Reaction with Dihydrogen. ChemSusChem, 2017, 10, 220-225.	6.8	2
139	Titelbild: Expanding the Scope of Metal-Free Catalytic Hydrogenation through Frustrated Lewis Pair Design (Angew. Chem. 37/2010). Angewandte Chemie, 2010, 122, 6605-6605.	2.0	0
140	Raman, Infrared, Far-infrared and Theoretical Studies of Urea Derivatives with Biological Interest. , 2010, , .		0
141	RÃ¼cktitelbild: Intramolecular Frustrated Lewis Pair with the Smallest Boryl Site: Reversible H2Addition and Kinetic Analysis (Angew. Chem. 6/2015). Angewandte Chemie, 2015, 127, 1998-1998.	2.0	0
142	Frontispiz: Halogen Bonding Helicates Encompassing Iodonium Cations. Angewandte Chemie, 2019, 131, .	2.0	0
143	Frontispiece: Halogen Bonding Helicates Encompassing Iodonium Cations. Angewandte Chemie - International Edition, 2019, 58, .	13.8	0