Douglas Stephan

List of Publications by Year in Descending Order

590 papers	36,429 citations	92 h-index	168 g-index
691 ext. papers	39,934 ext. citations	7.3 avg, IF	8.36 L-index

#	Paper	IF	Citations
590	Frustrated Lewis Pair Catalysis: An Introduction. *Molecular Catalysis*, **2021**, 1-28	0.3	
589	Diverse Uses of the Reaction of Frustrated Lewis Pair (FLP) with Hydrogen. *Journal of the American Chemical Society*, **2021**, 143, 20002-20014	16.4	15
588	Selective Catalytic Frustrated Lewis Pair Hydrogenation of CO in the Presence of Silylhalides. *Angewandte Chemie - International Edition*, **2021**, 60, 25771-25775	16.4	2
587	Selective Catalytic Frustrated Lewis Pair Hydrogenation of CO2 in the Presence of Silylhalides. *Angewandte Chemie*, **2021**, 133, 25975	3.6	1
586	Reactions of B2(o-tolyl)4 with Boranes: Assembly of the Pentaborane(9), HB[B(o-tolyl)(□H)]4. *Angewandte Chemie*, **2021**, 133, 8613-8617	3.6	0
585	Facile Synthesis of Cyanide and Isocyanides from CO. *Angewandte Chemie*, **2021**, 133, 17102-17106	3.6	2
584	Facile Synthesis of Cyanide and Isocyanides from CO. *Angewandte Chemie - International Edition*, **2021**, 60, 16965-16969	16.4	4
583	A Primary Acyl Phosphine Stabilized by a Phosphonium Ylide. *Angewandte Chemie*, **2021**, 133, 18695-18699	3.6	1
582	A Primary Acyl Phosphine Stabilized by a Phosphonium Ylide. *Angewandte Chemie - International Edition*, **2021**, 60, 18547-18551	16.4	2
581	The Reactivity of Isomeric Nitrenium Lewis Acids with Phosphines, Carbenes, and Phosphide. *Chemistry - A European Journal*, **2021**, 27, 2861-2867	4.8	3
580	Oxyphosphoranes as precursors to bridging phosphate-catecholate ligands. *Chemical Communications*, **2021**, 57, 1194-1197	5.8	1
579	Lithium Dicyclohexylamide in Transition-Metal-Free Fischer-Tropsch Chemistry. *Journal of the American Chemical Society*, **2021**, 143, 634-638	16.4	22
578	B(CF)-Catalyzed site-selective -alkylation of benzotriazoles with diazoalkanes. *Chemical Communications*, **2021**, 57, 7758-7761	5.8	7
577	Reactions of B (o-tolyl) with Boranes: Assembly of the Pentaborane(9), HB[B(o-tolyl)(□H)]. *Angewandte Chemie - International Edition*, **2021**, 60, 8532-8536	16.4	3
576	Bipyridinium and Phenanthrolinium Dications for Metal-Free Hydrodefluorination: Distinctive Carbon-Based Reactivity. *Chemistry - A European Journal*, **2021**, 27, 11730-11737	4.8	2
575	Reactions of a Dilithiomethane with CO and N O: An Avenue to an Anionic Ketene and a Hexafunctionalized Benzene. *Angewandte Chemie - International Edition*, **2021**, 60, 25281-25285	16.4	4
574	Steric Influence on Reactions of Benzyl Potassium Species with CO. *Chemistry - an Asian Journal*, **2021**, 16, 3640-3644	4.5	1

573	Lewis Superacidic Catecholato Phosphonium Ions: Phosphorus-Ligand Cooperative C-H Bond Activation. *Journal of the American Chemical Society*, **2021**, 143, 15845-15851	16.4	9
572	Catalysis, FLPs, and Beyond. *CheM*, **2020**, 6, 1520-1526	16.2	37
571	Isolable Anionic, Neutral and Cationic Radicals from Reactions of N,N'-Dimesityldiamidocarbene and Lewis Acids. *Chemistry - A European Journal*, **2020**, 26, 7194-7198	4.8	6
570	The phosphinoboration of acyl chlorides. *Dalton Transactions*, **2020**, 49, 5092-5099	4.3	9
569	Reactions of carbene-stabilized borenium cations. *Dalton Transactions*, **2020**, 49, 1839-1846	4.3	6
568	Using frustrated Lewis pairs to explore C-F bond activation. *Dalton Transactions*, **2020**, 49, 1319-1324	4.3	3
567	Addition reactions and diazomethane capture by the intramolecular P-O-B FLP: tBuPOBcat. *Dalton Transactions*, **2020**, 49, 901-910	4.3	11
566	Avenue to phosphaalkenes from PhGePCO. *Dalton Transactions*, **2020**, 49, 885-890	4.3	4
565	Frustrated Lewis pair-catalyzed double hydroarylation of alkynes with N-substituted pyrroles. *Chemical Communications*, **2020**, 56, 1855-1858	5.8	7
564	A recyclable metal-organic framework for ammonia vapour adsorption. *Chemical Communications*, **2020**, 56, 9600-9603	5.8	16
563	Insertion reactions of the C-B-N-substituted borinium cation [MesBNPr]. *Dalton Transactions*, **2020**, 49, 17571-17577	4.3	2
562	Group 13-derived radicals from □diimines hydro- and carboalumination reactions. *Dalton Transactions*, **2020**, 49, 11689-11696	4.3	2
561	An intermolecular FLP System derived from an NHC-coordinated trisilacyclopropylidene. *Dalton Transactions*, **2020**, 49, 13386-13392	4.3	7
560	An arene-stabilized □pentamethylcyclopentadienyl antimony dication acts as a source of Sb or Sb cations. *Chemical Communications*, **2020**, 56, 12953-12956	5.8	9
559	1,1-Phosphinoboration of diazomethanes. *Chemical Communications*, **2019**, 55, 12100-12103	5.8	10
558	Phosphaaluminirenes: Synthons for Main Group Heterocycles. *Journal of the American Chemical Society*, **2019**, 141, 16971-16982	16.4	16
557	Acyl-Phosphide Anions via an Intermediate with Carbene Character: Reactions of K[PtBu2] and CO. *Angewandte Chemie*, **2019**, 131, 3586-3590	3.6	5
556	Axially Chiral, Electrophilic Fluorophosphonium Cations: Synthesis, Lewis Acidity, and Reactivity in the Hydrosilylation of Ketones. *Organometallics*, **2019**, 38, 712-721	3.8	18

555	Electrophilic boron carboxylate and phosphinate complexes. *Dalton Transactions*, **2019**, 48, 2038-2045	4.3	1
554	Diphospha-Ureas from the Phosphaketene Ph GePCO. *Chemistry - A European Journal*, **2019**, 25, 10084-10087	4.8	4
553	9-Borabicyclo[3.3.l]nonane-induced Friedel-Crafts benzylation of arenes with benzyl fluorides. *Organic and Biomolecular Chemistry*, **2019**, 17, 5258-5261	3.9	7
552	Reversible Intramolecular Cycloaddition of Phosphaalkene to an Arene Ring. *Journal of the American Chemical Society*, **2019**, 141, 8083-8087	16.4	15
551	Carbonyl and olefin hydrosilylation mediated by an air-stable phosphorus(iii) dication under mild conditions. *Chemical Communications*, **2019**, 55, 5599-5602	5.8	27
550	New Directions for Frustrated Lewis Pair Chemistry. *Trends in Chemistry*, **2019**, 1, 35-48	14.8	139
549	Hydroboration without a B-H bond: reactions of the borinium cation [(iPrN)B] with alkyne, nitrile, ketone and diazomethane. *Chemical Communications*, **2019**, 55, 5155-5158	5.8	11
548	N-Heterocyclic Carbene Derived 3-Azabutadiene as a Base in Classic and Frustrated Lewis Pair Chemistry. *Chemistry - A European Journal*, **2019**, 25, 7110-7113	4.8	5
547	Activation of H and EtSiH by the Borinium Cation [MesB]: Avenues to Cations [MesB(H)(Mes)BMes] and [HB(H)(Mes)B(Mes)(H)BH]. *Journal of the American Chemical Society*, **2019**, 141, 6180-6184	16.4	23
546	The Arene-Stabilized -Pentamethylcyclopentadienyl Arsenic Dication [(-Cp*)As(toluene)]. *Angewandte Chemie - International Edition*, **2019**, 58, 5407-5412	16.4	30
545	The Arene-Stabilized 5-Pentamethylcyclopentadienyl Arsenic Dication [(5-Cp*)As(toluene)]2+. *Angewandte Chemie*, **2019**, 131, 5461-5466	3.6	14
544	C-F Bond Activation Mediated by Phosphorus Compounds. *Chemistry - A European Journal*, **2019**, 25, 9350-9357	4.8	26
543	Radicals derived from Lewis acid/base pairs. *Chemical Society Reviews*, **2019**, 48, 3454-3463	58.5	59
542	Synthesis of acyl(chloro)phosphines enabled by phosphinidene transfer. *Chemical Science*, **2019**, 10, 3627-3631	9.4	15
541	Phosphinoboration of Diazobenzene: Intramolecular FLP Synthon for PN B-Derived Heterocycles. *Chemistry - A European Journal*, **2019**, 25, 12521-12525	4.8	13
540	Hydrofunctionalisation of an Aromatic Triphosphabenzene. *Chemistry - A European Journal*, **2019**, 25, 12507-12511	4.8	1
539	Oligomerization of phosphaalkynes mediated by bulky N-heterocyclic carbenes: avenues to novel phosphorus frameworks. *Dalton Transactions*, **2019**, 48, 14242-14245	4.3	5
538	Double Phosphinoboration of CO : A Facile Route to Diphospha-Ureas. *Chemistry - A European Journal*, **2019**, 25, 12063-12067	4.8	12

537	P(v) dications: carbon-based Lewis acid initiators for hydrodefluorination. *Chemical Communications*, **2019**, 55, 8971-8974	5.8	13
536	Base-Stabilized [PO] /[PO] Cations. *Angewandte Chemie - International Edition*, **2019**, 58, 18276-18280	16.4	10
535	Single Electron Transfer to Diazomethane□Borane Adducts Prompts C□H Bond Activations. *Angewandte Chemie*, **2019**, 131, 18658-18662	3.6	1
534	Single Electron Transfer to Diazomethane-Borane Adducts Prompts C-H Bond Activations. *Angewandte Chemie - International Edition*, **2019**, 58, 18487-18491	16.4	12
533	Synthesis of Urea Derivatives from CO2 and Silylamines. *Angewandte Chemie*, **2019**, 131, 5763-5767	3.6	13
532	Synthesis of Urea Derivatives from CO and Silylamines. *Angewandte Chemie - International Edition*, **2019**, 58, 5707-5711	16.4	33
531	Boron-Based Frustrated Lewis Pairs in Hydrogenation Catalysis **2019**, 1-27		0
530	Base-Stabilized [PO]+/[PO2]+ Cations. *Angewandte Chemie*, **2019**, 131, 18444-18448	3.6	5
529	FLP catalysis: main group hydrogenations of organic unsaturated substrates. *Chemical Society Reviews*, **2019**, 48, 3592-3612	58.5	151
528	Facile Cleavage of the P=P Double Bond in Vinyl-Substituted Diphosphenes. *Angewandte Chemie*, **2019**, 131, 279-283	3.6	5
527	Facile Cleavage of the P=P Double Bond in Vinyl-Substituted Diphosphenes. *Angewandte Chemie - International Edition*, **2019**, 58, 273-277	16.4	28
526	Acyl-Phosphide Anions via an Intermediate with Carbene Character: Reactions of K[PtBu] and CO. *Angewandte Chemie - International Edition*, **2019**, 58, 3548-3552	16.4	13
525	Design considerations for chiral frustrated Lewis pairs: B/N FLPs derived from 3,5-bicyclic aryl piperidines. *Dalton Transactions*, **2018**, 48, 133-141	4.3	4
524	An umpolung of Lewis acidity/basicity at nitrogen by deprotonation of a cyclic (amino)(aryl)nitrenium cation. *Chemical Communications*, **2018**, 54, 4390-4393	5.8	26
523	Catalytic Hydrodefluorination of C-F Bonds by an Air-Stable P Lewis Acid. *Chemistry - A European Journal*, **2018**, 24, 6543-6546	4.8	38
522	Accessing Frustrated Lewis Pair Chemistry from a Spectroscopically Stable and Classical Lewis Acid-Base Adduct. *Angewandte Chemie*, **2018**, 130, 5983-5986	3.6	14
521	Accessing Frustrated Lewis Pair Chemistry from a Spectroscopically Stable and Classical Lewis Acid-Base Adduct. *Angewandte Chemie - International Edition*, **2018**, 57, 5881-5884	16.4	48
520	Nitrogen-Based Lewis Acids: Synthesis and Reactivity of a Cyclic (Alkyl)(Amino)Nitrenium Cation. *Angewandte Chemie*, **2018**, 130, 3380-3384	3.6	21

519	Zinc-Containing Radical Anions via Single Electron Transfer to Donor-Acceptor Adducts. *Chemistry - A European Journal*, **2018**, 24, 3980-3983	4.8	9
518	Nitrogen-Based Lewis Acids: Synthesis and Reactivity of a Cyclic (Alkyl)(Amino)Nitrenium Cation. *Angewandte Chemie - International Edition*, **2018**, 57, 3322-3326	16.4	36
517	An imine-gallium Lewis pair stabilized oxophosphinidene via an unexpected phosphirene rearrangement. *Chemical Communications*, **2018**, 54, 1041-1044	5.8	9
516	Air- and water-stable Lewis acids: synthesis and reactivity of P-trifluoromethyl electrophilic phosphonium cations. *Chemical Communications*, **2018**, 54, 662-665	5.8	29
515	A Transient Vinylphosphinidene via a Phosphirene-Phosphinidene Rearrangement. *Journal of the American Chemical Society*, **2018**, 140, 147-150	16.4	36
514	The global electrophilicity index as a metric for Lewis acidity. *Dalton Transactions*, **2018**, 47, 7029-7035	4.3	76
513	Electron paramagnetic resonance of a B-containing heterocyclic radical. *Journal of Magnetic Resonance*, **2018**, 290, 76-84	3	1
512	Frontispiece: Nitrogen-Based Lewis Acids: Synthesis and Reactivity of a Cyclic (Alkyl)(Amino)Nitrenium Cation. *Angewandte Chemie - International Edition*, **2018**, 57,	16.4	1
511	Alkali Metal Species in the Reversible Activation of H. *Angewandte Chemie - International Edition*, **2018**, 57, 11050-11054	16.4	41
510	Probing steric influences on electrophilic phosphonium cations: a comparison of [(3,5-(CF)CH)PF] and [(CF)PF]. *Dalton Transactions*, **2018**, 47, 11411-11419	4.3	5
509	Nitrogen-Based Lewis Acids Derived from Phosphonium Diazo Cations. *Angewandte Chemie*, **2018**, 130, 12110-12114	3.6	7
508	Reductive Coupling and Loss of N from Magnesium Diazomethane Derivatives. *Chemistry - A European Journal*, **2018**, 24, 8589-8595	4.8	8
507	Lewis and Brønsted basicity of phosphine-diazomethane derivatives. *Dalton Transactions*, **2018**, 47, 12742-12749	4.3	8
506	A Room-Temperature-Stable Phosphanorcaradiene. *Journal of the American Chemical Society*, **2018**, 140, 7466-7470	16.4	14
505	Remote Stereochemistry of a Frustrated Lewis Pair Provides Thermal and Photochemical Control of Reactivity. *Journal of the American Chemical Society*, **2018**, 140, 8119-8123	16.4	19
504	Interception of intermediates in phosphine oxidation by mesityl nitrile-N-oxide using frustrated Lewis pairs. *Dalton Transactions*, **2018**, 47, 8933-8939	4.3	8
503	Taming a silyldiium cation and its reactivity towards sodium phosphaethynolate. *Chemical Communications*, **2018**, 54, 13523-13526	5.8	6
502	Phosphorous(v) Lewis acids: water/base tolerant P-trimethylated trications. *Chemical Communications*, **2018**, 54, 12467-12470	5.8	9

501	Frustrated Lewis Pair Chemistry Meets Metal-Organic Frameworks. *CheM*, **2018**, 4, 2483-2485	16.2	7
500	Improving the Global Electrophilicity Index (GEI) as a Measure of Lewis Acidity. *Inorganic Chemistry*, **2018**, 57, 14764-14771	5.1	43
499	Frustrated Lewis Pair Oxidation Permits Synthesis of a Fluoroazaphosphatrane, [FP(MeNCHCH)N]. *Inorganic Chemistry*, **2018**, 57, 15299-15304	5.1	11
498	P, P-Dimethylformylphosphine: The Phosphorus Analogue of N, N-Dimethylformamide. *Journal of the American Chemical Society*, **2018**, 140, 12751-12755	16.4	13
497	A Phosphorus Lewis Super Acid: □5-Pentamethylcyclopentadienyl Phosphorus Dication. *CheM*, **2018**, 4, 2699-2708	16.2	27
496	Phosphorus Coordination Chemistry in Catalysis: Air Stable P(III)-Dications as Lewis Acid Catalysts for the Allylation of C□ Bonds. *Organometallics*, **2018**, 37, 4540-4544	3.8	21
495	Interactions of C-F Bonds with Hydridoboranes: Reduction, Borylation and Friedel-Crafts Alkylation. *Chemistry - A European Journal*, **2018**, 24, 16014-16018	4.8	14
494	Dogma-breaking catalysis. *Nature*, **2018**, 553, 160-162	50.4	8
493	Reduktion von Phosphanoxiden mit Oxalylchlorid und Wasserstoff, vermittelt durch ein elektrophiles Phosphoniumkation. *Angewandte Chemie*, **2018**, 130, 15473-15476	3.6	4
492	Electrophilic Phosphonium Cation-Mediated Phosphane Oxide Reduction Using Oxalyl Chloride and Hydrogen. *Angewandte Chemie - International Edition*, **2018**, 57, 15253-15256	16.4	20
491	Electrophilic Phosphonium Cations as Lewis Acid Catalysts in Diels□Alder Reactions and Nazarov Cyclizations. *Organometallics*, **2018**, 37, 3303-3313	3.8	13
490	Nitrogen-Based Lewis Acids Derived from Phosphonium Diazo Cations. *Angewandte Chemie - International Edition*, **2018**, 57, 11934-11938	16.4	17
489	Homolytic cleavage of peroxide bonds via a single electron transfer of a frustrated Lewis pair. *Chemical Communications*, **2018**, 54, 7431-7434	5.8	34
488	Alkali Metal Species in the Reversible Activation of H2. *Angewandte Chemie*, **2018**, 130, 11216-11220	3.6	22
487	Reversible 1,1-hydroaluminations and C-H activation in reactions of a cyclic (alkyl)(amino) carbene with alane. *Chemical Communications*, **2018**, 54, 8407-8410	5.8	10
486	Electron spin relaxation of a boron-containing heterocyclic radical. *Journal of Magnetic Resonance*, **2017**, 276, 7-13	3	2
485	Small Molecule Activation with N,NR-MIC Platinum Complexes. *Chemistry - A European Journal*, **2017**, 23, 5943-5947	4.8	10
484	N-Heterocyclic carbene stabilized parent sulfenyl, selenenyl, and tellurenyl cations (XH, X = S, Se, Te). *Dalton Transactions*, **2017**, 46, 3095-3099	4.3	21

483	Eine Geschichte über zwei Elemente: die Umpolung der Lewis-Acidität/Basizität von Bor und Phosphor. *Angewandte Chemie*, **2017**, 129, 6078-6086	3.6	18
482	Quantifying the efficiency of CO capture by Lewis pairs. *Chemical Science*, **2017**, 8, 3270-3275	9.4	27
481	Metal-free pincer ligand chemistry polycationic phosphonium Lewis acids. *Dalton Transactions*, **2017**, 46, 3921-3928	4.3	12
480	A Tale of Two Elements: The Lewis Acidity/Basicity Umpolung of Boron and Phosphorus. *Angewandte Chemie - International Edition*, **2017**, 56, 5984-5992	16.4	52
479	FLP reactivity of [PhC] and (o-tolyl)P and the capture of a Staudinger reaction intermediate. *Dalton Transactions*, **2017**, 46, 9334-9338	4.3	15
478	Reactions of Boron-Derived Radicals with Nucleophiles. *Journal of the American Chemical Society*, **2017**, 139, 426-435	16.4	30
477	Facile access to unsymmetrically substituted tellurium-boron based heterocycles. *Chemical Communications*, **2017**, 53, 6311-6314	5.8	10
476	A model for C-F activation by electrophilic phosphonium cations. *Chemical Communications*, **2017**, 53, 7529-7532	5.8	17
475	FLP reduction and hydroboration of phenanthrene o-iminoquinones and -diimines. *Dalton Transactions*, **2017**, 46, 5308-5319	4.3	23
474	Metal-free reduction of CO 2. *Current Opinion in Green and Sustainable Chemistry*, **2017**, 3, 28-32	7.9	43
473	Stoichiometric Reactions of CO2 and Indium-Silylamides and Catalytic Synthesis of Ureas. *Angewandte Chemie*, **2017**, 129, 14465-14469	3.6	9
472	Synthesis and oxidation of phosphine cations. *Dalton Transactions*, **2017**, 46, 14149-14157	4.3	10
471	Synthesis and reactions of 4H-1,4-telluraborine. *Chemical Communications*, **2017**, 54, 208-211	5.8	4
470	Borane-Stabilized Isomeric Dimers of the Phosphaethynolate Anion. *Angewandte Chemie - International Edition*, **2017**, 56, 14174-14177	16.4	17
469	Stoichiometric Reactions of CO and Indium-Silylamides and Catalytic Synthesis of Ureas. *Angewandte Chemie - International Edition*, **2017**, 56, 14277-14281	16.4	30
468	Borane-Stabilized Isomeric Dimers of the Phosphaethynolate Anion. *Angewandte Chemie*, **2017**, 129, 14362-14365	3.6	9
467	The phosphinoboration of carbodiimides, isocyanates, isothiocyanates and CO. *Dalton Transactions*, **2017**, 46, 10876-10885	4.3	16
466	On the concept of frustrated Lewis pairs. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2017**, 375,	3	64

465	Halogenated triphenylgallium and -indium in frustrated Lewis pair activations and hydrogenation catalysis. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2017**, 375,	3	25
464	Stoichiometric and catalytic isomerization of alkenylboranes using bulky Lewis bases. *Chemical Communications*, **2017**, 53, 9458-9461	5.8	2
463	Homolytic Cleavage Reactions of a Neutral Doubly Base Stabilized Diborane(4). *Organometallics*, **2017**, 36, 3163-3170	3.8	20
462	A Radical Mechanism for Frustrated Lewis Pair Reactivity. *CheM*, **2017**, 3, 259-267	16.2	97
461	Frustrated Lewis pair chemistry. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2017**, 375,	3	6
460	Imidazole-stabilized, electron-deficient boron cations. *Dalton Transactions*, **2017**, 46, 16404-16407	4.3	5
459	Dicationic phosphonium salts: Lewis acid initiators for the Mukaiyama-aldol reaction. *Dalton Transactions*, **2017**, 46, 16216-16227	4.3	16
458	Catalytic double hydroarylation of alkynes to 9,9-disubstituted 9,10-dihydroacridine derivatives by an electrophilic phenoxyphosphonium dication. *Chemical Communications*, **2017**, 53, 13312-13315	5.8	19
457	1,1-Hydroboration and a Borane Adduct of Diphenyldiazomethane: A Potential Prelude to FLP-N2 Chemistry. *Angewandte Chemie*, **2017**, 129, 16815-16819	3.6	31
456	1,1-Hydroboration and a Borane Adduct of Diphenyldiazomethane: A Potential Prelude to FLP-N Chemistry. *Angewandte Chemie - International Edition*, **2017**, 56, 16588-16592	16.4	70
455	C-F Bond Activation by Silylium Cation/Phosphine Frustrated Lewis Pairs: Mono-Hydrodefluorination of PhCF , PhCF H and Ph CF. *Chemistry - A European Journal*, **2017**, 23, 17692-17696	4.8	39
454	Single Electron Delivery to Lewis Pairs: An Avenue to Anions by Small Molecule Activation. *Journal of the American Chemical Society*, **2017**, 139, 10062-10071	16.4	52
453	Catalytic reduction of amides to amines by electrophilic phosphonium cations via FLP hydrosilylation. *Chemical Communications*, **2016**, 52, 12195-12198	5.8	42
452	Lewis acid catalysis: catalytic hydroboration of alkynes initiated by Piers' borane. *Chemical Communications*, **2016**, 52, 10830-3	5.8	61
451	A pendant phosphorus Lewis acid: route to a palladium-benzoyl derived phosphorane. *Chemical Communications*, **2016**, 52, 13967-13970	5.8	4
450	Electrophilic phenoxy-substituted phosphonium cations. *Dalton Transactions*, **2016**, 45, 18156-18162	4.3	27
449	Use of Trifluoromethyl Groups for Catalytic Benzylation and Alkylation with Subsequent Hydrodefluorination. *Angewandte Chemie*, **2016**, 128, 1439-1443	3.6	31
448	Synthesis of a Carbodicyclopropenylidene: A Carbodicarbene based Solely on Carbon. *Angewandte Chemie - International Edition*, **2016**, 55, 5536-40	16.4	52

447	Synthesis of a Carbodicyclopropenylidene: A Carbodicarbene based Solely on Carbon. *Angewandte Chemie*, **2016**, 128, 5626-5630	3.6	19
446	Chiral carbene-borane adducts: precursors for borenium catalysts for asymmetric FLP hydrogenations. *Dalton Transactions*, **2016**, 45, 15303-15316	4.3	57
445	The air-stable carbocation salt [(MeOC6H4)CPh2][BF4] in Lewis acid catalyzed hydrothiolation of alkenes. *Chemical Communications*, **2016**, 52, 8291-3	5.8	43
444	Use of Trifluoromethyl Groups for Catalytic Benzylation and Alkylation with Subsequent Hydrodefluorination. *Angewandte Chemie - International Edition*, **2016**, 55, 1417-21	16.4	89
443	Ru alkylidene compounds bearing tridentate, dianionic ligands: Lewis acid activation and olefin metathesis. *Dalton Transactions*, **2016**, 45, 3844-52	4.3	5
442	Pyridinium-phosphonium dications: highly electrophilic phosphorus-based Lewis acid catalysts. *Dalton Transactions*, **2016**, 45, 5949-57	4.3	32
441	Stable Borocyclic Radicals via Frustrated Lewis Pair Hydrogenations. *Journal of the American Chemical Society*, **2016**, 138, 2500-3	16.4	50
440	Ferrocenyl-derived electrophilic phosphonium cations (EPCs) as Lewis acid catalysts. *Dalton Transactions*, **2016**, 45, 5568-74	4.3	21
439	Cationic aluminum hydride complexes: reactions of carbene-alane adducts with trityl-borate. *Chemical Communications*, **2016**, 52, 5305-7	5.8	24
438	Preparation and reactivity of a Ru(0) phosphino-carbene complex. *Dalton Transactions*, **2016**, 45, 1354-8	4.3	2
437	Phosphorus Lewis acids: emerging reactivity and applications in catalysis. *Chemical Society Reviews*, **2016**, 45, 765-74	58.5	184
436	C-C Coupling of Benzyl Fluorides Catalyzed by an Electrophilic Phosphonium Cation. *Angewandte Chemie - International Edition*, **2016**, 55, 8448-51	16.4	71
435	C□ Coupling of Benzyl Fluorides Catalyzed by an Electrophilic Phosphonium Cation. *Angewandte Chemie*, **2016**, 128, 8588-8591	3.6	22
434	The broadening reach of frustrated Lewis pair chemistry. *Science*, **2016**, 354,	33.3	636
433	Metal-Free Phosphine Oxide Reductions Catalyzed by B(C6F5)3 and Electrophilic Fluorophosphonium Cations. *Organometallics*, **2016**, 35, 1030-1035	3.8	61
432	Cooperative Lewis acidity in borane-substituted fluorophosphonium cations. *Chemical Communications*, **2016**, 52, 6387-90	5.8	14
431	Electrophilic phosphonium cations (EPCs) with perchlorinated-aryl substituents: towards air-stable phosphorus-based Lewis acid catalysts. *Dalton Transactions*, **2016**, 45, 14651-7	4.3	25
430	PNPCB heterocycles via thermal and Lewis acid catalyzed trans-hydroborations. *Dalton Transactions* , **2016**, 45, 9229-34	4.3	3

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