Hendrik F T Klare

List of Publications by Year
in descending order

58 papers	3,334 citations	172207 29 h-index	143772 57 g-index
68 all docs	68 docs citations	68 times ranked	2330 citing authors

#	Article	IF	Citations
1	Main-Group Lewis Acids for Câ€“F Bond Activation. ACS Catalysis, 2013, 3, 1578-1587.	5.5	375
2	Cooperative Catalytic Activation of Siâˆ’H Bonds by a Polar Ruâˆ’S Bond: Regioselective Low-Temperature Câˆ’H Silylation of Indoles under Neutral Conditions by a Friedelâˆ’Crafts Mechanism. Journal of the American Chemical Society, 2011, 133, 3312-3315.	6.6	226
3	Silylium ions in catalysis. Dalton Transactions, 2010, 39, 9176.	1.6	195
4	Potassium <i>tert</i>-Butoxide-Catalyzed Dehydrogenative Câ€“H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. Journal of the American Chemical Society, 2017, 139, 6867-6879.	6.6	160
5	Silylium Ions: From Elusive Reactive Intermediates to Potent Catalysts. Chemical Reviews, 2021, 121, 5889-5985.	23.0	140
6	Cooperative Catalysis at Metalâ€“Sulfur Bonds. Accounts of Chemical Research, 2017, 50, 1258-1269.	7.6	120
7	C(sp³)â€“F Bond Activation of CF₃-Substituted Anilines with Catalytically Generated Silicon Cations: Spectroscopic Evidence for a Hydride-Bridged Ruâ€“S Dimer in the Catalytic Cycle. Journal of the American Chemical Society, 2013, 135, 1248-1251.	6.6	118
8	Catalytic 1,4â€Selective Hydrosilylation of Pyridines and Benzannulated Congeners. Angewandte Chemie - International Edition, 2013, 52, 10076-10079.	7.2	111
9	BrÃ¸nsted Acid-Promoted Formation of Stabilized Silylium Ions for Catalytic Friedelâ€“Crafts Câ€“H Silylation. Journal of the American Chemical Society, 2016, 138, 7868-7871.	6.6	108
10	Catalytic Friedelâ€“Crafts Câˆ’H Borylation of Electronâ€Rich Arenes: Dramatic Rate Acceleration by Added Alkenes. Angewandte Chemie - International Edition, 2017, 56, 3712-3717.	7.2	104
11	Cationic silicon Lewis acids in catalysis. Nature Reviews Chemistry, 2020, 4, 54-62.	13.8	101
12	Taming the Silylium Ion for Lowâ€Temperature Dielsâ€“Alder Reactions. Angewandte Chemie - International Edition, 2009, 48, 9077-9079.	7.2	99
13	Insight into the Mechanism of Carbonyl Hydrosilylation Catalyzed by Brookhartâ€™s Cationic Iridium(III) Pincer Complex. Journal of the American Chemical Society, 2014, 136, 6912-6915.	6.6	93
14	Catalytic dehydrogenative Siâ€“N coupling of pyrroles, indoles, carbazoles as well as anilines with hydrosilanes without added base. Chemical Communications, 2013, 49, 1506.	2.2	92
15	Friedelâ€“Craftsâ€Type Intermolecular Câˆ’H Silylation of Electronâ€Rich Arenes Initiated by Baseâ€Metal Salts. Angewandte Chemie - International Edition, 2016, 55, 3204-3207.	7.2	89
16	Boron Lewis Acidâ€Catalyzed Hydroboration of Alkenes with Pinacolborane: BAr^F₃ Does What B(C₆F₅)₃ Cannot Do!. Chemistry - A European Journal, 2016, 22, 13840-13844.	1.7	79
17	Chiral Recognition with Siliconâ€Stereogenic Silanes: Remarkable Selectivity Factors in the Kinetic Resolution of Donorâ€Functionalized Alcohols. Angewandte Chemie - International Edition, 2007, 46, 9335-9338.	7.2	76
18	Mechanism of the cooperative Siâ€“H bond activation at Ruâ€“S bonds. Chemical Science, 2015, 6, 4324-4334.	3.7	76

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19	Base-Free Dehydrogenative Coupling of Enolizable Carbonyl Compounds with Silanes. Organic Letters, 2012, 14, 2842-2845.	2.4	64
20	Oxidative Fragmentations and Skeletal Rearrangements of Oxindole Derivatives. Organic Letters, 2017, 19, 988-991.	2.4	55
21	Direct Catalytic Access to Nâ€Silylated Enamines from Enolizable Imines and Hydrosilanes by Baseâ€Free Dehydrogenative Siï£¿N Coupling. Chemistry - A European Journal, 2014, 20, 9250-9254.	1.7	54
22	Singleâ€Electron Transfer Reactions in Frustrated and Conventional Silylium Ion/Phosphane Lewis Pairs. Angewandte Chemie - International Edition, 2018, 57, 15267-15271.	7.2	52
23	Catalytic Câ€“H Arylation of Unactivated Câ€“H Bonds by Silylium Ion-Promoted C(sp²)â€“F Bond Activation. ACS Catalysis, 2017, 7, 6999-7002.	5.5	47
24	Intramolecularly Sulfur-Stabilized Silicon Cations as Lewis Acid Catalysts. Organometallics, 2014, 33, 3618-3628.	1.1	44
25	Asymmetric Ringâ€Closing Metathesis with a Twist. Angewandte Chemie - International Edition, 2009, 48, 2085-2089.	7.2	36
26	Thermodynamic <i>versus</i> kinetic control in substituent redistribution reactions of silylium ions steered by the counteranion. Chemical Science, 2018, 9, 5600-5607.	3.7	35
27	The Power of the Proton: From Superacidic Media to Superelectrophile Catalysis. Journal of the American Chemical Society, 2021, 143, 15490-15507.	6.6	35
28	Cleavage of Unactivated Siâˆ’C(sp³) Bonds with Reed's Carborane Acids: Formation of Known and Unknown Silylium Ions. Angewandte Chemie - International Edition, 2018, 57, 9176-9179.	7.2	33
29	Electrophilic Formylation of Arenes by Silylium Ion Mediated Activation of Carbon Monoxide. Angewandte Chemie - International Edition, 2018, 57, 8301-8305.	7.2	32
30	Characterization of hydrogen-substituted silylium ions in the condensed phase. Science, 2019, 365, 168-172.	6.0	32
31	Silylium-Ion-Promoted Ring-Opening Hydrosilylation and Disilylation of Unactivated Cyclopropanes. Organic Letters, 2020, 22, 1213-1216.	2.4	31
32	Durch Nichtedelmetallsalze ausgelÃ¶ste Friedelâ€Craftsâ€artige intermolekulare Câ€Hâ€Silylierung von elektronenreichen Arenen. Angewandte Chemie, 2016, 128, 3256-3260.	1.6	27
33	Catalytic Difunctionalization of Unactivated Alkenes with Unreactive Hexamethyldisilane through Regeneration of Silylium Ions. Angewandte Chemie - International Edition, 2019, 58, 17307-17311.	7.2	26
34	Reversible Heterolytic Siâ€“H Bond Activation by an Intramolecular Frustrated Lewis Pair. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 987-994.	0.3	25
35	Silyliumâ€Ionâ€Promoted (5+1) Cycloaddition of Arylâ€Substituted Vinylcyclopropanes and Hydrosilanes Involving Aryl Migration. Angewandte Chemie - International Edition, 2020, 59, 12186-12191.	7.2	25
36	Katalytische Friedelâ€Craftsâ€Câ€Hâ€Borylierung elektronenreicher Arene: starke Reaktionsbeschleunigung durch Versetzen mit Alkenen. Angewandte Chemie, 2017, 129, 3766-3771.	1.6	23

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37	Chemo-enzymatic synthesis of Î±-d-pentofuranose-1-phosphates using thermostable pyrimidine nucleoside phosphorylases. Molecular Catalysis, 2018, 458, 52-59.	1.0	23
38	EinelektronenÃ¼bertragungsreaktionen in frustrierten und klassischen Silyliumion/Phosphanâ€Lewisâ€Paaren. Angewandte Chemie, 2018, 130, 15487-15492.	1.6	22
39	Intramolecular Friedelâ€“Crafts alkylation with a silylium-ion-activated cyclopropyl group: formation of tricyclic ring systems from benzyl-substituted vinylcyclopropanes and hydrosilanes. Chemical Science, 2021, 12, 569-575.	3.7	20
40	Planar Chiral, Ferroceneâ€Stabilized Silicon Cations. Chemistry - A European Journal, 2016, 22, 5376-5383.	1.7	18
41	Silylium-Ion-Promoted Hydrosilylation of Aryl-Substituted Allenes: Interception by Cyclization of the Allyl-Cation Intermediate. Organic Letters, 2022, 24, 1346-1350.	2.4	18
42	Siâ€“H Bond Activation with Bullockâ€™s Cationic Tungsten(II) Catalyst: CO as Cooperating Ligand. Journal of the American Chemical Society, 2019, 141, 18845-18850.	6.6	17
43	Efficient Biocatalytic Synthesis of Dihalogenated Purine Nucleoside Analogues Applying Thermodynamic Calculations. Molecules, 2020, 25, 934.	1.7	17
44	Silylium-Ion Regeneration by Protodesilylation Enables Friedelâ€“Crafts Alkylation with Less Isomerization and No Defunctionalization. ACS Catalysis, 2021, 11, 12186-12193.	5.5	17
45	Synthesis of a Counteranionâ€Stabilized Bis(silylium) Ion. Angewandte Chemie - International Edition, 2020, 59, 10523-10526.	7.2	16
46	Two-Silicon Cycle for Carbonyl Hydrosilylation with Nikonovâ€™s Cationic Ruthenium(II) Catalyst. ACS Catalysis, 2017, 7, 8338-8342.	5.5	15
47	Perdeuteration of Deactivated Aryl Halides by H/D Exchange under Superelectrophile Catalysis. Journal of the American Chemical Society, 2022, 144, 4734-4738.	6.6	15
48	Spaltung nicht aktivierter Siâ€C(sp³)â€Bindungen mit Reedschen CarboransÃuren: Bildung bekannter und unbekannter Silyliumionen. Angewandte Chemie, 2018, 130, 9317-9320.	1.6	13
49	Intermolecular Carbosilylation of Î±â€Olefins with C(sp3)â€“C(sp) Bond Formation Involving Silyliumâ€Ion Regeneration. Angewandte Chemie - International Edition, 2022, , .	7.2	12
50	Elektrophile Formylierung von Aromaten durch silyliumionvermittelte Aktivierung von Kohlenmonoxid. Angewandte Chemie, 2018, 130, 8433-8437.	1.6	11
51	Competition for Hydride Between Silicon and Boron: Synthesis and Characterization of a Hydroboraneâ€Stabilized Silylium Ion. Chemistry - A European Journal, 2022, 28, e202104464.	1.7	7
52	Katalytische Difunktionalisierung von nichtaktivierten Alkenen mit reaktionstrÃgem Hexamethyldisilan durch Neubildung von Silyliumionen. Angewandte Chemie, 2019, 131, 17468-17472.	1.6	5
53	Synthese eines gegenanionstabilisierten Bis(silylium)ions. Angewandte Chemie, 2020, 132, 10609-10613.	1.6	5
54	Silyliumâ€Ionâ€Promoted (5+1) Cycloaddition of Arylâ€Substituted Vinylcyclopropanes and Hydrosilanes Involving Aryl Migration. Angewandte Chemie, 2020, 132, 12284-12289.	1.6	5

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55	Cationic Ruâ€“Se Complexes for Cooperative Siâ€“H Bond Activation. Organometallics, 2020, 39, 4747-4753.	1.1	3
56	Teaching nature the unnatural. Science, 2016, 354, 970-970.	6.0	2
57	Cationic Cobaltâ€“Thiolate Complexes for the Dehydrogenative Coupling of <i>n</i>Bu₃SnH. Organometallics, 2022, 41, 852-857.	1.1	1
58	Intermolecular Carbosilylation of Î±â€Olefins with C(sp3)â€“C(sp) Bond Formation Involving Silyliumâ€Ion Regeneration. Angewandte Chemie, 0, , .	1.6	0