

Hendrik F T Klare

List of Publications by Year in descending order

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58
papers

3,334
citations

172207

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143772

57
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68
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68
docs citations

68
times ranked

2330
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition for Hydride Between Silicon and Boron: Synthesis and Characterization of a Hydroborane-stabilized Silylium Ion. <i>Chemistry - A European Journal</i> , 2022, 28, e202104464.	1.7	7
2	Silylium-Ion-Promoted Hydrosilylation of Aryl-Substituted Allenes: Interception by Cyclization of the Allyl-Cation Intermediate. <i>Organic Letters</i> , 2022, 24, 1346-1350.	2.4	18
3	Perdeuteration of Deactivated Aryl Halides by H/D Exchange under Superelectrophile Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 4734-4738.	6.6	15
4	Cationic Cobalt-thiolate Complexes for the Dehydrogenative Coupling of Bu_3SnH . <i>Organometallics</i> , 2022, 41, 852-857.	1.1	1
5	Intermolecular Carbosilylation of Olefins with $\text{C}(\text{sp}^3)\text{-C}(\text{sp})$ Bond Formation Involving Silylium Ion Regeneration. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	12
6	Intramolecular Friedel-Crafts alkylation with a silylium-ion-activated cyclopropyl group: formation of tricyclic ring systems from benzyl-substituted vinylcyclopropanes and hydrosilanes. <i>Chemical Science</i> , 2021, 12, 569-575.	3.7	20
7	Silylium Ions: From Elusive Reactive Intermediates to Potent Catalysts. <i>Chemical Reviews</i> , 2021, 121, 5889-5985.	23.0	140
8	The Power of the Proton: From Superacidic Media to Superelectrophile Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 15490-15507.	6.6	35
9	Silylium-Ion Regeneration by Protodesilylation Enables Friedel-Crafts Alkylation with Less Isomerization and No Defunctionalization. <i>ACS Catalysis</i> , 2021, 11, 12186-12193.	5.5	17
10	Cationic silicon Lewis acids in catalysis. <i>Nature Reviews Chemistry</i> , 2020, 4, 54-62.	13.8	101
11	Cationic Ru-Se Complexes for Cooperative Si-H Bond Activation. <i>Organometallics</i> , 2020, 39, 4747-4753.	1.1	3
12	Synthese eines gegenanionstabilisierten Bis(silylium)ions. <i>Angewandte Chemie</i> , 2020, 132, 10609-10613.	1.6	5
13	Synthesis of a Counteranion-stabilized Bis(silylium) Ion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10523-10526.	7.2	16
14	Efficient Biocatalytic Synthesis of Dihalogenated Purine Nucleoside Analogues Applying Thermodynamic Calculations. <i>Molecules</i> , 2020, 25, 934.	1.7	17
15	Silylium-Ion-Promoted Ring-Opening Hydrosilylation and Disilylation of Unactivated Cyclopropanes. <i>Organic Letters</i> , 2020, 22, 1213-1216.	2.4	31
16	Silylium-Ion-Promoted (5+1) Cycloaddition of Aryl-Substituted Vinylcyclopropanes and Hydrosilanes Involving Aryl Migration. <i>Angewandte Chemie</i> , 2020, 132, 12284-12289.	1.6	5
17	Silylium-Ion-Promoted (5+1) Cycloaddition of Aryl-Substituted Vinylcyclopropanes and Hydrosilanes Involving Aryl Migration. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12186-12191.	7.2	25
18	Si-H Bond Activation with Bullock's Cationic Tungsten(II) Catalyst: CO as Cooperating Ligand. <i>Journal of the American Chemical Society</i> , 2019, 141, 18845-18850.	6.6	17

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19	Catalytic Difunctionalization of Unactivated Alkenes with Unreactive Hexamethyldisilane through Regeneration of Silylium Ions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17307-17311.	7.2	26
20	Katalytische Difunktionalisierung von nichtaktivierten Alkenen mit reaktionsträgem Hexamethyldisilan durch Neubildung von Silyliumionen. <i>Angewandte Chemie</i> , 2019, 131, 17468-17472.	1.6	5
21	Characterization of hydrogen-substituted silylium ions in the condensed phase. <i>Science</i> , 2019, 365, 168-172.	6.0	32
22	Einelektronen $\frac{1}{4}$ bertragungsreaktionen in frustrierten und klassischen Silyliumion/Phosphan \rightarrow Lewis \leftarrow Paaren. <i>Angewandte Chemie</i> , 2018, 130, 15487-15492.	1.6	22
23	Spaltung nicht aktivierter Si \rightarrow C(sp ³) \leftarrow Bindungen mit Reedschen Carborans \rightarrow Aciden: Bildung bekannter und unbekannter Silyliumionen. <i>Angewandte Chemie</i> , 2018, 130, 9317-9320.	1.6	13
24	Single \rightarrow Electron Transfer Reactions in Frustrated and Conventional Silylium Ion/Phosphane Lewis Pairs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15267-15271.	7.2	52
25	Cleavage of Unactivated Si \rightarrow C(sp ³) Bonds with Reed's Carborane Acids: Formation of Known and Unknown Silylium Ions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9176-9179.	7.2	33
26	Thermodynamic <i>versus</i> kinetic control in substituent redistribution reactions of silylium ions steered by the counteranion. <i>Chemical Science</i> , 2018, 9, 5600-5607.	3.7	35
27	Elektrophile Formylierung von Aromaten durch silyliumionvermittelte Aktivierung von Kohlenmonoxid. <i>Angewandte Chemie</i> , 2018, 130, 8433-8437.	1.6	11
28	Electrophilic Formylation of Arenes by Silylium Ion Mediated Activation of Carbon Monoxide. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8301-8305.	7.2	32
29	Chemo-enzymatic synthesis of \pm -d-pentofuranose-1-phosphates using thermostable pyrimidine nucleoside phosphorylases. <i>Molecular Catalysis</i> , 2018, 458, 52-59.	1.0	23
30	Catalytic Friedel \rightarrow Crafts \rightarrow H Borylation of Electron \rightarrow Rich Arenes: Dramatic Rate Acceleration by Added Alkenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3712-3717.	7.2	104
31	Oxidative Fragmentations and Skeletal Rearrangements of Oxindole Derivatives. <i>Organic Letters</i> , 2017, 19, 988-991.	2.4	55
32	Potassium <i>tert</i> -Butoxide-Catalyzed Dehydrogenative \rightarrow H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 6867-6879.	6.6	160
33	Cooperative Catalysis at Metal \rightarrow Sulfur Bonds. <i>Accounts of Chemical Research</i> , 2017, 50, 1258-1269.	7.6	120
34	Katalytische Friedel \rightarrow Crafts \rightarrow C \rightarrow H \rightarrow Borylierung elektronenreicher Arene: starke Reaktionsbeschleunigung durch Versetzen mit Alkenen. <i>Angewandte Chemie</i> , 2017, 129, 3766-3771.	1.6	23
35	Two-Silicon Cycle for Carbonyl Hydrosilylation with Nikonov \rightarrow 's Cationic Ruthenium(II) Catalyst. <i>ACS Catalysis</i> , 2017, 7, 8338-8342.	5.5	15
36	Catalytic \rightarrow H Arylation of Unactivated \rightarrow H Bonds by Silylium Ion-Promoted C(sp ²) \rightarrow F Bond Activation. <i>ACS Catalysis</i> , 2017, 7, 6999-7002.	5.5	47

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37	Friedelâ€“Craftsâ€“Type Intermolecular Câˆ“H Silylation of Electronâ€“Rich Arenes Initiated by Baseâ€“Metal Salts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3204-3207.	7.2	89
38	Durch Nichtedelmetallsalze ausgelÃƒtste Friedelâ€“Craftsâ€“artige intermolekulare Câˆ“Hâ€“Silylierung von elektronenreichen Arenen. <i>Angewandte Chemie</i> , 2016, 128, 3256-3260.	1.6	27
39	Teaching nature the unnatural. <i>Science</i> , 2016, 354, 970-970.	6.0	2
40	Boron Lewis Acidâ€“Catalyzed Hydroboration of Alkenes with Pinacolborane: BAr^F₃ Does What B(C₆F₅)₃ Cannot Do!. <i>Chemistry - A European Journal</i> , 2016, 22, 13840-13844.	1.7	79
41	Planar Chiral, Ferroceneâ€“Stabilized Silicon Cations. <i>Chemistry - A European Journal</i> , 2016, 22, 5376-5383.	1.7	18
42	BrÃƒnsted Acid-Promoted Formation of Stabilized Silylium Ions for Catalytic Friedelâ€“Crafts Câˆ“H Silylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 7868-7871.	6.6	108
43	Mechanism of the cooperative Siâ€“H bond activation at Ruâ€“S bonds. <i>Chemical Science</i> , 2015, 6, 4324-4334.	3.7	76
44	Direct Catalytic Access to Nâ€“Silylated Enamines from Enolizable Imines and Hydrosilanes by Baseâ€“Free Dehydrogenative Siâ€“N Coupling. <i>Chemistry - A European Journal</i> , 2014, 20, 9250-9254.	1.7	54
45	Intramolecularly Sulfur-Stabilized Silicon Cations as Lewis Acid Catalysts. <i>Organometallics</i> , 2014, 33, 3618-3628.	1.1	44
46	Insight into the Mechanism of Carbonyl Hydrosilylation Catalyzed by Brookhartâ€™s Cationic Iridium(III) Pincer Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 6912-6915.	6.6	93
47	Catalytic 1,4â€“Selective Hydrosilylation of Pyridines and Benzannulated Congeners. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10076-10079.	7.2	111
48	Catalytic dehydrogenative Siâ€“N coupling of pyrroles, indoles, carbazoles as well as anilines with hydrosilanes without added base. <i>Chemical Communications</i> , 2013, 49, 1506.	2.2	92
49	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. <i>Journal of the American Chemical Society</i> , 2013, 135, 1248-1251.	6.6	118
50	Main-Group Lewis Acids for Câ€“F Bond Activation. <i>ACS Catalysis</i> , 2013, 3, 1578-1587.	5.5	375
51	Reversible Heterolytic Siâ€“H Bond Activation by an Intramolecular Frustrated Lewis Pair. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2012, 67, 987-994.	0.3	25
52	Base-Free Dehydrogenative Coupling of Enolizable Carbonyl Compounds with Silanes. <i>Organic Letters</i> , 2012, 14, 2842-2845.	2.4	64
53	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. <i>Journal of the American Chemical Society</i> , 2011, 133, 3312-3315.	6.6	226
54	Silylium ions in catalysis. <i>Dalton Transactions</i> , 2010, 39, 9176.	1.6	195

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55	Asymmetric Ring-Closing Metathesis with a Twist. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2085-2089.	7.2	36
56	Taming the Silylium Ion for Low-Temperature Diels-Alder Reactions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9077-9079.	7.2	99
57	Chiral Recognition with Silicon-Stereogenic Silanes: Remarkable Selectivity Factors in the Kinetic Resolution of Donor-Functionalized Alcohols. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9335-9338.	7.2	76
58	Intermolecular Carbosilylation of α -Olefins with C(sp ³)-C(sp) Bond Formation Involving Silylium Ion Regeneration. <i>Angewandte Chemie</i> , 0, , .	1.6	0