

Anukul Jana

List of Publications by Year in descending order

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65
papers

1,633
citations

257450

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302126

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69
all docs

69
docs citations

69
times ranked

946
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of O ₂ across a C(sp ³)–C(sp ³) bond. Chemical Communications, 2022, 58, 3122-3125.	4.1	0
2	Disclosing Cyclic(Alkyl)(Amino)Carbenes as One-Electron Reductants: Synthesis of Acyclic(Amino)(Aryl)Carbene-Based Kekulé Diradicaloids. Chemistry - A European Journal, 2022, 28, .	3.3	13
3	Realizing 1,1-Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	6
4	An Air-Stable Alkene-Derived Organic Radical Cation. ACS Omega, 2022, 7, 837-843.	3.5	2
5	The oxidation state in low-valent beryllium and magnesium compounds. Chemical Science, 2022, 13, 6583-6591.	7.4	25
6	Frontispiece: Realizing 1,1-Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	0
7	Frontispiz: Realizing 1,1-Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie, 2022, 134, .	2.0	0
8	Reactivity of NHC/diphosphene-coordinated Au(III)-hydride. Chemical Communications, 2021, 57, 809-812.	4.1	8
9	Tethered CAAC–CAAC dimers: oxidation to persistent radical cations and bridging-unit dependent reactivity/stability of the dications. Chemical Communications, 2021, 57, 1210-1213.	4.1	16
10	Coordination of N-heterocyclic carbene to Si–Si and P–P multiple bonded compounds. , 2021, , 393-429.		0
11	Synthesis and reactivity of NHC-coordinated phosphinidene oxide. Chemical Communications, 2021, 57, 9546-9549.	4.1	5
12	Anionic Boron- and Carbon-Based Hetero-Diradicaloids Spanned by a <i>p</i> -Phenylene Bridge. Journal of the American Chemical Society, 2021, 143, 3687-3692.	13.7	31
13	1,1-Diamino- <i>p</i> -tetrafluoroquinodimethane: Stability of One- and Two-Electron Oxidized Species and Fixation of Molecular Oxygen. Journal of Organic Chemistry, 2021, 86, 10467-10473.	3.2	8
14	Twisted Push–Pull Alkenes Bearing Geminal Cyclicdiamino and Difluoroaryl Substituents. Journal of Organic Chemistry, 2021, 86, 12683-12692.	3.2	9
15	Diamidocarbene-Based Thiele and Tschitschibabin Hydrocarbons: Carbonyl Functionalized Kekulé Diradicaloids. Journal of Organic Chemistry, 2021, 86, 16464-16472.	3.2	6
16	Influence of N-heterocyclic carbenes (NHCs) on the hydrolysis of a diphosphene. Dalton Transactions, 2020, 49, 993-997.	3.3	7
17	Facile One-Pot Assembly of Push–Pull Imines by a Selective C–F Substitution Process in Aryl Fluorides. European Journal of Organic Chemistry, 2020, 2020, 7445-7449.	2.4	3
18	1,1-Diamino- <i>p</i> -quinodimethanes with Three Stable Oxidation States. Organic Letters, 2020, 22, 8332-8336.	4.6	12

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19	Acyclic diaminocarbene-based Thiele, Chichibabin, and Müller hydrocarbons. <i>Chemical Science</i> , 2020, 11, 11827-11833.	7.4	19
20	Trisubstituted geminal diazaalkene derived transient 1,2-carbocations. <i>Chemical Communications</i> , 2020, 56, 8233-8236.	4.1	5
21	Organotin Phosphates Assembled from a Sterically Hindered Organophosphate, ArOP(O)(OH)_2 , (Ar =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (2,6-(CHPh) ₂) ₂ -4- Structures. <i>Crystal Growth and Design</i> , 2020, 20, 3034-3043.	3.0	1
22	Activation of Aromatic C-F Bonds by a Heterocyclic Olefin (NHO). <i>Chemistry - A European Journal</i> , 2020, 26, 5951-5955.	3.3	18
23	CAAC-Based Thiele and Schlenk Hydrocarbons. <i>Angewandte Chemie</i> , 2020, 132, 6795-6800.	2.0	5
24	Molecular enneanuclear Cu^{II} phosphates containing planar hexanuclear and trinuclear sub-units: syntheses, structures, and magnetism. <i>Dalton Transactions</i> , 2020, 49, 2527-2536.	3.3	4
25	N^2 , N^2 -Ethylene-Bridged Bis(2-Aryl)Pyrrolinium Cations to E -Diaminoalkenes: Non-Identical Stepwise Reversible Double-Redox Coupled Bond Activation Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, 4425-4431.	3.3	11
26	CAAC-Based Thiele and Schlenk Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6729-6734.	13.8	26
27	Pentagonal Bipyramidal Ln(III) Complexes Containing an Axial Phosphine Oxide Ligand: Field-induced Single-ion Magnetism Behavior of the Dy(III) Analogues. <i>Inorganic Chemistry</i> , 2020, 59, 6603-6612.	4.0	44
28	NHC-Coordinated Diphosphene-Stabilized Gold(I) Hydride and Its Reversible Conversion to Gold(I) Formate with CO_2 . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15367-15371.	13.8	10
29	NHC-Coordinated Diphosphene-Stabilized Gold(I) Hydride and Its Reversible Conversion to Gold(I) Formate with CO_2 . <i>Angewandte Chemie</i> , 2019, 131, 15511-15515.	2.0	0
30	An anionic heterosiliconoid with two germanium vertices. <i>Chemical Communications</i> , 2019, 55, 10100-10103.	4.1	22
31	Structural Diversity in Supramolecular Organization of Anionic Phosphate Monoesters: Role of Cations. <i>ACS Omega</i> , 2019, 4, 2118-2133.	3.5	6
32	Molecular di- and tetra-nuclear zinc(II) phosphates with sterically hindered aryl phosphate mono esters ligands. <i>Polyhedron</i> , 2019, 172, 216-225.	2.2	2
33	Influence of N-Substitution on the Formation and Oxidation of NHC-CAAC-Derived Triazaalkenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 8899-8909.	3.2	17
34	Modulation of the nuclearity of molecular Mg^{II} -phosphates: solid-state structural change involving coordinating solvents. <i>Dalton Transactions</i> , 2019, 48, 8853-8860.	3.3	3
35	Equilibrium Coordination of NHCs to Si(IV) Species and Donor Exchange in Donor-Acceptor Stabilized Si(II) and Ge(II) Compounds. <i>Inorganic Chemistry</i> , 2019, 58, 4071-4075.	4.0	12
36	Direct access to 2-aryl substituted pyrrolinium salts for carbon centre based radicals without pyrrolidine-2-ylidene cyclic(alkyl)(amino)carbene (CAAC) as a precursor. <i>Chemical Science</i> , 2019, 10, 4077-4081.	7.4	17

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37	Solvent-assisted monomeric molecular structure of the phosphate diester and the synthesis of menthol-based phosphate diesters. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	1.5	2
38	Mono- and Dicoordinate Germanium(0) as a Four- Electron Donor. <i>Chemistry - A European Journal</i> , 2018, 24, 2873-2878.	3.3	12
39	Reactivity enhancement of a diphosphene by reversible N-heterocyclic carbene coordination. <i>Chemical Science</i> , 2018, 9, 4235-4243.	7.4	26
40	Neutral and anionic phosphate-diester as molecular templates for the encapsulation of a water dimer. <i>Chemical Communications</i> , 2018, 54, 11913-11916.	4.1	12
41	Contrasting reactivity of (boryl)(aryl)lithium-amide with electrophiles: N- vs. p-aryl-C-nucleophilic substitution. <i>Dalton Transactions</i> , 2018, 47, 14411-14415.	3.3	0
42	Abnormal-Addition of NHC to a Conjugate Acid of CAAC: Formation of N-Alkyl-Substituted CAAC. <i>Chemistry - A European Journal</i> , 2018, 24, 12722-12727.	3.3	10
43	Reactions of 4-diphenylphosphino benzoic acid with organotin oxides and -oxy-hydroxide. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	1
44	Stepwise Reversible Oxidation of N-Peralkyl-Substituted NHC-CAAC Derived Triazaalkenes: Isolation of Radical Cations and Dications. <i>Organic Letters</i> , 2017, 19, 5605-5608.	4.6	34
45	2,6-(Diphenylmethyl)-Aryl-Substituted Neutral and Anionic Phosphates: Approaches to H-Bonded Dimeric Molecular Structures. <i>ChemistrySelect</i> , 2017, 2, 8898-8910.	1.5	10
46	NHC-stabilized 1-hydrosilamine: synthesis, structure and reactivity. <i>Chemical Communications</i> , 2017, 53, 8592-8595.	4.1	7
47	Assembly of NHC-stabilized 2-hydrophosphasilenes from Si(IV) precursors: a Lewis acid-base complex. <i>Dalton Transactions</i> , 2016, 45, 19290-19298.	3.3	17
48	Dimerization of a marginally stable disilyl germylene to tricyclic systems: evidence for reversible NHC-coordination. <i>Chemical Communications</i> , 2016, 52, 2799-2802.	4.1	27
49	A Multiply Functionalized Base-Coordinated Ge ^{II} Compound and Its Reversible Dimerization to the Digermene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 289-292.	13.8	42
50	A Molecular Complex with a Formally Neutral Iron Germanide Motif (Fe ₂ Ge ₂). <i>Organometallics</i> , 2015, 34, 2130-2133.	2.3	28
51	Dismutational and Global-Minimum Isomers of Heavier 1,4-Dimetallatetrasilabenzenes of Group...14. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3514-3518.	13.8	49
52	N-Heterocyclic Carbene Coordinated Neutral and Cationic Heavier Cyclopropylidenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9953-9956.	13.8	76
53	NHC-coordinated silagermylidene functionalized in allylic position and its behaviour as a ligand. <i>Dalton Transactions</i> , 2014, 43, 5175-5181.	3.3	72
54	NHC-Stabilized Silagermylidene: A Heavier Analogue of Vinylidene. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12179-12182.	13.8	97

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55	Synthesis of a Lewis Base Stabilized Dimer of N-Substituted Hydrosila Hydrazone and a Silaaziridine. <i>Organometallics</i> , 2011, 30, 912-916.	2.3	29
56	Reaction of Tin(II) Hydride with Compounds Containing Aromatic C-F Bonds. <i>Organometallics</i> , 2010, 29, 4837-4841.	2.3	36
57	Selective Aromatic C-F and C-H Bond Activation with Silylenes of Different Coordinate Silicon. <i>Journal of the American Chemical Society</i> , 2010, 132, 10164-10170.	13.7	116
58	Germanium(ii) hydride mediated reduction of carbon dioxide to formic acid and methanol with ammonia borane as the hydrogen source. <i>Dalton Transactions</i> , 2010, 39, 9487.	3.3	51
59	Synthesis of phosphine substituted β^2 -diketiminato based isomeric Ge(ii) complexes. <i>Dalton Transactions</i> , 2010, 39, 234-238.	3.3	25
60	Reactivity of germanium(II) hydride with nitrous oxide, trimethylsilyl azide, ketones, and alkynes and the reaction of a methyl analogue with trimethylsilyl diazomethane. <i>Dalton Transactions</i> , 2010, 39, 132-138.	3.3	73
61	Reactions of Tin(II) Hydride Species with Unsaturated Molecules. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1106-1109.	13.8	91
62	On Nitrogen Insertion of a Diazo Compound into a Germanium(II) Hydrogen Bond and a Comparable Reaction with Diethyl Azodicarboxylate. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4246-4248.	13.8	35
63	Hydrostannylation of Ketones and Alkynes with $LSnH$ [$L = HC(CMeNAr)_2$, $Ar = 2,6\text{-iPr}_2C_6H_3$]. <i>Inorganic Chemistry</i> , 2009, 48, 9543-9548.	4.0	37
64	A Germanium(II) Hydride as an Effective Reagent for Hydrogermylation Reactions. <i>Journal of the American Chemical Society</i> , 2009, 131, 1288-1293.	13.7	144
65	Realizing the 1,1-Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinones as a Source of Cyclic (Alkyl)(Amino)Carbenes. <i>Angewandte Chemie</i> , 0, , .	2.0	0