# Anukul Jana

List of Publications by Year
in descending order

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| 65 | 1,633 | 257450 | 302126 |
|---|---|---|---|
| papers | citations | 24 h-index | 39 g-index |

| 69 | 69 | 69 | 946 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Germanium(II) Hydride as an Effective Reagent for Hydrogermylation Reactions. Journal of the American Chemical Society, 2009, 131, 1288-1293. | 13.7 | 144 |
| 2 | Selective Aromatic Câˆ'F and Câˆ'H Bond Activation with Silylenes of Different Coordinate Silicon. Journal of the American Chemical Society, 2010, 132, 10164-10170. | 13.7 | 116 |
| 3 | NHCâ€Stabilized Silagermenylidene: A Heavier Analogue of Vinylidene. Angewandte Chemie - International Edition, 2013, 52, 12179-12182. | 13.8 | 97 |
| 4 | Reactions of Tin(II) Hydride Species with Unsaturated Molecules. Angewandte Chemie - International Edition, 2009, 48, 1106-1109. | 13.8 | 91 |
| 5 | Nâ€Heterocyclic Carbene Coordinated Neutral and Cationic Heavier Cyclopropylidenes. Angewandte Chemie - International Edition, 2014, 53, 9953-9956. | 13.8 | 76 |
| 6 | Reactivity of germanium(II) hydride with nitrous oxide, trimethylsilyl azide, ketones, and alkynes and the reaction of a methyl analogue with trimethylsilyl diazomethane. Dalton Transactions, 2010, 39, 132-138. | 3.3 | 73 |
| 7 | NHC-coordinated silagermenylidene functionalized in allylic position and its behaviour as a ligand. Dalton Transactions, 2014, 43, 5175-5181. | 3.3 | 72 |
| 8 | Germanium(ii) hydride mediated reduction of carbon dioxide to formic acid and methanol with ammonia borane as the hydrogen source. Dalton Transactions, 2010, 39, 9487. | 3.3 | 51 |
| 9 | Dismutational and Globalâ€Minimum Isomers of Heavier 1,4â€Dimetallatetrasilabenzenes of Groupâ€...14. Angewandte Chemie - International Edition, 2014, 53, 3514-3518. | 13.8 | 49 |
| 10 | Pentagonal Bipyramidal Ln(III) Complexes Containing an Axial Phosphine Oxide Ligand: Field-induced Single-ion Magnetism Behavior of the Dy(III) Analogues. Inorganic Chemistry, 2020, 59, 6603-6612. | 4.0 | 44 |
| 11 | A Multiply Functionalized Baseâ€Coordinated Ge<sup>II</sup> Compound and Its Reversible Dimerization to the Digermene. Angewandte Chemie - International Edition, 2015, 54, 289-292. | 13.8 | 42 |
| 12 | Hydrostannylation of Ketones and Alkynes with LSnH [L = HC(CMeNAr)2, Ar = 2,6-iPr2C6H3]. Inorganic Chemistry, 2009, 48, 9543-9548. | 4.0 | 37 |
| 13 | Reaction of Tin(II) Hydride with Compounds Containing Aromatic Câˆ'F Bonds. Organometallics, 2010, 29, 4837-4841. | 2.3 | 36 |
| 14 | Endâ€On Nitrogen Insertion of a Diazo Compound into a Germanium(II) Hydrogen Bond and a Comparable Reaction with Diethyl Azodicarboxylate. Angewandte Chemie - International Edition, 2009, 48, 4246-4248. | 13.8 | 35 |
| 15 | Stepwise Reversible Oxidation of N-Peralkyl-Substituted NHCâ€"CAAC Derived Triazaalkenes: Isolation of Radical Cations and Dications. Organic Letters, 2017, 19, 5605-5608. | 4.6 | 34 |
| 16 | Anionic Boron- and Carbon-Based Hetero-Diradicaloids Spanned by a p-Phenylene Bridge. Journal of the American Chemical Society, 2021, 143, 3687-3692. | 13.7 | 31 |
| 17 | Synthesis of a Lewis Base Stabilized Dimer of N-Substituted Hydrosila Hydrazone and a Silaaziridine. Organometallics, 2011, 30, 912-916. | 2.3 | 29 |
| 18 | A Molecular Complex with a Formally Neutral Iron Germanide Motif (Fe<sub>2</sub>Ge<sub>2</sub>). Organometallics, 2015, 34, 2130-2133. | 2.3 | 28 |

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|---|---|---|---|
| 19 | Dimerization of a marginally stable disilenyl germylene to tricyclic systems: evidence for reversible NHC-coordination. Chemical Communications, 2016, 52, 2799-2802. | 4.1 | 27 |
| 20 | Reactivity enhancement of a diphosphene by reversible N-heterocyclic carbene coordination. Chemical Science, 2018, 9, 4235-4243. | 7.4 | 26 |
| 21 | CAACâ€Based Thiele and Schlenk Hydrocarbons. Angewandte Chemie - International Edition, 2020, 59, 6729-6734. | 13.8 | 26 |
| 22 | Synthesis of phosphine substituted Î²-diketiminate based isomeric Ge(ii) complexes. Dalton Transactions, 2010, 39, 234-238. | 3.3 | 25 |
| 23 | The oxidation state in low-valent beryllium and magnesium compounds. Chemical Science, 2022, 13, 6583-6591. | 7.4 | 25 |
| 24 | An anionic heterosiliconoid with two germanium vertices. Chemical Communications, 2019, 55, 10100-10103. | 4.1 | 22 |
| 25 | Acyclic diaminocarbene-based Thiele, Chichibabin, and MÃ¼ller hydrocarbons. Chemical Science, 2020, 11, 11827-11833. | 7.4 | 19 |
| 26 | Activation of Aromatic Câˆ’F Bonds by a Nâ€Heterocyclic Olefin (NHO). Chemistry - A European Journal, 2020, 26, 5951-5955. | 3.3 | 18 |
| 27 | Assembly of NHC-stabilized 2-hydrophosphasilenes from Si(<scp>iv</scp>) precursors: a Lewis acidâ€“base complex. Dalton Transactions, 2016, 45, 19290-19298. | 3.3 | 17 |
| 28 | Influence of N-Substitution on the Formation and Oxidation of NHCâ€“CAAC-Derived Triazaalkenes. Journal of Organic Chemistry, 2019, 84, 8899-8909. | 3.2 | 17 |
| 29 | Direct access to 2-aryl substituted pyrrolinium saltsÂfor carbon centre based radicals without pyrrolidine-2-ylidene alias cyclic(alkyl)(amino)carbene (CAAC) as a precursor. Chemical Science, 2019, 10, 4077-4081. | 7.4 | 17 |
| 30 | Tethered CAACâ€“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 |
| 31 | Disclosing Cyclic(Alkyl)(Amino)Carbenes as Oneâ€Electron Reductants: Synthesis of Acyclic(Amino)(Aryl)Carbeneâ€Based KekulÃ© Diradicaloids. Chemistry - A European Journal, 2022, 28, . | 3.3 | 13 |
| 32 | Monoâ€and Dicoordinate Germanium(0) as a Fourâ€Electron Donor. Chemistry - A European Journal, 2018, 24, 2873-2878. | 3.3 | 12 |
| 33 | Neutral and anionic phosphate-diesters as molecular templates for the encapsulation of a water dimer. Chemical Communications, 2018, 54, 11913-11916. | 4.1 | 12 |
| 34 | Equilibrium Coordination of NHCs to Si(IV) Species and Donor Exchange in Donorâ€“Acceptor Stabilized Si(II) and Ge(II) Compounds. Inorganic Chemistry, 2019, 58, 4071-4075. | 4.0 | 12 |
| 35 | Î±,Î±â€²-Diamino-p-quinodimethanes with Three Stable Oxidation States. Organic Letters, 2020, 22, 8332-8336. | 4.6 | 12 |
| 36 | N,Nâ€²â€Ethyleneâ€Bridged Bisâ€2â€Arylâ€Pyrrolinium Cations to Eâ€Diaminoalkenes: Nonâ€Identical Stepwise Reversible Doubleâ€Redox Coupled Bond Activation Reactions. Chemistry - A European Journal, 2020, 26, 4425-4431. | 3.3 | 11 |

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|---|---|---|---|
| 37 | 2,6-(Diphenylmethyl)-Aryl-Substituted Neutral and Anionic Phosphates: Approaches to H-Bonded Dimeric Molecular Structures. ChemistrySelect, 2017, 2, 8898-8910. | 1.5 | 10 |
| 38 | â€œAbnormalâ€•Addition of NHC to a Conjugate Acid of CAAC: Formation of Nâ€Alkylâ€Substituted CAAC. Chemistry - A European Journal, 2018, 24, 12722-12727. | 3.3 | 10 |
| 39 | NHCâ€Coordinated Diphospheneâ€Stabilized Gold(I) Hydride and Its Reversible Conversion to Gold(I) Formate with CO<sub>2</sub>. Angewandte Chemie - International Edition, 2019, 58, 15367-15371. | 13.8 | 10 |
| 40 | Twisted Pushâ€“Pull Alkenes Bearing Geminal Cyclicdiamino and Difluoroaryl Substituents. Journal of Organic Chemistry, 2021, 86, 12683-12692. | 3.2 | 9 |
| 41 | Reactivity of NHC/diphosphene-coordinated Au(<scp>i</scp>)-hydride. Chemical Communications, 2021, 57, 809-812. | 4.1 | 8 |
| 42 | Î±,Î±â€²-Diamino-p-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 |
| 43 | NHC-stabilized 1-hydrosilaimine: synthesis, structure and reactivity. Chemical Communications, 2017, 53, 8592-8595. | 4.1 | 7 |
| 44 | Influence of N-heterocyclic carbenes (NHCs) on the hydrolysis of a diphosphene. Dalton Transactions, 2020, 49, 993-997. | 3.3 | 7 |
| 45 | Structural Diversity in Supramolecular Organization of Anionic Phosphate Monoesters: Role of Cations. ACS Omega, 2019, 4, 2118-2133. | 3.5 | 6 |
| 46 | Diamidocarbene-Based Thiele and Tschitschibabin Hydrocarbons: Carbonyl Functionalized KekulÃ© Diradicaloids. Journal of Organic Chemistry, 2021, 86, 16464-16472. | 3.2 | 6 |
| 47 | Realizing 1,1â€Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinâ€2â€ols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 6 |
| 48 | Trisubstituted geminal diazaalkene derived transient 1,2-carbodications. Chemical Communications, 2020, 56, 8233-8236. | 4.1 | 5 |
| 49 | CAACâ€Based Thiele and Schlenk Hydrocarbons. Angewandte Chemie, 2020, 132, 6795-6800. | 2.0 | 5 |
| 50 | Synthesis and reactivity of NHC-coordinated phosphinidene oxide. Chemical Communications, 2021, 57, 9546-9549. | 4.1 | 5 |
| 51 | Molecular enneanuclear Cu<sup>II</sup> phosphates containing planar hexanuclear and trinuclear sub-units: syntheses, structures, and magnetism. Dalton Transactions, 2020, 49, 2527-2536. | 3.3 | 4 |
| 52 | Modulation of the nuclearity of molecular Mg(<scp>ii</scp>)-phosphates: solid-state structural change involving coordinating solvents. Dalton Transactions, 2019, 48, 8853-8860. | 3.3 | 3 |
| 53 | Facile Oneâ€Pot Assembly of Pushâ€“Pull Imines by a Selective Câ€“F Substitution Process in Aryl Fluorides. European Journal of Organic Chemistry, 2020, 2020, 7445-7449. | 2.4 | 3 |
| 54 | Molecular di- and tetra-nuclear zinc(II) phosphates with sterically hindered aryl phosphate mono esters ligands. Polyhedron, 2019, 172, 216-225. | 2.2 | 2 |

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|---|---|---|---|
| 55 | Solvent-assisted monomeric molecular structure of the phosphate diester and the synthesis of menthol-based phosphate diesters. Journal of Chemical Sciences, 2019, 131, 1. | 1.5 | 2 |
| 56 | An Air-Stable Alkene-Derived Organic Radical Cation. ACS Omega, 2022, 7, 837-843. | 3.5 | 2 |
| 57 | Reactions of 4-diphenylphosphino benzoic acid with organotin oxides and -oxy-hydroxide. Journal of Chemical Sciences, 2018, 130, 1. | 1.5 | 1 |
| 58 | Organotin Phosphates Assembled from a Sterically Hindered Organophosphate, ArOP(O)(OH)<sub>2</sub>, (Ar =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (2,6-(CHPh<sub>2</sub>)<sub>2</sub>-4-i-Pr-C Structures. Crystal Growth and Design, 2020, 20, 3034-3043. | 3.0 | 1 |
| 59 | Contrasting reactivity of (boryl)(aryl)lithium-amide with electrophiles: N- vs. p-aryl-C-nucleophilic substitution. Dalton Transactions, 2018, 47, 14411-14415. | 3.3 | 0 |
| 60 | NHCâ€Coordinated Diphospheneâ€Stabilized Gold(I) Hydride and Its Reversible Conversion to Gold(I) Formate with CO 2. Angewandte Chemie, 2019, 131, 15511-15515. | 2.0 | 0 |
| 61 | Coordination of N-heterocyclic carbene to Siâ€“Si and Pâ€“P multiple bonded compounds. , 2021, , 393-429. | | 0 |
| 62 | Activation of O<sub>2</sub> across a C(sp<sup>3</sup>)â€“C(sp<sup>3</sup>) bond. Chemical Communications, 2022, 58, 3122-3125. | 4.1 | 0 |
| 63 | Realizing the 1,1â€Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinâ€2â€ols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie, 0, , . | 2.0 | 0 |
| 64 | Frontispiece: Realizing 1,1â€Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinâ€2â€ols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 0 |
| 65 | Frontispiz: Realizing 1,1â€Dehydration of Secondary Alcohols to Carbenes: Pyrrolidinâ€2â€ols as a Source of Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie, 2022, 134, . | 2.0 | 0 |