

Pankaj Kalita

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Low-coordinate mononuclear lanthanide complexes as molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2018, 367, 163-216.	9.5	118
2	Lanthanide(III)-Based Single-Ion Magnets. <i>ACS Omega</i> , 2018, 3, 9462-9475.	1.6	108
3	Heterometallic 3d ⁴ f single molecule magnets containing diamagnetic metal ions. <i>Dalton Transactions</i> , 2018, 47, 8841-8864.	1.6	69
4	Pentagonal-Bipyramid Ln(III) Complexes Exhibiting Single-Ion-Magnet Behavior: A Rational Synthetic Approach for a Rigid Equatorial Plane. <i>Inorganic Chemistry</i> , 2018, 57, 2398-2401.	1.9	54
5	Heterometallic Cu ^I -Ln(III) complexes: Single molecule magnets and magnetic refrigerants. <i>Coordination Chemistry Reviews</i> , 2021, 432, 213707.	9.5	48
6	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.	1.9	44
7	Stepwise Reversible Oxidation of <i>N</i> -Peralkyl-Substituted NHC ⁺ CAAC Derived Triazaalkenes: Isolation of Radical Cations and Dications. <i>Organic Letters</i> , 2017, 19, 5605-5608.	2.4	34
8	Mononuclear Lanthanide Complexes: Energy-Barrier Enhancement by Ligand Substitution in Field-Induced Dy ^{III} SIMs. <i>Inorganic Chemistry</i> , 2017, 56, 7985-7997.	1.9	29
9	Reactivity enhancement of a diphosphene by reversible N-heterocyclic carbene coordination. <i>Chemical Science</i> , 2018, 9, 4235-4243.	3.7	26
10	CAAC ⁺ -Based Thiele and Schlenk Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6729-6734.	7.2	26
11	Mononuclear pentagonal bipyramidal Ln(III) complexes: Syntheses and magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166098.	1.0	19
12	Assembly of NHC-stabilized 2-hydrophosphasilenes from Si(<i>scpv</i>) precursors: a Lewis acid ⁺ base complex. <i>Dalton Transactions</i> , 2016, 45, 19290-19298.	1.6	17
13	Influence of N-Substitution on the Formation and Oxidation of NHC ⁺ CAAC-Derived Triazaalkenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 8899-8909.	1.7	17
14	Direct access to 2-aryl substituted pyrrolinium salts ⁺ for carbon centre based radicals <i>without</i> pyrrolidine-2-ylidene <i>alias</i> cyclic(alkyl)(amino)carbene (CAAC) as a precursor. <i>Chemical Science</i> , 2019, 10, 4077-4081.	3.7	17
15	Homodinuclear {Ln ^{III} } ₂ (Ln ^{III} = Gd ^{III} , Tb ^{III}), Tj ETQq1 1 0.784314 rgB and Tb ^{III} Analogues. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 212-220.	1.0	17
16	Azide-Coordination in Homometallic Dinuclear Lanthanide(III) Complexes Containing Nonequivalent Lanthanide Metal Ions: Zero-Field SMM Behavior in the Dysprosium Analogue. <i>Inorganic Chemistry</i> , 2021, 60, 8530-8545.	1.9	17
17	Heterometallic Octanuclear Ni ^{II} ₂ Ln ^{III} ₄ (Ln = Y, Gd, Tb), Tj ETQq1 1 0.784314 rgB Ni ^{II} ₂ Ln ^{III} ₂ O ₄ Distorted Cubane Motifs: Synthesis, Structure, and Magnetic Properties. <i>ACS Omega</i> , 2018, 3, 5202-5211.	1.6	13
18	Neutral and anionic phosphate-diester as molecular templates for the encapsulation of a water dimer. <i>Chemical Communications</i> , 2018, 54, 11913-11916.	2.2	12

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19	Phosphonate-assisted tetranuclear lanthanide assemblies: observation of the toroidic ground state in the Tb ^{III} analogue. Dalton Transactions, 2019, 48, 6421-6434.	1.6	12
20	High-Coordinate Mononuclear Ln(III) Complexes: Synthetic Strategies and Magnetic Properties. Magnetochemistry, 2021, 7, 1.	1.0	11
21	2,6-(Diphenylmethyl)-Aryl-Substituted Neutral and Anionic Phosphates: Approaches to H-Bonded Dimeric Molecular Structures. ChemistrySelect, 2017, 2, 8898-8910.	0.7	10
22	Abnormal Addition of NHC to a Conjugate Acid of CAAC: Formation of <i>N</i> -Alkyl-Substituted CAAC. Chemistry - A European Journal, 2018, 24, 12722-12727.	1.7	10
23	Seven-coordinate Ln ^{III} complexes assembled from a bulky ^{Mes} acacH ligand: their synthesis, structure, photoluminescence and SMM behaviour. Dalton Transactions, 2020, 49, 15404-15416.	1.6	9
24	Mononuclear lanthanide complexes assembled from a tridentate NNO donor ligand: design of a Dy ^{III} single-ion magnet. Dalton Transactions, 2019, 48, 4857-4866.	1.6	8
25	Influence of N-heterocyclic carbenes (NHCs) on the hydrolysis of a diphosphene. Dalton Transactions, 2020, 49, 993-997.	1.6	7
26	Structural Diversity in Supramolecular Organization of Anionic Phosphate Monoesters: Role of Cations. ACS Omega, 2019, 4, 2118-2133.	1.6	6
27	CAAC-Based Thiele and Schlenk Hydrocarbons. Angewandte Chemie, 2020, 132, 6795-6800.	1.6	5
28	Molecular enneanuclear Cu ^{II} phosphates containing planar hexanuclear and trinuclear sub-units: syntheses, structures, and magnetism. Dalton Transactions, 2020, 49, 2527-2536.	1.6	4
29	Octanuclear {Ln ₈ } complexes: magneto-caloric effect in the {Gd ₈ } analogue. Journal of Chemical Sciences, 2021, 133, 1.	0.7	4
30	Modulation of the nuclearity of molecular Mg(ⁱⁱ)-phosphates: solid-state structural change involving coordinating solvents. Dalton Transactions, 2019, 48, 8853-8860.	1.6	3
31	Molecular di- and tetra-nuclear zinc(II) phosphates with sterically hindered aryl phosphate mono esters ligands. Polyhedron, 2019, 172, 216-225.	1.0	2
32	Organotin Phosphates Assembled from a Sterically Hindered Organophosphate, ArOP(O)(OH) ₂ , (Ar =) Tj ETQqO O O rgBT /Overlock 10 Tf 50 222 Td (2,6-(CHPh) ₂) ₂ -4- <i>i</i> -Pr-C Structures. Crystal Growth and Design, 2020, 20, 3034-3043.	1.4	1
33	Contrasting reactivity of (boryl)(aryl)lithium-amide with electrophiles: N- vs. p-aryl-C-nucleophilic substitution. Dalton Transactions, 2018, 47, 14411-14415.	1.6	0