

Arun Kumar Bar

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent metal-organic framework for selective sensing of nitroaromatic explosives. <i>Chemical Communications</i> , 2011, 47, 12137.	4.1	482
2	Magnetic anisotropy in two- to eight-coordinated transition-metal complexes: Recent developments in molecular magnetism. <i>Coordination Chemistry Reviews</i> , 2016, 308, 346-380.	18.8	361
3	Modification of Extended Open Frameworks with Fluorescent Tags for Sensing Explosives: Competition between Size Selectivity and Electron Deficiency. <i>Chemistry - A European Journal</i> , 2014, 20, 2276-2291.	3.3	311
4	Fluorescent Tris-Imidazolium Sensors for Picric Acid Explosive. <i>Journal of Organic Chemistry</i> , 2013, 78, 1306-1310.	3.2	240
5	Supramolecular polymer for explosives sensing: role of H-bonding in enhancement of sensitivity in the solid state. <i>Chemical Communications</i> , 2011, 47, 10046.	4.1	165
6	Self-Assembly of a Nanoscopic Pt ₁₂ Fe ₁₂ Heterometallic Open Molecular Box Containing Six Porphyrin Walls. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8455-8459.	13.8	153
7	Multicomponent Assembly of Fluorescent-Tag Functionalized Ligands in Metal-Organic Frameworks for Sensing Explosives. <i>Chemistry - A European Journal</i> , 2014, 20, 13321-13336.	3.3	150
8	Low-coordinate mononuclear lanthanide complexes as molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2018, 367, 163-216.	18.8	118
9	Coordination-Driven Self-Assembly of Metallamacrocycles via a New Pt ^{II} ₂ Organometallic Building Block with 90° Geometry and Optical Sensing of Anions. <i>Organometallics</i> , 2010, 29, 2971-2980.	2.3	105
10	Single-ion magnet behaviour of heptacoordinated Fe(<i>scpi</i>) complexes: on the importance of supramolecular organization. <i>Chemical Communications</i> , 2015, 51, 3616-3619.	4.1	94
11	An electron rich porous extended framework as a heterogeneous catalyst for Diels-Alder reactions. <i>Chemical Communications</i> , 2013, 49, 7439.	4.1	92
12	Self-Assembly of Molecular Prisms via Pt ₃ Organometallic Acceptors and a Pt ₂ Organometallic Clip. <i>Organometallics</i> , 2009, 28, 4288-4296.	2.3	72
13	Self-assembly of neutral and cationic PdII organometallic molecular rectangles: synthesis, characterization and nitroaromatic sensing. <i>Dalton Transactions</i> , 2011, 40, 2257.	3.3	71
14	Self-Assembly of a Pd ₆ Molecular Double-Square and a Cu ₃ -Trigonalbipyramidal Cage via a New Tripodal Flexible Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 10880-10882.	4.0	70
15	Pentagonal Bipyramid Fe ^{II} Complexes: Robust Ising Spin Units towards Heteropolynuclear Nanomagnets. <i>Chemistry - A European Journal</i> , 2017, 23, 4380-4396.	3.3	67
16	A Pd ₆ Molecular Cage via Multicomponent Self-Assembly Incorporating Both Neutral and Anionic Linkers. <i>Inorganic Chemistry</i> , 2010, 49, 7647-7649.	4.0	56
17	Constructions of 2D-Metallamacrocycles Using Half-Sandwich Ru ^{II} ₂ Precursors: Synthesis, Molecular Structures, and Self-Selection for a Single Linkage Isomer. <i>Organometallics</i> , 2011, 30, 1951-1960.	2.3	55
18	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.	4.0	54

#	ARTICLE	IF	CITATIONS
19	A Series of Trifacial Pd ₆ Molecular Barrels with Porphyrin Walls. <i>Chemistry - A European Journal</i> , 2012, 18, 9571-9579.	3.3	50
20	Three-Component Self-Assembly of a Series of Triply Interlocked Pd ₁₂ Coordination Prisms and Their Non-Interlocked Pd ₆ Analogues. <i>Chemistry - A European Journal</i> , 2012, 18, 3199-3209.	3.3	45
21	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
22	Ruthenium ^{II} -Oxygen Coordination-Driven Self-Assembly of a Ru ₈ Incomplete Prism: Synthesis, Structure, and Shape-Selective Molecular Recognition Study. <i>Inorganic Chemistry</i> , 2010, 49, 10235-10237.	4.0	42
23	Synthesis and characterisation of heterometallic molecular triangles using ambidentate linker: self-selection of a single linkage isomer. <i>Dalton Transactions</i> , 2009, , 3222.	3.3	38
24	Self-assembly of a PdII neutral molecular rectangle via a new organometallic PdII ₂ molecular clip and oxygen donor linker. <i>Dalton Transactions</i> , 2009, , 6701.	3.3	34
25	Coordination self-assembly of tetranuclear Pt(II) macrocycles with an organometallic backbone for sensing of acyclic dicarboxylic acids. <i>Dalton Transactions</i> , 2013, 42, 2998-3008.	3.3	23
26	Tetranuclear Lanthanide(III) Complexes Containing a Square-Grid Core: Synthesis, Structure, and Magnetism. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4683-4692.	2.0	23
27	Unusual Hydrogenation of Fumarate Anion Followed by Metal ^{II} -Carbon Bond Formation: Synthesis and Characterization of Two Metallochelates. <i>Organometallics</i> , 2008, 27, 3806-3810.	2.3	20
28	Coordination driven self-assembly of metallamacrocycles using ambidentate linkers and self-selection of single linkage isomer. <i>Inorganica Chimica Acta</i> , 2011, 372, 313-320.	2.4	13
29	Rigid N ₃ O ₂ -Pentadentate Ligand-Assisted Octacoordinate Mononuclear Ln(III) Complexes: Syntheses, Characterization, and Slow Magnetization Relaxation. <i>ACS Omega</i> , 0, , .	3.5	4