

# Arun Kumar Bar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11365236/publications.pdf>

Version: 2024-02-01

29  
papers

3,052  
citations

257450

24  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3346  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Low-coordinate mononuclear lanthanide complexes as molecular nanomagnets. <i>Coordination Chemistry Reviews</i> , 2018, 367, 163-216.	18.8	118
4	Pentagonal Bipyramid Fe <sup>II</sup> Complexes: Robust Ising Spin Units towards Heteropolynuclear Nanomagnets. <i>Chemistry - A European Journal</i> , 2017, 23, 4380-4396.	3.3	67
5	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
6	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
7	Single-ion magnet behaviour of heptacoordinated Fe(II) complexes: on the importance of supramolecular organization. <i>Chemical Communications</i> , 2015, 51, 3616-3619.	4.1	94
8	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
9	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
10	An electron rich porous extended framework as a heterogeneous catalyst for Diels-Alder reactions. <i>Chemical Communications</i> , 2013, 49, 7439.	4.1	92
11	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
12	Fluorescent Tris-Imidazolium Sensors for Picric Acid Explosive. <i>Journal of Organic Chemistry</i> , 2013, 78, 1306-1310.	3.2	240
13	A Series of Trifacial Pd <sub>6</sub> Molecular Barrels with Porphyrin Walls. <i>Chemistry - A European Journal</i> , 2012, 18, 9571-9579.	3.3	50
14	Three-Component Self-Assembly of a Series of Triply Interlocked Pd <sub>12</sub> Coordination Prisms and Their Non-Interlocked Pd <sub>6</sub> Analogues. <i>Chemistry - A European Journal</i> , 2012, 18, 3199-3209.	3.3	45
15	Constructions of 2D-Metallamacrocycles Using Half-Sandwich Ru <sup>II</sup> <sub>2</sub> Precursors: Synthesis, Molecular Structures, and Self-Selection for a Single Linkage Isomer. <i>Organometallics</i> , 2011, 30, 1951-1960.	2.3	55
16	Fluorescent metal-organic framework for selective sensing of nitroaromatic explosives. <i>Chemical Communications</i> , 2011, 47, 12137.	4.1	482
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	A Pd <sub>6</sub> Molecular Cage via Multicomponent Self-Assembly Incorporating Both Neutral and Anionic Linkers. <i>Inorganic Chemistry</i> , 2010, 49, 7647-7649.	4.0	56
21	Ruthenium <sup>II</sup> -Oxygen Coordination-Driven Self-Assembly of a Ru <sub>8</sub> Incomplete Prism: Synthesis, Structure, and Shape-Selective Molecular Recognition Study. <i>Inorganic Chemistry</i> , 2010, 49, 10235-10237.	4.0	42
22	Coordination-Driven Self-Assembly of Metallamacrocycles via a New Pt <sup>II</sup> <sub>2</sub> Organometallic Building Block with 90° Geometry and Optical Sensing of Anions. <i>Organometallics</i> , 2010, 29, 2971-2980.	2.3	105
23	Self-Assembly of Molecular Prisms via Pt <sub>3</sub> Organometallic Acceptors and a Pt <sub>2</sub> Organometallic Clip. <i>Organometallics</i> , 2009, 28, 4288-4296.	2.3	72
24	Self-Assembly of a Pd <sub>6</sub> Molecular Double-Square and a Cu <sub>3</sub> -Trigonalbipyramidal Cage via a New Tripodal Flexible Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 10880-10882.	4.0	70
25	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
26	Self-assembly of a Pd <sup>II</sup> neutral molecular rectangle via a new organometallic Pd <sup>II</sup> <sub>2</sub> molecular clip and oxygen donor linker. <i>Dalton Transactions</i> , 2009, , 6701.	3.3	34
27	Self-Assembly of a Nanoscopic Pt <sub>12</sub> Fe <sub>12</sub> Heterometallic Open Molecular Box Containing Six Porphyrin Walls. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8455-8459.	13.8	153
28	Unusual Hydrogenation of Fumarate Anion Followed by Metal <sup>II</sup> -Carbon Bond Formation: Synthesis and Characterization of Two Metallochelates. <i>Organometallics</i> , 2008, 27, 3806-3810.	2.3	20
29	Rigid N <sub>3</sub> O <sub>2</sub> -Pentadentate Ligand-Assisted Octacoordinate Mononuclear Ln(III) Complexes: Syntheses, Characterization, and Slow Magnetization Relaxation. <i>ACS Omega</i> , 0, , .	3.5	4