

## Complete list of publications

Citation Data: Total Publications: 205; Total Citations: 14,340; Average Citations per paper: 65.12.

h-index: 65

### Google Scholar Link:

<https://scholar.google.com/citations?hl=en&pli=1&user=6szY5wQAAAAJ>

### Summary of publications:

- A) American Chemical Society's journals: Total publications: 81 (IC-42, JOC-5, JACS-17, JACS-Au: 1, Orgmet-7, Chem. Rev. 2, Acc. Chem. Res. 1, Cryst Growth & Des. 3, ACS Omega 1, ACS Catalysis 1, Chem. Mater. 1)
- B) Royal Society's journals: Total publications: 60 (Chem. Sci. 3, ChemComm: 24, Dalton Trans: 25, NJC: 3, J. Mater. Chem: 1, RSC Adv.: 2, Cryst Engg Comm. 1, OBC: 1)
- C) Elsevier's journals: Total Publications: 19 (ICActa: 10, IC Comm: 3, Tet. Lett: 1, Polyhedron: 4, J. Orgmet. Chem: 1)
- D) Willey's journals: Total Publications: 33 (Angew Chem: 5, Chem. Eur. J: 22, Eur J IC: 4, ChemPlusChem: 1; Israel J. Chem: 1)
- E) Indian Journals: Total Publications: 05 (Ind. J. Chem: 03, J. Chem. Sci. 1, PNAS India: 1)
- F) Other journals: Total publications: 06

	<b>Authors</b>	<b>Title</b>	<b>Journal</b>
205	R. Banerjee, D. Chakraborty, P. S. Mukherjee	Molecular Barrels as Potential Hosts: From Synthesis to Applications	<b>J. Am. Chem. Soc.</b> 2023, 145, in press.
204	S. Ahmed, P. S. Mukherjee	Benzothiadiazole-based Pt(II) coordination polymer as efficient heterogeneous photocatalyst for visible-light-driven aerobic oxidative	<b>Chem. Commun.</b> 2023, 59,

		coupling of amines	
203	V. Rinshad, J. Sahoo, M. Venkateswarulu, N. Hickey, M. De, <b>P. S. Mukherjee</b>	Solvent Induced Conversion of a Self-Assembled Gyrobifastigium to a Barrel and Encapsulation of Zinc-Phthalocyanine within the Barrel for Enhanced Photodynamic Therapy	<b>Angew Chem. Int. Ed.</b> <b>2023</b> , <i>61</i> , <a href="https://doi.org/10.1002/anie.202218226">https://doi.org/10.1002/anie.202218226</a>
202	R. Saha, J. Sahoo, M. Venkateswarulu, M. De, <b>P. S. Mukherjee</b>	Shifting Triangle-Square Equilibrium of Self-Assembled Metallocycles by Guest Binding with Enhanced Photosensitization	<b>Inorg. Chem.</b> <b>2022</b> , <i>61</i> , 17289-17298.
201	D. Chakraborty, R. Saha, J. Clegg, <b>P. S. Mukherjee</b>	Selective separation of planar and non-planar hydrocarbons using an aqueous Pd <sub>6</sub> interlocked cage	<b>Chem. Sci.</b> <b>2022</b> , <i>13</i> , 11764-11771.
200	S. Ahmed, A. Kumar, <b>P. S. Mukherjee</b>	Supramolecular Coordination Polymer Towards Artificial Light-Harvesting Systems with Sequential Energy Transfer	<b>Chem. Mater.</b> <b>2022</b> , <i>34</i> , 9656-9665.
199	S. Ahmed, P. Howlader, S. Bhattacharyya, S. Mondal, E. Zangrando, <b>P. S. Mukherjee</b>	Fluorescence enhancement via structural rigidification inside a self-assembled Pd <sub>4</sub> molecular vessel	<b>Chem. Commun.</b> <b>2022</b> , <i>58</i> , 11390-11393.
198	P. Bhandari, <b>P. S. Mukherjee</b>	Post-Synthesis Conversion of an Unstable Imine Cage to a Stable Cage with Amide Moieties towards Selective Receptor for Fluoride	<b>Chem. Eur. J.</b> <b>2022</b> , <i>28</i> , <a href="http://dx.doi.org/10.1002/chem.202201901">http://dx.doi.org/10.1002/chem.202201901</a> .
197	P. Howlader, S. Ahmad, S. Mondal, E. Zangrando, <b>P. S. Mukherjee</b>	Conformation-Selective Self-Assembly of Pd <sub>6</sub> Trifacial Molecular Barrels Using a Tetra-pyridyl Ligand	<b>Inorg. Chem.</b> <b>2022</b> , <i>61</i> , 8121.
196	B. S. Arppitha, M. Venkataswarulu, P.	An Adaptable Water-Soluble Molecular Boat for Selective	<b>J. Am. Chem. Soc.</b> <b>2022</b> , <i>144</i> , 7504.

	Bhandari, K. S. A. Arachchige, J. Clegg, P. S. <b>Mukherjee</b>	Separation of Phenanthrene from Isomeric Anthracene	
195	D. Chakraborty, P. <b>S. Mukherjee</b>	Recent Trends in Organic Cage Synthesis: Push Towards Water-Soluble Organic Cages	<b>Chem. Commun. 2022</b> , 58, 5558-5573. <b>(Invited Contribution)</b>
194	R. Saha, B. Mondal, <b>P. S. Mukherjee</b>	Molecular Cavity for Catalysis and Formation of Metal Nanoparticles for Use in Catalysis	<b>Chem. Rev. 2022</b> , 122, 12244-12307. <b>(Invited Contribution)</b>
193	K. Acharyya, S. Bhattacharyya, S. Lu, Y. Sun, P. S. <b>Mukherjee</b> , P. J. Stang	Emissive Platinum(II) Macrocycles as Tunable Cascade Energy Transfer Scaffolds	<b>Angew Chem. Int. Ed. 2022</b> , 61, <a href="https://doi.org/10.1002/anie.202200715">https://doi.org/10.1002/anie.202200715</a>
192	A. Kumar, R. Banerjee, E. Zangrando, P. S. <b>Mukherjee</b>	Solvent and Counter-anion Assisted Dynamic Self-Assembly of Molecular Triangles and Tetrahedral Cages	<b>Inorg. Chem. 2022</b> , 61, 2368-2377.
191	P. Bhandari, B. Mondal, P. Howlader, P. S. <b>Mukherjee</b>	Face-Directed Tetrahedral Organic Cage Anchored Palladium Nanoparticles for Selective Homocoupling Reaction	<b>Eur. J. Inorg. Chem. 2022</b> , <a href="https://doi.org/10.1002/ejic.202100986">https://doi.org/10.1002/ejic.202100986</a>
190	P. P. Choudhury, M. Venkateswaralu, S. Bhattacharyya, P. S. <b>Mukherjee</b>	Silver(I) – Carbene Bond Directed Rigidification Induced Emissive Metallacage for Picric Acid Detection	<b>Inorg. Chem. 2022</b> , 61, 713-722
189	P. Bhandari, R. Modak, S. Bhattacharya, E. Zangrando, P. S. <b>Mukherjee</b>	Self-assembly of Octanuclear Pt/Pd-Coordination Barrels and Uncommon Structural Isomerization of a Photochromic Guest	<b>JACS-Au, 2021</b> 1, 2242-2246.
188	P. Choudhury, M. Maity, S. Bhattacharyya, P. S.	A Self-Assembled Pd(II) Barrel for Binding of Fullerenes and Photosensitization Ability of the	<b>Angew Chem. Int. Ed. 2021</b> , 60, 14109.

	<b>Mukherjee</b>	Fullerene Encapsulated Barrel	
187	D. Chakraborty, R. Modak, P. Howlader, <b>P. S. Mukherjee</b>	<i>De novo</i> approach for the synthesis of water-soluble interlocked and non-interlocked organic cages	<b>Chem. Commun.</b> <b>2021</b> , <i>57</i> , 3995-3997.
186	A. Kumar, R. Saha, <b>P. S. Mukherjee</b>	Self-assembled metallasupramolecular cages towards light harvesting systems for oxidative cyclization	<b>Chem. Sci.</b> <b>2021</b> , <i>12</i> , 5319-5329.
185	P. Howlader, S. Mondal, S. Ahamad, <b>P. S. Mukherjee</b>	Guest-Induced Enantioselective Self-Assembly of a Pd <sub>6</sub> Homochiral Octahedral Cage with a C <sub>3</sub> -Symmetric Pyridyl Donor	<b>J. Am. Chem. Soc.</b> <b>2020</b> , <i>142</i> , 20968-20972.
184	S. Bhattacharyya, S.K. Ali, M. Venkateswarulu, P. Howlader, E. Zangrando, M. De, <b>P. S. Mukherjee</b>	Self-Assembled Pd <sub>12</sub> Coordination Cage as Photoregulated Oxidase-Like Nanozyme	<b>J. Am. Chem. Soc.</b> <b>2020</b> , <i>142</i> , 18981-18989.
183	P. Howlader, P. Bhandari, D. Chakraborty, J. K. Clegg, <b>P. S. Mukherjee</b>	Self-Assembly of a Pd <sub>8</sub> Macrocycle and Pd <sub>12</sub> Homochiral Tetrahedral Cages Using Poly(tetrazolate) Linkers	<b>Inorg. Chem.</b> <b>2020</b> , <i>59</i> , 15454-15459.
182	B. Mondal, P. Bhandari, <b>P. S. Mukherjee</b>	Nucleation of Tiny Silver Nanoparticles Using a Tetrafacial Organic Molecular Barrel for Potential Use in Visible Light Triggered Photocatalysis	<b>Chem. Eur. J.</b> <b>2020</b> , <i>26</i> , 15007-15015.
181	S. Bhattacharyya, M. Venkateswarulu, J. Sahoo, M. De, <b>P. S. Mukherjee</b>	A Self-assembled Pt <sup>II</sup> <sub>8</sub> Metallosupramolecular Tubular Cage as Dual Warhead Antibacterial Agent in Water	<b>Inorg. Chem.</b> <b>2020</b> , <i>59</i> , 12690-12699.
180	P. Howlader, E. Zangrando, <b>P. S. Mukherjee</b>	Self-Assembly of Enantiopure Pd <sub>12</sub> Tetrahedral Homochiral	<b>J. Am. Chem. Soc.</b> <b>2020</b> , <i>142</i> , 9070.

	<b>Mukherjee</b>	Nanocages with Tetrazole Linkers and Chiral Recognition	<b>(Featured on the Front Cover of the JACS issue) Highlighted by the ACS as JACS-Spotlights</b>
179	A. Kumar, <b>P. S. Mukherjee</b>	Multicomponent Self-Assembly of Pd(II)/Pt(II) Interlocked Molecular Cages: Cage to Cage Conversion and Self-Sorting in Aqueous Medium	<b>Chem. Eur. J. 2020</b> , 26, 4842.
178	S. Bhattacharya, M. Maity, A. Chaudhury, M. L. Saha, P. J. Stang, <b>P. S. Mukherjee</b>	Coordination Assisted Reversible Photoswitching of Spiropyran-Based Platinum Macrocyces	<b>Inorg. Chem. 2020</b> , 59, 2083-2091.
177	R. Saha, <b>P. S. Mukherjee</b>	Chemistry of photoswitching molecules in confined nanospace of aqueous molecular vessels	<b>Dalton Trans. 2020</b> , 49, 1716. (Invited Frontier Article)
176	W. B. Tolman, A. L. Balch, S. Bart, B. Cossairt, S. Dehnen, P. S. Halasyamani, H. Kageyama, F. Meyer, J. Morrow, <b>P. S. Mukherjee</b> , F. Neese, P. P. Power, R. Sessoli, V. W. W. Yam, and H-C. Zhou	What is Inorganic Chemistry?  <b>(Editorial)</b>	<b>Inorg. Chem. 2019</b> , 58, 9515.
175	I. A. Bhat, E. Zangrando, <b>P. S. Mukherjee</b>	Coordination-Driven Self-Assembly of Discrete Molecular Nanotubular Architectures	<b>Inorg. Chem. 2019</b> , 58, 11172.
174	K. Acharyya, S. Bhattacharyya, H. Sepehrpour, S. Chakraborty, S. Lu, B. Shi, X. Li, <b>P. S. Mukherjee</b> and P. J. Stang	Self-Assembled Fluorescent Pt(II) Metallacycles as Artificial Light-Harvesting Systems	<b>J. Am. Chem. Soc. 2019</b> , 141, 14565.
173	P. P. Chowdhury, S. Bhattacharyya, M.	Linkage induced enhancement in fluorescence in metal-	<b>Chem. Commun. 2019</b> , 55, 8309.

	Maity, S. Mukhopadhyay, P. Howlader, P. S. <b>Mukherjee</b>	carbene bond directed metallacycles and cages	
172	R. Modak, B. Mondal, P. Howlader, P. S. <b>Mukherjee</b>	Self-assembly of a "Cationic-Cage" via formation of Ag-carbene bonds followed by imine condensation	<b>Chem. Commun. 2019, 55, 6711 - 6714</b>
171	R. Saha, A. Devaraj, S. Bhattacharya, S. Das, E. Zangrando, P. S. Mukherjee	Unusual behavior of Donor-Acceptor Stenhouse Adducts in Confined Space of a Pd(II) Molecular Vessel	<b>J. Am. Chem. Soc. 2019, 141, 8638.</b>
170	A. Kumar, E. Zangrando and P. S. Mukherjee	Self-assembled Pd <sub>3</sub> L <sub>2</sub> cages having flexible tri-imidazole donors	<b>Polyhedron, 2019, 172, 67.</b> (Invited article)
169	K. Acharyya, P. S. Mukherjee	Organic Imine Cages: Molecular Marriage and Applications	<b>Angew Chem. Int. Ed. 2019, 58, 8640.</b>
168	S. Bhattacharyya, A. Chowdhury, R. Saha, P. S. Mukherjee	Multifunctional Self-Assembled Macrocycles with Enhanced Emission and Reversible Photochromic Behaviour	<b>Inorg. Chem. 2019, 58, 3968.</b>
167	M. Siddiqui, R. Saha, P. S. Mukherjee	Ruthenium(II) Metalla[2]Catenanes and Macrocycles via Donor-Dependent Self-Assembly	<b>Inorg. Chem. 2019, 58, 4491.</b>
166	T. Prakasam, A. Devaraj, R. Saha, M. Lusi, J. Brandel, D. Esteban-Gómez, C. Platas-Iglesias, P. S. Mukherjee and A. Trabolsi	Metal-Organic Trefoil Knots for C-Br Activation	<b>ACS Catalysis, 2019, 9, 1709.</b>
165	P. Howlader and P. S. Mukherjee	Solvent directed synthesis of molecular cage and MOF of Cu(II) paddlewheel cluster	<b>Israel J. Chem. 2019, 59, 292.</b> (Invited contribution in honor of Prof. M. Fujita's Wolf Prize)
164	P. Das, A. Kumar, A. Chowdhury, P. S. Mukherjee	Aggregation Induced Emission and White Light Emission from a Combination of $\pi$ -Conjugated Donor-Acceptor Organic	<b>ACS Omega, 2018, 3, 13757.</b> (Invited article)

		Luminogens	
163	B. Mondal, <b>P. S. Mukherjee</b>	Cage Encapsulated Gold Nanoparticles as Heterogeneous Photocatalyst for Facile and Selective Reduction of Nitroarenes to Azo compounds	<b><i>J. Am. Chem. Soc.</i> 2018, 140, 12592.</b>
162	M. Maity, P. Howlader, <b>P. S. Mukherjee</b>	Coordination-Driven Self-Assembly of Cyclopentadienyl Capped Heterometallic Zr-Pd Cages	<b><i>Cryst. Growth &amp; Des.</i>, 2018, 18, 6956.</b>
161	A. Aderonke, <b>P. S. Mukherjee</b>	Coordination self-assembly of discrete Pt-Ru prismatic cages	<b><i>Biel. J. Org. Chem.</i> 2018, 14, 2242.</b>
160	A. Aderonke, A. Shettar, A. A. Bhat, P. Kondaiah, <b>P. S. Mukherjee</b>	Coordination self-assembly of Ru(II) architectures: Synthesis, characterization and cytotoxicity studies	<b><i>Dalton Trans.</i> 2018, 47, 8466</b>
159	A. Bhat, A. Devaraj, E. Zangrando, <b>P. S. Mukherjee</b>	A Discrete Self-Assembled Pd <sub>12</sub> Triangular Orthobicupola Cage and its Use for Intramolecular Cycloaddition	<b><i>Chem. Eur. J.</i> 2018, 23, 13938.</b>
158	P. Howlader, B. Mondal, P. P. Chowdhury, E. Zangrando, <b>P. S. Mukherjee</b>	Self-assembled molecular barrels as containers for transient merocyanine and reverse photochromism	<b><i>J. Am. Chem. Soc.</i> 2018, 140, 7952.</b>
157	R. Saha, A. K. Ghosh, R. Samajder, <b>P. S. Mukherjee</b>	Self-assembled molecular spheroids and their proton conduction	<b><i>Inorg. Chem.</i> 2018 57, 6540.</b>
156	I. Sinha and <b>P. S. Mukherjee</b>	Chemical Transformations in Confined Space of Coordination Architectures	<b><i>Inorg. Chem.</i> 2018, 57, 4205 (Invited Viewpoint article)</b>
155	I. A. Bhat, A. Devaraj, P. Howlader and <b>P. S. Mukherjee</b>	A chiral Pt <sub>12</sub> tetrahedral cage and its use in catalytic Michael addition reaction	<b><i>Chem. Commun.</i> 2018 54, 4814</b>
154	B. Roy, A. Devaraj, R. Saha, S. Jharimune, K. W. Chi, <b>P. S. Mukherjee</b>	Catalytic intramolecular cycloaddition reaction using a discrete molecular architecture	<b><i>Chem. Eur. J.</i> 2017, 23, 15704.</b>
153	P. Das, A. Kumar, P. Howlader, <b>P. S. Mukherjee</b>	A self-assembled trigonal molecular prismatic molecular vessel for catalytic dehydration	<b><i>Chem. Eur. J.</i> 2017, 23, 12565</b>

		reactions	
152	B. Mondal, A. K. Ghosh, P. S. Mukherjee	Reversible Multistimuli Switching of a Spiropyran Functionalized Organic Cage in Solid and Solution	<i>J. Org. Chem.</i> <b>2017</b> , <i>82</i> , 7783.
151	R. Saha, D. Samanta, A. J. Bhattacharyya, P. S. Mukherjee	Stepwise construction of self-assembled heterometallic cages showing high proton conductivity	<i>Chem. Eur. J.</i> <b>2017</b> , <i>23</i> , 8980.
150	I. A. Bhat, R. Jain, M. Siddiqui, D. Saini, P. S. Mukherjee	Water-soluble Pd <sub>8</sub> L <sub>4</sub> self-assembled molecular barrel as an aqueous carrier for hydrophobic curcumin	<i>Inorg. Chem.</i> <b>2017</b> , <i>56</i> , 5352.
149	B. Roy, R. Saha, A. K. Ghosh, Y. Patil, P. S. Mukherjee	Versatility of diimidazole building blocks in coordination self-assembly	<i>Inorg. Chem.</i> <b>2017</b> , <i>56</i> , 3579
148	K. Acharyya, A. Chowdhury, B. Mondal, S. Chakraborty, P. S. Mukherjee	Building block dependent morphology modulation of cage nanoparticles and detection of nitroaromatics	<i>Chem. Eur. J.</i> <b>2017</b> , <i>23</i> , 8482.
147	S. Dasgupta and P. S. Mukherjee	Carboxylatopillar[n]arenes: A versatile class of water-soluble synthetic receptors	<i>Org. Biomol. Chem.</i> <b>2017</b> , <i>15</i> , 762.
146	A. A. Ademeyo, A. Shettar, I. A. Bhat, P. Kondaiah, P. S. Mukherjee	Self-assembly of discrete Ru <sub>8</sub> molecular cages and their in-vitro anticancer study	<i>Inorg. Chem.</i> <b>2017</b> , <i>56</i> , 608
145	Chowdhury and P. S. Mukherjee	Vinylnanthracene based compounds as electron rich sensors for explosives recognition	<i>ChemPlusChem.</i> <b>2016</b> , <i>82</i> , 1360.
144	P. Howlader and P. S. Mukherjee	Face and edge directed self-assembly Pd <sub>12</sub> tetrahedral nanocages and their self-sorting	<i>Chem. Sci.</i> <b>2016</b> , <i>7</i> , 5893.
143	A. Chowdhury, P. Howlader, P. S. Mukherjee	Aggregation induced emission of Pt(II) metallacycles and their nitroaromatics detection	<i>Chem. Eur. J.</i> <b>2016</b> , <i>22</i> , 7486.
142	B. Roy, E. Zangrando, P. S. Mukherjee	Self-assembly of a redox active water soluble Pd <sub>6</sub> "Molecular Dice"	<i>Chem. Commun.</i> <b>2016</b> , 4489.
141	B. Gole, U. Sanyal, R. Banerjee, P. S. Mukherjee	High loading of Pd nanoparticles by interior functionalization of molecular pockets for heterogeneous	<i>Inorg. Chem.</i> <b>2016</b> , <i>55</i> , 2345.



		catalysis	
140	P. Howlader, P. Das, E. Zangrando, <b>P. S. Mukherjee</b>	Urea functionalized self-assembled molecular prism for heterogeneous catalysis in water	<b>J. Am. Chem. Soc. 2016</b> , 138, 1668.
139	D. Samanta, A. Chowdhury, <b>P. S. Mukherjee</b>	Covalent Post-Assembly Modification and Water-Adsorption of Pd <sub>3</sub> Self-Assembled Trinuclear Barrels	<b>Inorg. Chem. 2016</b> , 55, 1562.
138	B. Mondal, K. Acharyya, P. Howlader, <b>P. S. Mukherjee</b>	Molecular cage imregnated Pd nanoparticles: Efficient additive-free heterogeneous catalysts for cyanation of aryl halides	<b>J. Am. Chem. Soc. 2016</b> , 138, 1709.
137	A. Chowdhury, P. Howlader, <b>P. S. Mukherjee</b>	Crystallization induced emission enhancement of mechano-fluorochromic Pt(II) luminogen and its application for cysteine detection	<b>Chem. Eur. J. 2016</b> , 22, 1424.
136	P. Howlader, S. Mukherjee, R. Saha, <b>P. S. Mukherjee</b>	Conformation-selective coordination-driven self-assembly of a ditopic donor with Pd <sup>II</sup> acceptors	<b>Dalton Trans. 2015</b> , 20493.
135	A. Adeyemo, S. Shanmugaraju, D. Samanta, <b>P. S. Mukherjee</b>	Template-free coordination-driven self-assembly of discrete hexanuclear prismatic cages employing half-sandwich octahedral Ru <sup>II</sup> <sub>2</sub> acceptors and triimidazole donors	<b>Inorg. Chim. Acta. 2016</b> , 440, 62
134	S. Shanmugaraju, <b>P. S. Mukherjee</b>	$\pi$ -electron rich small molecule sensors for the recognition of nitroaromatics	<b>Chem. Commun. 2015</b> , 51, 16014
133	S. Das Gupta, A. Chowdhury, <b>P. S. Mukherjee</b>	Binding of carboxylatopillar [5]arene with alkyl and aryl ammonium salts in aqueous medium	<b>RSC. Adv. 2015</b> , 85791
132	B. Roy, S. Shanmugaraju, R. Saha, <b>P. S. Mukherjee</b>	Self-assembly of Metallamacrocycles Employing a New Benzil Based Organometallic Bisplatinum (II) Acceptor	<b>CHIMIA, 2015</b> , 69, 541 (Invited article)
131	B. Roy, A. K. Ghosh, S. Srivastava, P.	A Pd <sub>8</sub> Tetrafacial Molecular Barrel as Carrier for Water Insoluble Fluorophore	<b>J. Am. Chem. Soc. 2015</b> , 137, 11916

	D'Silva, P. S. Mukherjee		
130	I. A. Bhat, D. Samanta and P. S. Mukherjee	A Pd <sub>24</sub> Pregnant Molecular Nanoball: Self-Templated Stellation by Precise Mapping of Coordination Sites	<i>J. Am. Chem. Soc.</i> <b>2015</b> , <i>137</i> , 9497
129	A. Chowdhuri, P. S. Mukherjee	Electron rich triphenylamine based sensors for picric acid detection	<i>J. Org. Chem.</i> <b>2015</b> , <i>80</i> , 4064
128	B. Gole, U. Sanyal and P. S. Mukherjee	A smart approach to achieve exceptionally high loading of metal nanoparticles supported by functionalized extended frameworks for efficient catalysis	<i>Chem. Commun.</i> <b>2015</b> , <i>51</i> , 4872.
127	K. Acharyya, P. S. Mukherjee	Post-synthetic exterior decoration of an organic cage by copper(I) catalyzed A <sup>3</sup> -coupling and detection of nitroaromatics	<i>Chem. Eur. J.</i> <b>2015</b> , <i>21</i> , 6823
126	K. Acharyya, P. S. Mukherjee	Shape and size directed self-selection in organic cage formation	<i>Chem. Commun.</i> <b>2015</b> , <i>51</i> , 4241.
125	S. Shanmugaraju and P. S. Mukherjee	Self-assembling discrete molecules for sensing nitroaromatics	<i>Chem. Eur. J.</i> <b>2015</b> , <i>21</i> , 6656 (One of the most accessed articles in 2/2015)
124	D. Samanta and P. S. Mukherjee	Sunlight induced molecular covalent marriage of two triply interlocked Pd <sub>6</sub> cages and their facile thermal separation	<i>J. Am. Chem. Soc.</i> <b>2014</b> , <i>136</i> , 17006
123	K. Acharyya and P. S. Mukherjee	A fluorescent organic cage for picric acid detection	<i>Chem. Commun.</i> <b>2014</b> , <i>50</i> , 15788
122	S. Mukherjee and P. S. Mukherjee	Cu <sup>II</sup> -Azide polynuclear complexes of three different building clusters with the same Schiff-base co-ligand: synthesis, structures, magnetic behavior and DFT studies	<i>Cryst. Growth &amp; Design.</i> <b>2014</b> , <i>15</i> , 4177

121	B. Gole, A. K. Bar and <b>P. S. Mukherjee</b>	Multicomponent assembly of fluorescent tag functionalized ligands in coordination frameworks for explosive sensing	<b>Chem. Eur. J.</b> <b>2014</b> , <i>20</i> , 13321
120	D. Samanta and <b>P. S. Mukherjee</b>	Component selection in self-assembly of Pd(II) nanocages and cage-to-cage transformation	<b>Chem. Eur. J.</b> <b>2014</b> , <i>20</i> , 12483
119	B. Gole, W. Song, M. Lackinger and <b>P. S. Mukherjee</b>	Explosive sensing using electron rich supramolecular polymers: Role of intermolecular H-bonding in significant enhancement of sensitivity	<b>Chem. Eur. J.</b> <b>2014</b> , <i>20</i> , 13662
118	D. Samanta and <b>P. S. Mukherjee</b>	Self-assembled multicomponent Pd <sub>6</sub> aggregates showing low-humidity proton conduction	<b>Chem. Commun.</b> <b>2014</b> , <i>50</i> , 1595.
117	S. Mukherjee and <b>P. S. Mukherjee</b>	Template free multicomponent self-assembly of Pd/Pt molecular cages	<b>Chem. Commun.</b> <b>2014</b> , <i>20</i> , 2239.
116	D. Samanta and <b>P. S. Mukherjee</b>	Structural diversity in multinuclear Pd(II)-assemblies: Potential materials for low-humidity proton conduction	<b>Chem. Eur. J.</b> <b>2014</b> , <i>20</i> , 5649.
115	B. Gole, A. K. Bar and <b>P. S. Mukherjee</b>	Modification of Extended Open Frameworks with Fluorescent Tags for Sensing Explosives: Competition Between Size Selectivity and Electron Deficiency	<b>Chem. Eur. J.</b> <b>2014</b> , <i>20</i> , 2276.
114	K. Acharyya and <b>P. S. Mukherjee</b>	H-bond driven controlled molecular marriage in covalent cages	<b>Chem. Eur. J.</b> <b>2014</b> , <i>20</i> , 1646
113	S. Shanmugaraju, H. Jadhav and <b>P. S. Mukherjee</b>	Self-assembly of chloro-bridged ruthenium based rectangle: Synthesis, structural characterization and Sensing study	<b>Proc. Ind. Nat. Sc. Acad.</b> <b>2014</b> , <i>84</i> , 197 (invited article)
112	B. Gole, K. C. Mondal, and <b>P. S. Mukherjee</b>	Tuning nuclearity of clusters by positional change of functional group: Synthesis of polynuclear clusters, crystal structures and magnetic properties	<b>Inorg. Chim. Acta.</b> <b>2014</b> , <i>415</i> , 151.

111	D. Samanta, S. Shanmugaraju, A. Adeyemo, and <b>P. S. Mukherjee</b>	Self-assembly of discrete metallamacrocycles employing half sandwich octahedral diruthenium building units and imidazole based ligands	<i>J. Orgmet. Chem.</i> <b>2014</b> , 703. <b>(Invited article for a special issue)</b>
110	S. Mukherjee, D. Samanta and <b>P. S. Mukherjee</b>	A Series of 3d Metal Complexes with Isomeric Phenylenedi-acetates and 1,3,5-tris(1-imidazolyl) benzene ligand: Synthesis, Structures, Magnetic and Luminescence Properties	<i>Cryst. Growth &amp; Des.</i> <b>2013</b> , 14, 5335.
109	D. Samanta and <b>P. S. Mukherjee</b>	Pt <sup>II</sup> <sub>6</sub> Nanoscopic molecular cages with organometallic backbone as sensors for picric acid	<i>Dalton Trans.</i> <b>2013</b> , 42, 16784.
108	S. Mukherjee and <b>P. S. Mukherjee</b>	Role of dicarboxylate linkers in Mn(III)-salicylaldoximate based extended molecular magnets	<i>Chem. Eur. J.</i> <b>2013</b> , 19, 17064.
107	B. Roy, S. Mukherjee and <b>P. S. Mukherjee</b>	Sr <sup>2+</sup> and Cd <sup>2+</sup> Coordination polymers: Effect of different coordinating behaviour of a newly designed tricarboxylic acid	<i>Cryst. Engg. Comm.</i> <b>2013</b> , 9596.
106	S. Anbu, S. Kamalraj, C. Jayabhaskaran and <b>P. S. Mukherjee</b>	Naphthalene carbohydrazone based dizinc(II) chemosensor for pyrophosphate ion and its DNA assessment application in PCR products	<i>Inorg. Chem.</i> <b>2013</b> , 52, 8294.
105	S. Ghosh, S. Mukherjee, P. Seth, A. Ghosh, <b>P. S. Mukherjee</b>	Solvent-Templated Supramolecular Isomerism in 2D Coordination Polymer Constructed by Ni(II)2Coll Node and Dicyanamido Spacer: Drastic Change in Magnetic Behaviors	<i>Dalton Trans.</i> <b>2013</b> , 42, 13554.
104	B. Gole, A. K. Bar, A. Mallick, R. Banerjee and <b>P. S. Mukherjee</b>	Electron rich porous extended framework as heterogeneous catalyst for Diels-Alder reaction	<i>Chem. Commun.</i> <b>2013</b> , 49, 7439.
103	S. Mukherjee and <b>P. S. Mukherjee</b>	Versatility of azide in copper(II) magnetic polyclusters formation	<i>Acc. Chem. Res.</i> <b>2013</b> , 46, 2556.

102	S. Shanmugaraju, H. Jadhav, R. Karthik, and <b>P. S. Mukherjee</b>	Electron rich supramolecular polymers as fluorescent sensors for nitroaromatics	<b>RSC. Advances</b> <b>2013</b> , 3, 4940.
101	B. Roy, A. K. Bar, B. Gole and <b>P. S. Mukherjee</b>	Fluorescent tris-imidazolium sensors for picric acid explosive	<b>J. Org. Chem.</b> <b>2013</b> , 78, 1306.
100	K. Acharyya, S. Mukherjee and <b>P. S. Mukherjee</b>	Molecular marriage through partner preferences in covalent cage formation and cage-to-cage transformation	<b>J. Am. Chem. Soc.</b> <b>2013</b> , 135, 554.
99	D. Samanta and <b>P. S. Mukherjee</b>	Multicomponent self-sorting of a Pd <sub>7</sub> boat and its use in catalytic Knoevenagel condensation	<b>Chem. Commun.</b> <b>2013</b> , 4307. (Invited contribution for a special “Emerging investigators’ issue 2013”)
98	S. Mukherjee and <b>P. S. Mukherjee</b>	Cu(II)-Azide polynuclear complexes of Cu <sub>4</sub> building clusters with Schiff base co-ligands: synthesis, structures, magnetic and DFT studies	<b>Dalton Trans.</b> <b>2013</b> , 42, 4019.
97	S. Shanmugaraju, Arun K. Bar, D. Moon, <b>P. S. Mukherjee</b>	Coordination assembly of Pt <sub>4</sub> macrocycles with organometallic backbone for sensing of acyclic dicarboxylic acids	<b>Dalton Trans,</b> <b>2013</b> , 2998.
96	S. Shanmugaraju, H. Jadhav, Y. Patil, <b>P. S. Mukherjee</b>	Self-assembly of an octanuclear Pt(II) tetragonal prism from a new Pt <sub>4</sub> organometallic building unit and its nitroaromatic explosives sensing	<b>Inorg. Chem.</b> <b>2012</b> , 51, 13072.
95	S. Anbu, S. Shanmugaraju, R. Ravishankaran, A. Karanda, <b>P. S. Mukherjee</b>	Naphthylhydrazone based selective and sensitive chemosensors for Cu(II)	<b>Dalton Trans.</b> <b>2012</b> , 41, 13330.

94	S. Anbu, S. Shanmugaraju, Ravishankaran, Karanda, P. S. Mukherjee	A phenanthrene based highly selective fluorogenic and visual sensor for Cu(II) with nanomolar detection limit	<i>Inorg. Chem. Comm.</i> <b>2012</b> , 25, 26.
93	D. Samanta, S. Mukherjee, Y. Patil, P. S. Mukherjee	Self-assembled Pd <sub>6</sub> cage with triimidazole walls and use of its confined nanospace for catalytic Knoevenagel and Diels-Alder reactions in aqueous medium	<i>Chem. Eur. J.</i> <b>2012</b> , 18, 12322.
92	A. K. Bar, S. Mohapatra, P. S. Mukherjee	A series of Pd <sub>6</sub> trifacial molecular barrels with porphyrin walls	<i>Chem. Eur. J.</i> <b>2012</b> , 18, 9571.
91	S. Mukherjee, Y. Patil, P. S. Mukherjee	Novel heterometallic chains featuring Mn(III) and Na(I) ions in trigonal prismatic geometries alternately linked to Mn(IV) octahedral ions: Synthesis, structures and detail magnetic study	<i>Inorg. Chem.</i> <b>2012</b> , 51, 4888.
90	S. Shanmugaraju, V. Vajpayee, K. Chi, P. J. Stang, P. S. Mukherjee	Coordination driven self-assembly of 2D metallacycles from a new carbazole based 90° dipyriddy donor: Synthesis, characterization, and C <sub>60</sub> binding	<i>Inorg. Chem.</i> <b>2012</b> , 51, 4817.
89	S. Shanmugaraju, D. Samanta, P. S. Mukherjee	Self-assembly of Ru <sub>4</sub> and Ru <sub>8</sub> assemblies using Ru <sub>2</sub> organometallic precursors: Synthesis, characterization and properties	<i>Beilstein J. Org. Chem.</i> <b>2012</b> , 8, 313. (Invited article for a special issue)
88	D. Samanta, S. Shanmugaraju, Y. Patil, M. Nethaji, P. S. Mukherjee	Pillar height dependent unprecedented Pd <sub>8</sub> molecular swing and Pd <sub>6</sub> molecular boat via multicomponent and C <sub>60</sub> binding	<i>Chem. Commun.</i> <b>2012</b> , 48, 2298.

87	Arun K. Bar, S. Raghothama, <b>P. S. Mukherjee</b>	Three-component self-assembly of a series of interlocked Pd <sub>12</sub> prisms and their non-interlocked analogues	<b>Chem. Eur. J.</b> <b>2012</b> , <i>18</i> , 3199.
86	B. Gole, A. K. Bar, <b>P. S. Mukherjee</b>	Metal-organic framework for sensing of nitroaromatics	<b>Chem. Commun.</b> <b>2011</b> , <i>47</i> , 12137.
85	K. C. Mondal, B. Gole, Y. Song, D. Turner, <b>P. S. Mukherjee</b>	Two new chains of Ni <sub>2</sub> Na <sub>2</sub> heterometallic double half-cubane building units: synthesis, structures and magnetic behavior	<b>J. Chem. Sci.</b> <b>2011</b> , 807. (Invited article for a special issue to mark the International Year of Chemistry)
84	S. Shanmugamraju, S. A. Joshi, <b>P. S. Mukherjee</b>	Self-assembly using of a new organometallic clip: synthesis, characterization and sensing study	<b>Inorg. Chem.</b> <b>2011</b> , <i>50</i> , 11736.
83	S. Mukherjee, Y. P. Patil, <b>P. S. Mukherjee</b>	Cu-Azido polymers with various molar equivalents of blocking amines: Synthesis, structures and magnetic properties with DFT	<b>Dalton Trans.</b> <b>2012</b> , 54.
82	S. Shanmugamraju, S. A. Joshi, D. Samanta, <b>P. S. Mukherjee</b>	Coordination-driven self-assembly of 2D-metallamacrocycles using a shape-selective Pt <sup>II</sup> -organometallic 90° acceptor: design, synthesis and nitroaromatic sensing	<b>Dalton Trans.</b> <b>2011</b> , <i>40</i> , 12333. (Invited Article for a special issue on Molecular Self-Assembly)
81	R. Chakrabarty, <b>P. S. Mukherjee</b> , P. J. Stang	Supramolecular coordination: Self-assembly of finite 2D and 3D ensembles	<b>Chem. Rev.</b> <b>2011</b> , <i>111</i> , 6810.
80	B. Gole, S. Shanmugaraju, A. K. Bar, <b>P. S. Mukherjee</b>	Supramolecular polymer for explosives sensing: role of H-bonding in enhancement of sensitivity in solid state	<b>Chem. Commun.</b> <b>2011</b> , <i>47</i> , 10046.
79	S. Shanmugamraju, S. A. Joshi, <b>P. S. Mukherjee</b>	Fluorescence and visual sensing of nitroaromatic explosives using electron rich discrete fluorophores	<b>J. Mater. Chem.</b> <b>2011</b> , 9130.

78	S. Mukherjee, B. Gole, Y. Song, <b>P. S. Mukherjee</b>	Synthesis, structures and magnetic behavior of a series of Cu <sub>4</sub> building clusters and isolation of a new hemiaminal ether as metal complex	<i>Inorg. Chem.</i> <b>2011</b> , <i>50</i> , 3621.
77	V. Vajpayee, H. Kim, A. Mishra, <b>P. S. Mukherjee</b> , P. J. Stang,* M. H. Lee, K.W. Chi	Self-assembly of molecular squares using metal based acceptor: synthesis and application in sensing of nitroaromatics	<i>Dalton Trans.</i> <b>2011</b> , <i>40</i> , 3112.
76	A. K. Bar, R. Chakrabarty, <b>P. S. Mukherjee</b>	Coordination driven self-assembly of metallamacrocycles using ambidentate linkers and self-selection of single linkage isomer	<i>Inorg. Chim. Acta.</i> <b>2011</b> , <i>372</i> , 313. (Invited article for a special issue)
75	S. Shanmugamraju, A. K. Bar, S. Joshi, J. Patil, <b>P. S. Mukherjee</b>	Constructions of 2D-Metallamacrocycles Using Half-Sandwich Ru <sup>II</sup> Precursors: Synthesis, Molecular Structures and Self-Selection for a Single Linkage Isomer	<i>Organometallics</i> , <b>2011</b> , <i>30</i> , 1951.
74	A. K. Bar, S. Shanmugamraju, <b>P. S. Mukherjee</b>	Self-assembly of Pd(II) neutral and cationic rectangles: syntheses, characterizations and nitroaromatics sensing	<i>Dalton Trans.</i> <b>2011</b> , <i>40</i> , 2257. (Invited article for a themed issue: New Talent from Asia).
73	W. Ming, V. Vajpayee, S. Shanmugamraju, <b>P. S. Mukherjee</b> , K. Chi, P. J. Stang	Coordination driven self-assembly of M <sub>3</sub> L <sub>2</sub> trigonal cages from preorganized metalloligands containing octahedral metal centers and fluorescent detection of nitroaromatics	<i>Inorg. Chem.</i> <b>2011</b> , <i>50</i> , 1506.
72	S. Shanmugamraju, A. K. Bar, <b>P. S. Mukherjee</b>	Ru-O bond directed self-assembly of a Ru <sub>8</sub> incomplete prism: Synthesis, structure and shape selective molecular recognition study	<i>Inorg. Chem.</i> <b>2010</b> , <i>49</i> , 10235.
71	S. Mukherjee, <b>P. S. Mukherjee</b>	A series of Cu-azido polymers of Cu <sub>6</sub> building units and the role of chelating diamine in	<i>Inorg. Chem.</i> <b>2010</b> , <i>49</i> , 10658.



		controlling their dimensionality: Synthesis, structures and magnetic behavior	
70	O. Sengupta, B. Gole, P. S. Mukherjee	Synthesis, crystal structures and magnetic behavior of two 3D coordination polymers using N-(4/3 carboxyphenyl) iminodiacetic acids as bridging ligands	<i>Polyhedron</i> , <b>2010</b> , 29, 2945.
69	A. K. Bar, G. Mostafa, P. S. Mukherjee	A Pd <sub>6</sub> Molecular cage via multicomponent self-assembly incorporating both neutral and anionic linkers	<i>Inorg. Chem.</i> <b>2010</b> , 49, 7647.
68	O. Sengupta, and P. S. Mukherjee	Tetrazole bridged multiferroic coordination polymers: Synthesis, structures and magnetic behavior	<i>Inorg. Chem.</i> <b>2010</b> , 49, 8583.
67	S. Shanmugamraju, A. K. Bar, K-W. Chi P. S. Mukherjee	Coordination driven self-assembly of metallamacrocycles via a new organometallic building block with 90° geometry and optical sensing of anions	<i>Organometallics</i> , <b>2010</b> , 29, 2971.
66	B. Gole, S. Mukherjee, Y. Song, P. S. Mukherjee	Use of 2-pyrimidineamidooxime to generate polynuclear homo-/heteronuclear assemblies: synthesis, structure and magnetism	<i>Dalton Trans.</i> <b>2010</b> , 9766.
65	O. Sengupta, B. Gole P. S. Mukherjee	A series of transition metal-azido extended complexes with various anionic and neutral co-ligands	<i>Dalton Trans.</i> <b>2010</b> , 7451.
64	O. Sengupta, B. Gole, P. S. Mukherjee	Synthesis, crystal structures and magnetic behavior of two 3D coordination polymers using N(4/3carboxyphenyl)iminodiacetic acids as bridging ligands	<i>Inorg. Chim. Acta</i> , <b>2010</b> , 3093. (Invited article)
63	S. Mukherjee, B. Gole, R. Chakrabarty, P. S. Mukherjee	Cu(II)-azido polymers of Cu <sub>3</sub> and Cu <sub>6</sub> building units: synthesis, structures and magnetic exchange mechanism	<i>Inorg. Chem.</i> <b>2009</b> , 48, 11325.

62	O. Sengupta, Y. Song, P. Mukherjee, and S. Mukherjee	Co(II) and Cr(III) complexes of formate-formamide mixed ligands: synthesis, structures, single crystal-to-single crystal transformation and magnetic behavior	<i>Dalton Trans.</i> <b>2009</b> , 10343.
61	A. K. Bar, R. Chakrabarty, P. S. Mukherjee	Self-assembly of a Pd <sub>6</sub> Molecular Double-Square and a Cu <sub>3</sub> -TBP cage via a New Tripodal Flexible Ligand	<i>Inorg. Chem.</i> <b>2009</b> , 48, 10880.
60	O. Sengupta and P. S. Mukherjee	Three-component assembly of a metal-inorganic 3D coordination polymer of Co(II) containing bridging hydrazine: observation of spin-canting behavior	<i>Dalton Trans.</i> <b>2009</b> , 7599.
59	S. Ghosh, B. Gole, A. K. Bar, and P. S. Mukherjee	Design and synthesis of fluorescent molecular prism via Pt <sub>3</sub> organometallic acceptors and a Pt <sub>2</sub> clip	<i>Organometallics</i> , <b>2009</b> , 28, 4288.
58	A. K. Bar, B. Gole, S. Ghosh, and P. S. Mukherjee	Self-assembly of a Pd(II) neutral molecular rectangle via a new organometallic Pd <sub>2</sub> molecular clip	<i>Dalton Trans.</i> <b>2009</b> , 6701.
57	K. C. Mondal, O. Sengupta, and P. S. Mukherjee	A rare homoacetylate bridged Cu <sub>4</sub> half-cubane antiferromagnetic cluster	<i>Inorg. Chem. Comm.</i> <b>2009</b> , 12, 682.
56	A.K. Bar, R. Chakrabarty, K-W. Chi, S. R. Batten and P. S. Mukherjee	Synthesis and characterization of heterometallic molecular triangles using ambidentate linker: Self-selection of a single linkage isomer	<i>Dalton Trans.</i> <b>2009</b> , 3222.
55	S. Ghosh and P. S. Mukherjee	Self-Assembled Pd(II) Metallo-cycles Using an Ambidentate Donor and the Study of Square-Triangle Equilibria	<i>Inorg. Chem.</i> <b>2009</b> , 48, 2605.

54	S. Ghosh, R. Chakrabarty, and P. S. Mukherjee	Design, Synthesis and Characterizations of a Series of Pt <sub>4</sub> Macrocycles and Fluorescent Sensing of Cu <sup>2+</sup> /Ni <sup>2+</sup> Through Metal Coordination	<i>Inorg. Chem.</i> 2009, 48, 549.
53	A. K. Bar, R. Chakrabarty, G. Mostafa and P. S. Mukherjee	Self-assembly of a nanoscopic Fe <sub>12</sub> Pt <sub>12</sub> open hexagonal barrel containing six porphyrin walls	<i>Angew. Chem. Int. Ed.</i> 2008, 47, 8455. work highlighted in a Nature publishing group journal " <u>Asia Materials</u> " by the Editor of Nature Chemistry)
52	K. C. Mondal, O. Sengupta, P. Dutta, S. K. Nayak and P. S. Mukherjee	3d-4f heterometallic hybrid 3D polymers: synthesis, structure and magnetism	<i>Inorg. Chim. Acta.</i> 2009, 392, 1913.
51	A. K. Bar, R. Chakrabarty, and P. S. Mukherjee	Unusual hydrogenation of fumarate anion followed by metal-carbon bond formation: Synthesis and characterizations of two metallochelates	<i>Organometallics</i> , 2008, 27, 3806.
50	K. C. Mondal and P. S. Mukherjee	Three new Cu-azido polymers and their systematic inter conversion: Role of the amount of the blocking amine on the structural diversity and magnetic behavior	<i>Inorg. Chem.</i> 2008, 47, 4215.
49	S. Ghosh and P. S. Mukherjee	Self-assembly of a trigonal trism via a new organometallic Pt <sub>3</sub> linker and its fluorescent detection of nitroaromatics	<i>Organometallics</i> , 2008, 27, 316. [(a) This work was highlighted in a daily newspaper <u>The Telegraph</u> on 20 <sup>th</sup> Oct. 2008; (b) This paper was selected as one of the most accessed articles in the first quarter of 2008]
48	K. C. Mondal, O. Sengupta, M. Nethaji, and P. S. Mukherjee	Assembling metals with pyridylcarboxylates to for polynuclear extended materials	<i>Dalton Trans.</i> 2008, 767.

47	S. Ghosh, R. Chakrabarty, and <b>P. S. Mukherjee</b>	Self-assembly of four new Pd(II) molecular boats using imidazole donor linker	<i>Dalton Trans.</i> <b>2008</b> , 1850.
46	S. Ghosh and <b>P. S. Mukherjee</b>	Self-assembly of a series of metallamacrocycles via a rigid phosphorus donor linker	<i>Organometallics</i> , <b>2007</b> , 26, 3362.
45	S. Ghosh, S. R. Batten and <b>P. S. Mukherjee</b>	Self-assembly of a nanoscopic Pt(II) double square	<i>Organometallics</i> , <b>2007</b> , 26, 3252.
44	K. C. Mondal, Y. Song, and <b>P. S. Mukherjee</b>	A Mn <sub>9</sub> mixed valent single molecule magnet	<i>Inorg. Chem.</i> <b>2007</b> , 46, 9736.
43	K. C. Mondal and <b>P. S. Mukherjee</b>	Synthesis of a Mn <sub>6</sub> cluster and its self-assembly of an azido bridged chain	<i>Inorg. Chem.</i> <b>2007</b> , 46, 5625.
42	S. Ghosh and <b>P. S. Mukherjee</b>	Self-assembly of metal-organic hybrid rectangles	<i>Dalton Trans.</i> <b>2007</b> , 2542.
41	S. Ghosh, S. R. Batten and <b>P. S. Mukherjee</b>	Design and synthesis of a heterometallic triangle and self-selection for a single isomer	<i>Dalton Trans.</i> <b>2007</b> , 1869. (Featured on the cover of the issue and was selected as one of the top-ten accessed papers).
40	<b>P. S. Mukherjee</b> , N. Lopez, F. C. Lee, J. C. Noveron	Single-crystal to single-crystals phase transition of bis(N-phenylisonicotinamide)silver(I) nitrate reveal cooperativity in porous materials	<i>Chem. Commun.</i> <b>2007</b> , 1433.
39	K. C. Mondal and <b>P. S. Mukherjee</b>	Mn(II) azido chain using a new amide ligand: synthesis, crystal structure and variable temperature magnetic behavior	<i>Synthesis and reactivity of Inorganic, Metal-Organic, and Nano-metal Chemistry</i> , <b>2007</b> , 39,735 (Invited article)
38	S. Ghosh and <b>P. S. Mukherjee</b>	Self-assembly of molecular nanoballs: Design, synthesis and characterization	<i>J. Org. Chem.</i> <b>2006</b> , 71, 8412.

37	S. Ghosh and <b>P. S. Mukherjee</b>	The first Pt(II) TBP cage with ester functionality	<b><i>Tetrahedron Lett.</i></b> <b>2006</b> , 47, 9297.
36	O. Sengupta, R. Chakrabarty and <b>P. S. Mukherjee</b>	Dual role of azido in the construction of a 3D Mn(II) polymer using bridging 5-pyrimidine carboxylate	<b><i>Dalton Trans.</i></b> <b>2007</b> , 4514.
35	Sanjit Konar, <b>P. S. Mukherjee</b> , Ennio Zangrando, Talal Mallah, N. Ray Chaudhuri	Ni(II) dicyanamide 2D extended networks: synthesis, crystal structure and low temperature magnetic studies	<b><i>Inorg. Chim. Acta.</i></b> <b>2005</b> , 358, 957.
34	Sanjit Konar, <b>P. S. Mukherjee</b> , E. Zangrando, T. Mallah, N. Ray Chaudhuri	A porous 2D copper (II) polymer of trimesic acid	<b><i>Inorg. Chim. Acta.</i></b> <b>2005</b> , 358, 29.
33	<b>P. S. Mukherjee</b> , Neeladri Das, and Peter J. Stang	Self-assembly of nanoscopic 3D cages using a flexible tripodal amide containing linker	<b><i>J. Org. Chem.</i></b> <b>2004</b> , 69, 3526.
32	<b>P. S. Mukherjee</b> , Neeladri Das, Y. Kryeschenko, Atta M. Arif, Peter J. Stang	Design, Synthesis and Crystallographic Studies of Neutral Platinum Based macrocycles formed via self-assembly	<b><i>J. Am. Chem. Soc.</i></b> <b>2004</b> , 126, 2464.
31	<b>P. S. Mukherjee</b> , D. Ghoshal, E. Zangrando, T. Mallah and N. Ray Chaudhuri	Use of two different dicarboxylates towards the design of two new 3D and 2D networks	<b><i>Eur. J. Inorg. Chem.</i></b> <b>2004</b> , 4675.
30	<b>P. S. Mukherjee</b> , Kil Sik Min, Atta M. Arif and Peter J. Stang*	Synthesis and crystal structure of two discrete, neutral assemblies of manganese and zinc using a rigid organic clip	<b><i>Inorg. Chem.</i></b> <b>2004</b> , 43, 6345.

29	<b>P. S. Mukherjee</b> , Sanjit Konar, E. Zangrando, F. Lloret, N. Ray Chaudhuri	A single dicyanamide bridged Cu(II) dimer: synthesis, crystal structure and magnetic behavior	<i>Indian J. Chemistry</i> <b>2004</b> , 43A, 760.
28	Sudipta Dalai, <b>P. S. Mukherjee</b> , Ennio Zangrando, Joan Ribas, N. Ray Chaudhuri	Two new 3D architectures of Cu(II): synthesis, crystal structures and variable temperature magnetic studies	<i>Indian J. Chemistry</i> (Special issue), <b>2003</b> , 42A, 2250.
27	N. Das, <b>P. S. Mukherjee</b> , Atta M. Arif, Peter J. Stang	Facile self-assembly of neutral 2D Pt(II) macrocycles of a new class of rigid oxygen donor linkers	<i>J. Am. Chem. Soc.</i> <b>2003</b> , 125, 13950.
26	S. Konar, <b>P. S. Mukherjee</b> , M.G.B. Drew, J. Ribas, N. Ray Chaudhuri	Synthesis of two new 1D and 3D networks of Cu(II) and Co(II) using malonate and eurotropine: crystal structures and magnetic studies	<i>Inorg. Chem.</i> <b>2003</b> , 42, 2545.
25	<b>P. S. Mukherjee</b> , S. Konar, E. Zangrando, T. Mallah, J Ribas and N. Ray Chaudhuri	Structural analyses and magnetic properties of two novel 3D networks of nickel(II) and manganese(II) using carboxylato as bridging ligand	<i>Inorg. Chem.</i> , <b>2003</b> , 42, 2695.
24	S. Dalai, <b>P. S. Mukherjee</b> , S. Geib, N. Ray Chaudhuri	Synthesis and crystal structure of two extensively hydrogen bonded network of Cu(II)	<i>Indian J. Chem.</i> , <b>2002</b> , 41A, 1363.
23	<b>P. S. Mukherjee</b> , S. dalai, E. Zangrando, F. Lloret, N. Ray Chaudhuri	A novel class of interpenetrated 3-D network of dimeric cupric-tetracarboxylate	<i>Dalton Trans</i> , <b>2002</b> , 822. (Selected as one of the top-ten accessed papers).
22	<b>P. S. Mukherjee</b> , S. Konar, E. Zangrando, J. Ribas, N. Ray Chaudhuri	Two new bi-bridging 1D metal-organic chains of Cu(II)	<i>Dalton Trans</i> . <b>2002</b> , 3471.

21	S. Konar, <b>P. S. Mukherjee</b> , E. Zangrando, F. Lloret, and N. Ray Chaudhuri	A 3-D homometallic molecular ferrimagnet	<i>Angew. Chem. Int. Ed.</i> <b>2002</b> , 41, 1561
20	<b>P. S. Mukherjee</b> , S. Dalai, T. Mallah, N. Ray Chaudhuri	A doubly end-to-end azido 1D ferromagnetic chain	<i>Inorg.Chem. Commun.</i> <b>2002</b> , 5, 472.
19	S. Dalai, <b>P. S. Mukherjee</b> , E. Zangrando, N. Ray Chaudhuri	Two 1D and 3D coordination polymer of Mn(II) with dicyanamide bridge: synthesis, crystal structure and magnetic behaviour	<i>New J. Chem.</i> <b>2002</b> , 26, 1185.
18	<b>P. S. Mukherjee</b> , T. K. Maji, R. Vicente, J. Ribas, N. Ray Chaudhuri	Three novel end-to-end single azido bridged 1D copper(II) chains: Syntheses, crystal structure determination and magnetic behavior	<i>Eur. J. Inorg. Chem.</i> <b>2002</b> , 943.
17	S. Dalai, <b>P. S. Mukherjee</b> , G. Rogez, T. Mallah, M. G. B. Drew N. Ray Chaudhuri	Synthesis, crystal structures and magnetic properties of two new 1D copper(II) coordination polymers containing fumarate(-2) and chelating N, N-donor	<i>Eur. J. Inorg. Chem.</i> <b>2002</b> , 3292.
16	S. Dalai, <b>P. S. Mukherjee</b> , M. G. B. Drew, T. H. Lu, N. Ray Chaudhuri	Azido bridged two new ferromagnetic Cu(II) chains: synthesis, structure and variable temperature magnetic behaviour	<i>Inorg. Chim. Acta</i> , <b>2002</b> , 335, 85.
15	<b>P. S. Mukherjee</b> , T. K. Maji, G. Mostafa, J. Ribas, M. S. El Fallah, N. Ray Chaudhuri	Observation of dominant ferromagnetic interaction in fumarate bridged 1-D polymer of Cu(II)	<i>Inorg. Chem.</i> <b>2001</b> , 40, 928.
14	T. K. Maji, <b>P. S. Mukherjee</b> , G. Mostafa, T. Mallah, J.C. Boquera, N. Ray Chaudhuri	First observation of ferromagnetic interaction through end-to-end azido bridging pathway in 1D copper(II) system	<i>Chem. Commun.</i> <b>2001</b> , 1012.

13	T. K. Maji, <b>P. S. Mukherjee</b> , G. Mostafa, E. Zangrando, N. Ray Chaudhuri	1D porous framework of copper(II) using novel coordination mode of Ni(CN) <sub>4</sub> <sup>2-</sup>	<b>Chem. Commun.</b> <b>2001</b> , 1368.
12	<b>P. S. Mukherjee</b> , S. Dalai, G. Mostafa, E. Zangrando, T. H. Lu, G. Rozeg, N. Ray Chaudhuri	A three-component fully interlocked 3-D network: crystal structure and magnetic behaviour	<b>Chem. Commun.</b> <b>2001</b> , 1346.
11	<b>P. S. Mukherjee</b> , S. Dalai, E. Zangrando, F. Lloret, N. Ray Chaudhuri	The first metamagnetic 1-D molecular material with nickel(II) and end-to-end azido bridge	<b>Chem. Commun.</b> <b>2001</b> , 1444.
10	T. K. Maji, <b>P. S. Mukherjee</b> , S. Koner, G. Mostafa, J. P. Tuchagues, N. Ray Chaudhuri	1 D coordination polymer of copper(II) containing m-1,1,3 azido ligand with alternating ferro-antiferromagnetic interaction	<b>Inorg. Chim. Acta</b> , <b>2001</b> , 314,111.
09	<b>P. S. Mukherjee</b> , T. K. Maji, T. Mallah, E. Zangrando, L. Randaccio, N. Ray Chaudhuri	A novel bimetallic alternating chain: synthesis, crystal structure and magnetic study	<b>Inorg. Chim. Acta</b> , <b>2001</b> , 315, 249.
08	<b>P. S. Mukherjee</b> , T. K. Maji, G. Mostafa, W. Hibbs, N. Ray Chaudhuri	A 1D coordination polymer of copper(II) with three different bridging anions: synthesis, crystal structure, and magnetic behaviour	<b>New J. Chem.</b> <b>2001</b> , 25, 760.
07	<b>P. S. Mukherjee</b> , S. Dalai, G. Mostafa, T. H. Lu, E. Rentschler, N. Ray Chaudhuri	Synthesis, crystal structure, and magnetic properties of two new Cu(II) complexes with end-to-end azido bridging	<b>New J. Chem.</b> <b>2001</b> , 25, 1203.
06	S. Dalai, <b>P. S. Mukherjee</b> , G. Rogez, T. Mallah, M. G. B. Drew N Ray Chaudhuri	Synthesis, Crystal Structures and Magnetic Properties of two New 1D Copper(II) Coordination Polymers Containing Fumarate(- 2) and Chelating N,N $\phi$ -Donor as	<b>Eur. J. Inorg. Chem.</b> <b>2002</b> , 3292.



		Ligands	
05	T. K. Maji, G. Mostafa, <b>P. S. Mukherjee</b> , A. Mondal, A. J. Welch, K. Okamoto, N. Ray Chaudhuri	Synthesis of triamine complexes of nickel(II) selenocyanate and their thermally induced dimerization	<b><i>Polyhedron</i></b> , <b>2000</b> , <i>19</i> , 1903.
04	J. Cheng, F. L. Liao, T. H. Lu, <b>P. S. Mukherjee</b> , T. K. Maji, N. Ray Chaudhuri	An oxalato-bridged copper(II) complex	<b><i>Acta Cryst.</i></b> , <b>2001</b> , <i>E57</i> , m263.
03	T. K. Maji, I. R. Laskar, G. Mostafa, A. J. Welch, <b>P. S. Mukherjee</b> , N. Ray Chaudhuri	An 1D thiocyanato bridge nickel (II) system: Crystal structure and magnetism	<b><i>Polyhedron</i></b> <b>2001</b> , <i>20</i> , 651.
02	<b>P. S. Mukherjee</b> , T. K. Maji, S. Koner, G. Rosair, N. Ray Chaudhuri	Synthesis and magnetic study of three new $\mu$ -oxalato dinuclear copper(II) complexes	<b><i>Indian J. Chem.</i></b> , <b>40A</b> , <b>2001</b> , 451.
01	<b>P. S. Mukherjee</b> , T. Maji, G. Mostafa, T. Mallah, N. R. Chaudhuri	The first alternating single end-on and single end-to-end azido bridged Cu(II) chain	<b><i>Inorg. Chem.</i></b> , <b>2000</b> , <i>39</i> , 5147.

## Editorial

“Special Issue: Self-assembled Molecules/Materials”

P. S Mukherjee

CHEMICAL RECORD Volume: 21 Issue: 3 Special Issue: SI Pages: 441-442

## Book Chapters

- 1) Book Chapter on “Pd/Pt-ethynyl bond containing molecular architectures as sensors for nitroaromatics”

***Molecular Self-Assembly: Advances and Applications***

Pan Stanford Publishing Pte. Ltd. 2011, Chapter-9

S. Pramanik, S. Shanmugaraju, **P. S. Mukherjee**

- 2) Applications of Self-Assembled Metallomacrocycles II: Catalysis and Sensing

L. Xu, Yi-Xiong Hu, **P. S. Mukherjee**

**Self-Assembled Metallacycles**

RSC, 2019, Chapter-10.