

Complete List of Publications

Citation Data: Total Publications: 232; Total Citations: 17,719; Average Citations per paper: 68.39.

h-index: 70

Summary of publications:

- A) American Chemical Society's journals: Total publications: 97 (Inorg.Chem.-50, JOC-5, JACS-21, JACS-Au: 3, Orgmet-7, Chem. Rev. 2, Acc. Chem. Res. 1, Cryst Growth & Des. 3, ACS Omega 1, ACS Catalysis 2, Chem. Mater. 1, ACS-AMI. 1)
- B) Royal Society's journals: Total publications: 65 (Chem. Sci. 7, ChemComm: 25, 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: 40 (Angew Chem.: 11, Chem. Eur. J: 23, 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

Google Scholar Citation Link:

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

	Authors	Title	Journal
232	R. Banerjee, P. Bhandari, N. Hick, P. S. Mukherjee	Guest-Shape Directed Structural Switching Between Two Isomers of a Pd ₆ Host and its Structural Adaptability for Selective Photodimerization	<i>J. Am. Chem. Soc.</i> 2025,147, accepted.
231	S. Ali, D. Chakraborty,	Host-guest interaction-induced	<i>Chem. Sci.</i> 2025, 16, under minor revision.

	P.S. Mukherjee	selective oxidation of substrate inside aqueous Pd ₆ L ₄ cage	
230	R. Banerjee, M. Ray, M. Aggarwal, S. Maji, D. Adhikari, P. S. Mukherjee	Transformation of a Pd ₆ trifacial barrel to a Pd ₈ tetrafacial barrel by C ₇₀ as guest and oxidative photolysis of alkenes using the C ₇₀ encapsulated barrel under red light	Chem. Sci. 2025 , <i>16</i> , https://doi.org/10.1039/D5SC01015B
229	V. A. Rinshad, P.K. Mitra, S. Pradhan, Y.A. Lakshmana, P.S. Mukherjee	Modulation of Photoluminescence of BODIHY Dye Using Water-Soluble Coordination Cages with Different Shapes	Angew Chem. Int. Ed. 2025 , <i>64</i> , e202505772.
228	M. Agarwal, R. Banerjee, N. Hickey, P. S. Mukherjee	Formation of a Pd ₁₆ Molecular Basket Architecture of Reduced Symmetry and Angular Deviation in a Fluorenone Scaffold to Govern the Host-Guest Chemistry of Pd ₆ Trifacial Tubes	JACS-Au , 2025 , <i>5</i> , DOI: 10.1021/jacsau.5c00390
227	V. A. Rinshad, S. Ali, N. Hickey, P. S. Mukherjee	Chemo-Selective Transformation of Anthracene Derivative within Water-Soluble Coordination Cages Having Different Cavities	Inorg. Chem. 2025 , <i>64</i> , 5619.
226	S. Ali, V. A. Rinshad, P. S. Mukherjee	Solvent and concentration induced topological transformation of a Ru(II) based trigonal prism to a triply interlocked cage	Inorg. Chem. 2024 , <i>63</i> , 21423-21429.
225	M. Bashri, S. Kumar, P. Bhandari, S.	Hydrazone-Linked Covalent Organic Framework Catalyst	ACS Appl. Mater. & Interfaces 2025 , <i>17</i> , 17804.

	Stephen, M. O'Connor, S. Gaber, T. Skorjanc, M. Finšgar, G. Luckachan, B. Belec, E. Alhseinat, P. S. Mukherjee , D. Shetty, Dinesh	via Efficient Pd-recovery from Wastewater	
224	M. Aggarwal, R. Banerjee, N. Hickey, P. S. Mukherjee	Stimuli-Mediated Structural Interchange Between Pd ₆ and Pd ₁₂ Architectures: Selective Recognition of E-Stilbene by the Pd ₆ Architecture and its Photoprotection	Angew Chem. Int. Ed. 2024 , 63, e202411513.
223	V. A. Rinshad, M. Aggarwal, J. Clegg, P. S. Mukherjee	Harnessing Pd ₄ Water-Soluble Molecular Capsule as a Size-Selective Catalyst for Targeted Oxidation of Alkyl Aromatics	JACS-Au , 2024 , 4, 3238-3247.
222	D. Chakraborty, N. Kaur, J. Sahoo, N. Hickey, M. De, P. S. Mukherjee	Host-Guest Interactions Induced Enhancement of Oxidase-like Activity of Benzothiadiazole Dye Inside an Aqueous Pd ₈ L ₄ Barrel	J. Am. Chem. Soc. 2024 , 146, 24901-24910.
221	D. Prajapati, J. K. Clegg, P. S. Mukherjee	Formation of low-symmetric Pd ₈ molecular barrel employing a hetero donor tetradentate ligand and its use in binding and extraction of C ₇₀	Chem. Sci. 2024 , 15, 12502-12510.
220	P. K. Maitra, S. Bhattacharyya, N. Hickey, P. S. Mukherjee	Self-assembly of a water-soluble Pd ₁₆ square bicupola architecture and its use in aerobic oxidation in aqueous media	J. Am. Chem. Soc. 2024 , 146, 15301-15308.
219	S. Dey, M. Aggarwal, D. Chakraborty, P. S.	Uncovering tetrazoles as building blocks for constructing	Chem. Commun. 2024 , 60, 5573-5585.

	Mukherjee	discrete and polymeric assemblies	
218	D. Chakraborty, S. Pradhan, J. Clegg, P. S. Mukherjee	Mechanically Interlocked Water-Soluble Pd ₆ Host for the Selective Separation of Coal Tar Based Planar Aromatic Molecules	<i>Inorg. Chem.</i> 2024 , 63, 14924-14932. Highlighted on the front cover of the issue.
217	D. Bokotial, K. Acharyya, A. Chowdhury, P.S. Mukherjee	Pt(II)/Pd(II)-based Metallosupramolecular Architectures as Light Harvesting Systems and their Applications	<i>Angew Chem. Int. Ed.</i> 2024 , 63, e202401136.
216	D. Prajapati, P. Bhandari, E. Zangrando, P. S. Mukherjee	A water-soluble Pd ₄ molecular tweezer for selective encapsulation of isomeric quinones and their recyclable extraction.	<i>Chem. Sci.</i> 2024 , 15, 3616-3624.
215	P. K. Maitra, S. Bhattacharya, P. P. Chaudhuri, P. S. Mukherjee	Coordination-induced Emissive Poly-NHC Derived Metallacage for Pesticide Detection	<i>Inorg. Chem.</i> 2024 , 63, 2569-2576.
214	P. Bhandari, S. Ahmed, R. Saha, P. S. Mukherjee	Enhancing Fluorescence in Both Solution and Solid States Induced by Imine Cage Formation	<i>Chem. Eur. J.</i> 2024 , 30, e202303101.
213	A. Sainaba, R. Saha, M. Venkateswarulu, E. Zangrando, P. S. Mukherjee	A Pt(II) Tetrafacial Barrel with Aggregation Induced Emission for Sensing	<i>Inorg. Chem.</i> 2024 , 63, 508-517.
212	A. Sainaba, M. Venkateswarulu, P. Bhandari, J. Clegg, P. S. Mukherjee	Self-Assembly of an [M ₈ L ₂₄] ¹⁶⁺ Intertwined Cube and a Giant [M ₁₂ L ₁₆] ²⁴⁺ Orthobicupola	<i>Angew Chem. Int. Ed.</i> 2024 , 63, e202315572.
211	D. Chakraborty, S. Ali, P. Chowdhury, N. Hickey, P. S. Mukherjee	Cavity Shape Dependent Divergent Chemical Reaction Inside Pd ₆ L ₄ Cages	<i>J. Am. Chem. Soc.</i> 2023 , 145, 26973-26982.
210	P. Chaudhuri, P. K. Maitra, S.	Rigidification-Induced Emissive Metal–Carbene Complexes for	<i>Inorg. Chem.</i> 2023 , 62, 11037-11043.

	Bhattacharyya, P. S. Mukherjee	Artificial Light Harvesting	
209	R. Banerjee, S. Bhattacharyya, P. S. Mukherjee	Synthesis of an Adaptable Molecular Barrel and Guest Mediated Stabilization of its Metastable Higher Homologue	<i>JACS-Au</i> , 2023 , 3, 1998-2006.
208	D. Prajapati, P. Bhandari, H. Neil, P. S. Mukherjee	A Water-Soluble Pd ₆ L ₃ Molecular Bowl for Separation of Phenanthrene from a Mixture of Isomeric Aromatic Hydrocarbons	<i>Inorg. Chem.</i> 2023 , 62, 9230-9239.
207	R. Banerjee, D. Chakraborty, W.T. Jhang, Y. T. Chan, P. S Mukherjee	Structural Switching of a Distorted Trigonal Metal-Organic Cage to a Tetragonal Cage and Singlet Oxygen Mediated Oxidations	<i>Angew Chem. Int. Ed.</i> 2023 , 61, e202305338.
206	P. Bhandari and P. S. Mukherjee	Covalent Organic Cages in Catalysis	<i>ACS Catalysis</i> . 2023 , 13, 6126-6143.
205	R. Banerjee, D. Chakraborty, P. S. Mukherjee	Molecular Barrels as Potential Hosts: From Synthesis to Applications	<i>J. Am. Chem. Soc.</i> 2023 , 145, 7692.
204	S. Ahmed, A. Kumar, P. S. Mukherjee	Benzothiadiazole-based Pt(II) coordination polymer as efficient heterogeneous photocatalyst for visible-light-driven aerobic oxidative coupling of amines	<i>Chem. Commun.</i> 2023 , 59, 3229 -3232.
203	V. Rinshad, J. Sahoo, M. Venkateswarulu, N. Hickey, M. De, P. S. Mukherjee	Solvent Induced Conversion of a Self-Assembled Gyrobifastigium to a Barrel and Encapsulation of Zinc-Phthalocyanine within the Barrel for Enhanced Photodynamic Therapy	<i>Angew Chem. Int. Ed.</i> 2023 , 62, e202218226.
202	R. Saha, J. Sahoo, M. Venkateswarulu, M. De, P. S.	Shifting Triangle-Square Equilibrium of Self-Assembled Metallocycles by Guest Binding with	<i>Inorg. Chem.</i> 2022 , 61, 17289-17298.

	Mukherjee	Enhanced Photosensitization	
201	D. Chakraborty, R. Saha, J. Clegg, P. S. Mukherjee	Selective separation of planar and non-planar hydrocarbons using an aqueous Pd ₆ interlocked cage	Chem. Sci. 2022, 13, 11764-11771.
200	S. Ahmed, A. Kumar, P. S. Mukherjee	Supramolecular Coordination Polymer Towards Artificial Light-Harvesting Systems with Sequential Energy Transfer	Chem. Mater. 2022, 34, 9656-9665.
199	S. Ahmed, P. Howlader, S. Bhattacharyya, S. Mondal, E. Zangrando, P. S. Mukherjee	Fluorescence enhancement via structural rigidification inside a self-assembled Pd ₄ molecular vessel	Chem. Commun. 2022, 58, 11390-11393.
198	P. Bhandari, P. S. Mukherjee	Post-Synthesis Conversion of an Unstable Imine Cage to a Stable Cage with Amide Moieties towards Selective Receptor for Fluoride	Chem. Eur. J. 2022, 28, e202201901.
197	P. Howlader, S. Ahmad, S. Mondal, E. Zangrando, P. S. Mukherjee	Conformation-Selective Self-Assembly of Pd ₆ Trifacial Molecular Barrels Using a Tetra-pyridyl Ligand	Inorg. Chem. 2022, 61, 8121.
196	B. S. Arppitha, M. Venkataswarulu, P. Bhandari, K. S. A. Arachchige, J. Clegg, P. S. Mukherjee	An Adaptable Water-Soluble Molecular Boat for Selective Separation of Phenanthrene from Isomeric Anthracene	J. Am. Chem. Soc. 2022, 144, 7504.
195	D. Chakraborty, P. S. Mukherjee	Recent Trends in Organic Cage Synthesis: Push Towards Water-Soluble Organic Cages	Chem. Commun. 2022, 58, 5558-5573. (Invited Contribution)
194	R. Saha, B. Mondal, P. S. Mukherjee	Molecular Cavity for Catalysis and Formation of Metal Nanoparticles for Use in Catalysis	Chem. Rev. 2022, 122, 12244-12307. (Invited Contribution)

193	K. Acharyya, S. Lu, Y. Sun, P. S. Mukherjee, P. J. Stang	Emissive Platinum(II) Macrocycles as Tunable Cascade Energy Transfer Scaffolds	Angew Chem. Int. Ed. 2022 , 61, e202200715.
192	A. Kumar, R. E. Banerjee, P. S. Mukherjee	Solvent and Counter-anion Assisted Dynamic Self-Assembly of Molecular Triangles and Tetrahedral Cages	Inorg. Chem. 2022 , 61, 2368-2377.
191	P. Bhandari, B. P. Mondal, P. S. Mukherjee	Face-Directed Tetrahedral Organic Cage Anchored Palladium Nanoparticles for Selective Homocoupling Reaction	Eur. J. Inorg. Chem. 2022 , e202100986.
190	P. P. Choudhury, M. Venkateswaralu, S. Bhattacharyya, P. S. Mukherjee	Silver(I) – Carbene Bond Directed Rigidification Induced Emissive Metallacage for Picric Acid Detection	Inorg. Chem. 2022 , 61, 713-722
189	P. Bhandari, R. S. Modak, E. Bhattacharya, P. S. Mukherjee	Self-assembly of Octanuclear Pt/Pd-Coordination Barrels and Uncommon Structural Isomerization of a Photochromic Guest	JACS-Au , 2021 1, 2242-2246.
188	P. Choudhury, M. Maity, S. Bhattacharyya, P. S. Mukherjee	A Self-Assembled Pd(II) Barrel for Binding of Fullerenes and Photosensitization Ability of the Fullerene Encapsulated Barrel	Angew Chem. Int. Ed. 2021 , 60, 14109.
187	D. Chakraborty, R. P. Modak, P. S. Mukherjee	<i>De novo</i> approach for the synthesis of water-soluble interlocked and non-interlocked organic cages	Chem. Commun. 2021 , 57, 3995-3997.
186	A. Kumar, R. Saha, P. S. Mukherjee	Self-assembled metallasupramolecular cages towards light harvesting systems for	Chem. Sci. 2021 , 12, 5319-5329.

		oxidative cyclization	
185	P. Howlader, S. Mondal, S. Ahamad, P. S. Mukherjee	Guest-Induced Enantioselective Self-Assembly of a Pd ₆ Homochiral Octahedral Cage with a C ₃ -Symmetric Pyridyl Donor	<i>J. Am. Chem. Soc.</i> 2020 , <i>142</i> , 20968-20972.
184	S. Bhattacharyya, S.K. Ali, M. Venkateswarulu, P. Howlader, E. Zangrando, M. De, P. S. Mukherjee	Self-Assembled Pd ₁₂ Coordination Cage as Photoregulated Oxidase-Like Nanozyme	<i>J. Am. Chem. Soc.</i> 2020 , <i>142</i> , 18981-18989.
183	P. Howlader, P. Bhandari, D. Chakraborty, J. K. Clegg, P. S. Mukherjee	Self-Assembly of a Pd ₈ Macrocyclic and Pd ₁₂ Homochiral Tetrahedral Cages Using Poly(tetrazolate) Linkers	<i>Inorg. Chem.</i> 2020 , <i>59</i> , 15454-15459.
182	B. Mondal, P. Bhandari, P. S. Mukherjee	Nucleation of Tiny Silver Nanoparticles Using a Tetrafacial Organic Molecular Barrel for Potential Use in Visible Light Triggered Photocatalysis	<i>Chem. Eur. J.</i> 2020 , <i>26</i> , 15007-15015.
181	S. Bhattacharyya, M. Venkateswarulu, J. Sahoo, M. De, P. S. Mukherjee	A Self-assembled Pt ^{II} ₈ Metallosupramolecular Tubular Cage as Dual Warhead Antibacterial Agent in Water	<i>Inorg. Chem.</i> 2020 , <i>59</i> , 12690-12699.
180	P. Howlader, E. Zangrando, P. S. Mukherjee	Self-Assembly of Enantiopure Pd ₁₂ Tetrahedral Homochiral Nanocages with Tetrazole Linkers and Chiral Recognition	<i>J. Am. Chem. Soc.</i> 2020 , <i>142</i> , 9070. <i>(Featured on the Front Cover of the JACS issue)</i> <i>Highlighted by the ACS as JACS-Spotlights</i>
179	A. Kumar, P. S. Mukherjee	Multicomponent Self-Assembly of Pd(II)/Pt(II) Interlocked Molecular Cages: Cage to Cage Conversion and Self-Sorting in Aqueous Medium	<i>Chem. Eur. J.</i> 2020 , <i>26</i> , 4842.

178	S. Bhattacharya, M. Maity, A. Chaudhury, M. L. Saha, P. J. Stang, P. S. Mukherjee	Coordination Assisted Reversible Photoswitching of Spiropyran-Based Platinum Macrocycles	<i>Inorg. Chem.</i> 2020, 59, 2083-2091.
177	R. Saha, P. S. Mukherjee	Chemistry of photoswitching molecules in confined nanospace of aqueous molecular vessels	<i>Dalton Trans.</i> 2020, 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, P. S. Mukherjee , F. Nee se, P. P. Power, R. Sessoli, V. W. W. Yam, and H-C. Zhou	What is Inorganic Chemistry? (Editorial)	<i>Inorg. Chem.</i> 2019, 58, 9515.
175	I. A. Bhat, E. Zangrando, P. S. Mukherjee	Coordination-Driven Self-Assembly of Discrete Molecular Nanotubular Architectures	<i>Inorg. Chem.</i> 2019, 58, 11172.
174	K. Acharyya, S. Bhattacharyya, H. Sepehrpour, S. Chakraborty, S. Lu, B. Shi. X. Li, P. S. Mukherjee and P. J. Stang	Self-Assembled Fluorescent Pt(II) Metallacycles as Artificial Light-Harvesting Systems	<i>J. Am. Chem. Soc.</i> 2019, 141, 14565.
173	P. P. Chowdhury, S. Bhattacharyya, M. Maity, S. Mukhopadhyay, P. Howlader, P. S. Mukherjee	Linkage induced enhancement in fluorescence in metal-carbene bond directed metallacycles and cages	<i>Chem. Commun.</i> 2019, 55, 8309.
172	R. Modak, B. Mondal, P. Howlader, P. S. Mukherjee	Self-assembly of a "Cationic-Cage" via formation of Ag-carbene bonds followed by imine condensation	<i>Chem. Commun.</i> 2019, 55, 6711 - 6714
171	R. Saha, A. Devaraj, S. Bhattacharya, S. Das, E. Zangrando,	Unusual behavior of Donor-Acceptor Stenhouse Adducts in Confined Space of a Pd(II)	<i>J. Am. Chem. Soc.</i> 2019, 141, 8638.

	P. S. Mukherjee	Molecular Vessel	
170	A. Kumar, E. Zangrando and P. S. Mukherjee	Self-assembled Pd ₃ L ₂ cages having flexible tri-imidazole donors	<i>Polyhedron</i>, 2019, 172, 67. (Invited article)
169	K. Acharyya, P. S. Mukherjee	Organic Imine Cages: Molecular Marriage and Applications	<i>Angew Chem. Int. Ed.</i> 2019, 58, 8640.
168	S. Bhattacharyya, A. Chowdhury, R. Saha, P. S. Mukherjee	Multifunctional Self-Assembled Macrocycles with Enhanced Emission and Reversible Photochromic Behaviour	<i>Inorg. Chem.</i> 2019, 58, 3968.
167	M. Siddiqui, R. Saha, P. S. Mukherjee	Ruthenium(II) Metalla[2]Catenanes and Macrocycles via Donor-Dependent Self-Assembly	<i>Inorg. Chem.</i> 2019, 58, 4491.
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	<i>ACS Catalysis</i>, 2019, 9, 1709.
165	P. Howlader and P. S. Mukherjee	Solvent directed synthesis of molecular cage and MOF of Cu(II) paddlewheel cluster	<i>Israel J. Chem.</i> 2019, 59, 292. (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 π -Conjugated Donor-Acceptor Organic Luminogens	<i>ACS Omega</i>, 2018, 3, 13757. (Invited article)
163	B. Mondal, P. S. Mukherjee	Cage Encapsulated Gold Nanoparticles as Heterogeneous Photocatalyst for Facile and Selective Reduction of Nitroarenes to Azo compounds	<i>J. Am. Chem. Soc.</i> 2018, 140, 12592.
162	M. Maity, P. Howlader, P. S.	Coordination-Driven Self-Assembly of Cyclopentadienyl	<i>Cryst. Growth & Des.</i>, 2018, 18, 6956.

	Mukherjee	Capped Heterometallic Zr–Pd Cages	
161	A. Aderonke, P. S. Mukherjee	Coordination self-assembly of discrete Pt-Ru prismatic cages	<i>Biel. J. Org. Chem.</i> 2018, 14, 2242.
160	A. Aderonke, A. Shettar, A. A. Bhat, P. Kondaiah, P. S. Mukherjee	Coordination self-assembly of Ru(II) architectures: Synthesis, characterization and cytotoxicity studies	<i>Dalton Trans.</i> 2018, 47, 8466
159	A. Bhat, A. Devaraj, E. Zangrando, P. S. Mukherjee	A Discrete Self-Assembled Pd ₁₂ Triangular Orthobicupola Cage and its Use for Intramolecular Cycloaddition	<i>Chem. Eur. J.</i> 2018, 23, 13938.
158	P. Howlader, B. Mondal, P. P. Chowdhury, E. Zangrando, P. S. Mukherjee	Self-assembled molecular barrels as containers for transient merocyanine and reverse photochromism	<i>J. Am. Chem. Soc.</i> 2018, 140, 7952.
157	R. Saha, A. K. Ghosh, R. Samajder, P. S. Mukherjee	Self-assembled molecular spheroids and their proton conduction	<i>Inorg. Chem.</i> 2018 57, 6540.
156	I. Sinha and P. S. Mukherjee	Chemical Transformations in Confined Space of Coordination Architectures	<i>Inorg. Chem.</i> 2018, 57, 4205 (<u>Invited Viewpoint article</u>)
155	I. A. Bhat, A. Devaraj, P. Howlader and P. S. Mukherjee	A chiral Pt ₁₂ tetrahedral cage and its use in catalytic Michael addition reaction	<i>Chem. Commun.</i> 2018 54, 4814
154	B. Roy, A. Devaraj, R. Saha, S. Jharimune, K. W. Chi, P. S. Mukherjee	Catalytic intramolecular cycloaddition reaction using a discrete molecular architecture	<i>Chem. Eur. J.</i> 2017, 23, 15704.
153	P. Das, A. Kumar, P. Howlader, P. S. Mukherjee	A self-assembled trigonal molecular prismatic molecular vessel for catalytic dehydration reactions	<i>Chem. Eur. J.</i> 2017, 23, 12565
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> 2017, 82, 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> 2017, 23, 8980.

150	I. A. Bhat, R. Jain, M. Siddiqui, D. Saini, P. S. Mukherjee	Water-soluble Pd ₈ L ₄ self-assembled molecular barrel as an aqueous carrier for hydrophobic curcumin	<i>Inorg. Chem.</i> 2017 , <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> 2017 , <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> 2017 , <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> 2017 , <i>15</i> , 762.
146	A. A. Ademeyo, A. Shettar, I. A. Bhat, P. Kondaiah, P. S. Mukherjee	Self-assembly of discrete Ru ₈ molecular cages and their in-vitro anticancer study	<i>Inorg. Chem.</i> 2017 , <i>56</i> , 608
145	Chowdhury and P. S. Mukherjee	Vinylnanthracene based compounds as electron rich sensors for explosives recognition	<i>ChemPlusChem.</i> 2016 , <i>82</i> , 1360.
144	P. Howlader and P. S. Mukherjee	Face and edge directed self-assembly Pd ₁₂ tetrahedral nanocages and their self-sorting	<i>Chem. Sci.</i> 2016 , <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> 2016 , <i>22</i> , 7486.
142	B. Roy, E. Zangrando, P. S. Mukherjee	Self-assembly of a redox active water soluble Pd ₆ "Molecular Dice"	<i>Chem. Commun.</i> 2016 , 4489.
141	B. Gole, U. Sanyal, R. Banerjee, P. S. Mukherjee	High loading of Pd nanoparticles by interior functionalization of molecular pockets for heterogeneous catalysis	<i>Inorg. Chem.</i> 2016 , <i>55</i> , 2345.
140	P. Howlader, P. Das, E. Zangrando, P. S. Mukherjee	Urea functionalized self-assembled molecular prism for heterogeneous catalysis in water	<i>J. Am. Chem. Soc.</i> 2016 , <i>138</i> , 1668.
139	D. Samanta, A. Chowdhury, P. S. Mukherjee	Covalent Post-Assembly Modification and Water-Adsorption of Pd ₃ Self-	<i>Inorg. Chem.</i> 2016 , <i>55</i> , 1562.

		Assembled Trinuclear Barrels	
138	B. Mondal, K. Acharyya, P. Howlader, P. S. Mukherjee	Molecular cage imregnated Pd nanoparticles: Efficient additive-free heterogeneous catalysts for cyanation of aryl halides	J. Am. Chem. Soc. 2016, 138, 1709.
137	A. Chowdhury, P. Howlader, P. S. Mukherjee	Crystallization induced emission enhancement of mechano-fluorochromic Pt(II) luminogen and its application for cysteine detection	Chem. Eur. J. 2016, 22, 1424.
136	P. Howlader, S. Mukherjee, R. Saha, P. S. Mukherjee	Conformation-selective coordination-driven self-assembly of a ditopic donor with Pd ^{II} acceptors	Dalton Trans. 2015, 20493.
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134	S. Shanmugaraju, P. S. Mukherjee	π -electron rich small molecule sensors for the recognition of nitroaromatics	Chem. Commun. 2015, 51, 16014.
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