Complete list of publications

Citation Data: Total Publications: 209; Total Citations: 14,870; Average Citations per paper: 66.10.

***h-index*: 67**

Summary of publications:

A) *American Chemical Society's journals*: Total publications: 84 (Inorg.Chem.-43, JOC-5, JACS-17, JACS-Au: 2, Orgmet-7, Chem. Rev. 2, Acc. Chem. Res. 1, Cryst Growth & Des. 3, ACS Omega 1, ACS Catalysis 2, 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: 35 (Angew Chem.: 7, 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

Google Scholar Citation Link:

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

	Authors	Title	Journal
209	R. Banerjee, S. Bhattacharyya, **P. S. Mukherjee**	Synthesis of an Adaptable Molecular Barrel and Guest Mediated Stabilization of its Metastable Higher Homologue	***JACS-Au, 2023*** *3,* in press.
208	D. Prajapati, P. Bhandari, H. Neil, **P. S. Mukherjee**	A Water-Soluble Pd_6L_3 Molecular Bowl for Separation of Phenanthrene from a Mixture of Isomeric Aromatic Hydrocarbons	***Inorg. Chem***. **2023**, *62*, DOI: https://doi.org/10.1021/acs.inorgchem.3c01156

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	***Angew Chem. Int. Ed.*** **2023**, *61*, e202305338.
206	P. Bhandari and **P. S. Mukherjee**	Covalent Organic Cages in Catalysis	***ACS Catalysis.*** **2023,** *13,* 6126-6143.
205	R. Banerjee, D. Chakraborty, **P. S. Mukherjee**	Molecular Barrels as Potential Hosts: From Synthesis to Applications	***J. Am. Chem. Soc.*** **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	***Chem.Commun.*** **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	***Angew Chem. Int. Ed.*** **2023**, *61*, e202218226.
202	R. Saha, J. Sahoo, M. Venkateswarulu, M. De, **P. S. Mukherjee**	Shifting Triangle-Square Equi librium of Self-Assembled Meta llocycles by Guest Binding with Enhanced Photosensitization	***Inorg. Chem.*** **2022, *61,*** 17289-17298.
201	D. Chakraborty, R. Saha, J. Clegg, **P. S. Mukherjee**	Selective separation of planar and non-planar hydrocarbons using an aqueous Pd6 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. Bhattacharyya, 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. Banerjee, E. Zangrando, **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. Mondal, P. Howlader, **P. S. Mukherjee**	Face-Directed Tetrahedral Organic Cage Anchored Palladium Nanoparticles for Selective Homocoupling Reaction	***Euj. 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. Modak, S. Bhattacharya, E. Zangrando, **P. S. Mukherjee**	Self-assembly of Octanuclear Pt/Pd-Coordination Barrels and Uncommon Structural Isomerizatiuon 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. Modak, P. Howlader, **P. S. Mukherjee**	*De novo* 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 metallasup-ramolecular cages towards light harvesting systems for oxidative cyclization	***Chem. Sci.* 2021,** *12,* 5319-5329.
185	P. Howlader, S. Mondal, S. Ahamad, **P. S. Mukherjee**	Guest-Induced Enantiosele-ctive Self-Assembly of a Pd_6 Homochiral Octahedral Cage with a C_3-Symmetric Pyridyl Donor	***J. Am. Chem. Soc.* 2020,** *142*, 20968-20972.
184	S. Bhattacharyya, S.K. Ali, M. Venkateswarulu, P. Howlader, E.	Self-Assembled Pd_{12} Coordination Cage as Photoregulated Oxidase-Like	***J. Am. Chem. Soc.* 2020,** *142*, 18981-18989.

	Zangrando, M. De, **P. S. Mukherjee**	Nanozyme	
183	P. Howlader, P. Bhandari, D. Chakraborty, J. K. Clegg, **P. S. Mukherjee**	Self-Assembly of a Pd_8 Macrocycle and Pd_{12} Homochiral Tetrahedral Cages Using Poly(tetrazolate) Linkers	***Inorg. Chem.* 2020,** *59,* 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	***Chem. Eur. J. 2020,*** *26,* 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	***Inorg. Chem.* 2020,** *59,* 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	***J. Am. Chem. Soc.* 2020,** *142*, 9070. ***(Featured on the Front Cover of the JACS issue)*** ***Highlighted by the ACS as JACS-Spotlights***
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	***Chem. Eur. J. 2020,*** *26,* 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	***Inorg. Chem.* 2020,** *59,* 2083-2091.
177	R. Saha, **P. S. Mukherjee**	Chemistry of photoswitching molecules in confined nanospace of aqueous molecular vessels	***Dalton Trans.* 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.Se ssoli, V.W. W. Yam, and H-C. Zhou	What is Inorganic Chemistry? **(Editorial)**	***Inorg. Chem.* 2019,** *58*, 9515.
175	I. A. Bhat, E. Zangrando, **P. S. Mukherjee**	Coordination-Driven Self-Assembly of Discrete Molecular Nanotubular Architectures	***Inorg. Chem.* 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	***J. Am. Chem. Soc.* 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	***Chem.Commun. 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	***Chem. Commun. 2019,*** *55,* 6711 - 6714
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	***J. Am. Chem. Soc.* 2019,** *141*, 8638.
170	A. Kumar, E. Zangrando and **P. S. Mukherjee**	Self-assembled Pd_3L_2 cages having flexible tri-imidazole donors	***Polyhedron,* 2019,** *172,* 67. (Invited article)
169	K. Acharyya, **P. S. Mukherjee**	Organic Imine Cages: Molecular Marriage and Applications	***Angew Chem. Int. Ed.* 2019,***58,* 8640.
168	S. Bhattacharyya, A. Chowdhury, R. Saha, **P. S.**	Multifunctional Self-Assembled Macrocycles with Enhanced Emission and Reversible	***Inorg. Chem.* 2019,** *58*, 3968.

	Mukherjee	Photochromic Behaviour	
167	M. Siddiqui, R. Saha, **P. S. Mukherjee**	Ruthenium(II) Metalla[2]Catenanes and Macrocycles via Donor-Dependent Self-Assembly	***Inorg. Chem.*** **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	***ACS Catalysis,*** **2019,** *9,* 1709.
165	P. Howlader and **P. S. Mukherjee**	Solvent directed synthesis of molecular cage and MOF of Cu(II) paddlewheel cluster	***Israel J. Chem. 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	***ACS Omega*****, 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	***J. Am. Chem. Soc. 2018,*** *140****,*** 12592*.*
162	M. Maity, P. Howlader, **P. S. Mukherjee**	Coordination-Driven Self-Assembly of Cyclopentadienyl Capped Heterometallic Zr−Pd Cages	***Cryst. Growth & Des., 2018,*** *18,* 6956.
161	A. Aderonke, **P. S. Mukherjee**	Coordination self-assembly of discrete Pt-Ru prismatic cages	***Biel. J. Org. Chem.*** **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	***Dalton Trans. 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	***Chem. Eur. J.*** **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	***J. Am. Chem. Soc. 2018,*** *140,* 7952.
157	R. Saha, A. K. Ghosh, R. Samajder, **P. S. Mukherjee**	Self-assembled molecular spheroids and their proton conduction	***Inorg. Chem. 2018*** *57,* 6540.
156	I. Sinha and **P. S. Mukherjee**	Chemical Transformations in Confined Space of Coordination Architectures	***Inorg. Chem. 2018,*** *57*, 4205 (Invited Viewpoint article)
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	***Chem.Commun. 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	***Chem. Eur. J.*** **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	***Chem. Eur. J.*** **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	***J. Org. Chem*****. 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	***Chem. Eur. J.*** **2017***, 23*, 8980.
150	I. A. Bhat, R. Jain, M. Siddiqui, D. Saini, **P. S. Mukherjee**	Water-soluble Pd8L4 self-assembled molecular barrel as an aqueous carrier for hydrophobic curcumin	***Inorg. Chem.*** **2017,** *56,* 5352.
149	B. Roy, R. Saha, A. K. Ghosh, Y. Patil, **P. S. Mukherjee**	Versatility of diimidazole building blocks in coordination self-assembly	***Inorg. Chem.*** **2017***, 56,* 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	***Chem. Eur. J.*** **2017,** *23,* 8482.

147	S. Dasgupta and **P. S. Mukherjee**	Carboxylatopillar[n]arenes: A versatile class of water-soluble synthetic receptors	***Org. Biomol. Chem. 2017,*** *15*, 762.
146	A. A. Ademeyo, A. Shettar, I. A. Bhat, P. Kondaiah, **P. S. Mukherkjee**	Self-assembly of discrete Ru8 molecular cages and their in-vitro anticancer study	***Inorg. Chem.*** **2017,** *56, 608*
145	Chowdhury and **P. S. Mukherjee**	Vinylanthracene based compounds as electron rich sensors for explosives recognition	***ChemPlusChem.*** **2016,** 82, 1360.
144	P. Howlader and **P. S. Mukherjee**	Face and edge directed self-assembly Pd_{12} tetrahedral nanocages and their self-sorting	***Chem. Sci.*** **2016**, *7*, 5893.
143	A. Chowdhury, P. Howlader, **P. S. Mukherjee**	Aggregation induced emission of Pt(II) metallacycles and their nitroaromatics detection	***Chem. Eur. J.*** **2016**, *22*, 7486.
142	B. Roy, E. Zangrando, **P. S. Mukherjee**	Self-assembly of a redox active water soluble Pd_6 "Molecular Dice"	***Chem.Commun.*** **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	***Inorg. Chem.*** **2016,** *55,* 2345.
140	P. Howlader, P. Das, E. Zangrando, **P. S. Mukherjee**	Urea functionalized self-assembled molecular prism for heterogeneous catalysis in water	***J. Am. Chem. Soc.*** **2016,** *138***,** 1668.
139	D. Samanta, A. Chowdhury, **P. S. Mukherjee**	Covalent Post-Assembly Modification and Water-Adsorption of Pd_3 Self-Assembled Trinuclear Barrels	***Inorg. Chem.*** **2016,** *55,* 1562.
138	B. Mondal, K. Acharyya, P. Howlader, **P. S. Mukherjee**	Molecular cage imgregnated 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**,**	Conformation-selective coordination-driven self-	***Dalton Trans.*** **2015,** 20493.

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135	A. Adeyemo, S. Shanmugaraju, D. Samanta, **P. S. Mukherjee**	Template-free coordination-driven self-assembly of discrete hexanuclear prismatic cages employing half-sandwich octahedral Ru^{II}_2 acceptors and triimidazole donors	***Inorg. Chim. Acta.*** **2016,** *440*, 62
134	S. Shanmugaraju, **P. S. Mukherjee**	π-electron rich small molecule sensors for the recognition of nitroaromatics	***Chem.Commun. 2015,*** 51, 16014.
133	S. Das Gupta, A. Chowdhury, **P. S. Mukherjee**	Binding of carboxylatopillar [5]arene with alkyl and aryl ammonium salts in aqueous medium	***RSC. Adv.*** **2015,** 85791
132	B. Roy, S. Shanmugaraju, R. Saha, **P. S. Mukherjee**	Self-assembly of Metallamac-rocycles Employing a New Benzil Based Organometallic Bisplatinum (II) Acceptor	***CHIMIA,*** **2015,** *69*, 541 **(Invited article)**
131	B. Roy, A. K. Ghosh, S. Srivastava, P. D'Silva, **P. S. Mukherjee**	A Pd_8 Tetrafacial Molecular Barrel as Carrier for Water Insoluble Fluorophore	***J. Am. Chem. Soc.*** **2015,** *137,* 11916
130	I. A. Bhat, D. Samanta and **P. S. Mukherjee**	A Pd_{24} Pregnant Molecular Nanoball: Self-Templated Stellation by Precise Mapping of Coordination Sites	***J. Am. Chem. Soc.*** **2015,** *137,* 9497
129	A. Chowdhuri, **P. S. Mukherjee**	Electron rich triphenylamine based sensors for picric acid detection	***J. Org. Chem. 2015****, 80,* 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	***Chem. Commun.*** **2015,** *51*, 4872.
127	K. Acharyya, **P. S. Mukherjee**	Post-synthetic exterior decoration of an organic cage by copper(I) catalyzed A^3-coupling and detection of nitroaromatics	***Chem. Eur. J.*** **2015,** *21***,** 6823

126	K. Acharyya, **P. S. Mukherjee**	Shape and size directed self-selection in organic cage formation	***Chem. Commun.*** **2015,** *51*, 4241.
125	S. Shanmugaraju and **P. S. Mukherjee**	Self-assembling discrete molecules for sensing nitroaromatics	***Chem. Eur. J.*** **2015,** *21*, 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_6 cages and their facile thermal separation	***J. Am. Chem. Soc.*** **2014,** *136,* 17006
123	K. Acharyya and **P. S. Mukherjee**	A fluorescent organic cage for picric acid detection	***Chem. Commun.*** **2014,** *50,* 15788
122	S. Mukherjee and **P. S. Mukherjee**	Cu^{II}-Azide polynuclear complexes of three different building clusters with the same Schiff-base co-ligand: synthesis, structures, magnetic behavior and DFT studies	***Cryst. Growth & Design.*** **2014,** *15***,** 4177
121	B. Gole, A. K. Bar and **P. S. Mukherjee**	Multicomponent assembly of fluorescent tag functionalized ligands in coordination frameworks for explosive sensing	***Chem. Eur. J.*** **2014,** *20,* 13321
120	D. Samanta and **P. S. Mukherjee**	Component selection in self-assembly of Pd(II) nanocages and cage-to-cage transformation	***Chem. Eur. J.*** **2014,** *20,* 12483
119	B. Gole, W. Song, M. Lackinger and **P. S. Mukherjee**	Explosive sensing using electron rich supramolecular polymers: Role of intermolecular H-bonding in significant enhancement of sensitivity	***Chem. Eur. J.*** **2014,** *20,* 13662
118	D. Samanta and **P. S. Mukherjee**	Self-assembled multicomp-onent Pd_6 aggregates showing low-humidity proton conduction	***Chem. Commun.*** **2014,** *50*, 1595.
117	S. Mukherjee and **P. S. Mukherjee**	Template free multicomponent self-assembly of Pd/Pt molecular cages	***Chem. Commun.*** **2014,** *20***,** 2239.

116	D. Samanta and **P. S. Mukherjee**	Structural diversity in multinuclear Pd(II)-assemblies: Potential materials for low-humidity proton conduction	***Chem. Eur. J.*** **2014,** *20*, 5649.
115	B. Gole, A. K. Bar and **P. S. Mukherjee**	Modification of Extended Open Frameworks with Fluorescent Tags for Sensing Explosives: Competition Between Size Selectivity and Electron Deficiency	***Chem. Eur. J.*** **2014,** *20*, 2276.
114	K. Acharyya and **P. S. Mukherjee**	H-bond driven controlled molecular marriage in covalent cages	***Chem. Eur. J.*** **2014,** *20*, 1646
113	S. Shanmugaraju, H. Jadhav and **P. S. Mukherjee**	Self-assembly of chloro-bridged ruthenium based rectangle: Synthesis, structural characteri-zation and Sensing study	***Proc. Ind. Nat. Sc. Acad.*** **2014,** *84*, 197 (invited article)
112	B. Gole, K. C. Mondal, and **P. S. Mukherjee**	Tuning nuclearity of clusters by positional change of functional group: Synthesis of polynuclear clusters, crystal structures and magnetic properties	***Inorg. Chim. Acta.*** **2014,** *415*, 151.
111	D. Samanta, S. Shanmugaraju, A. Adeyemo, and **P. S. Mukherjee**	Self-assembly of discrete metallamacrocycles employing half sandwich octahedral diruthenium building units and imidazole based ligands	***J. Orgmet. Chem.*** **2014,** 703. **(Invited article for a special issue)**
110	S. Mukherjee, D. Samanta and **P. S. Mukherjee**	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	***Cryst. Growth & Des.*** **2013**, *14*, 5335.
109	D. Samanta and **P. S. Mukherjee**	Pt^{II}_6 Nanoscopic molecular cages with organometallic backbone as sensors for picric acid	***Dalton Trans.*** **2013**, *42*, 16784.
108	S. Mukherjee and **P. S. Mukherjee**	Role of dicarboxylate linkers in Mn(III)-salicylaldoximate based extended molecular magnets	***Chem. Eur. J.*** **2013**, *19*, 17064.
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105	S. Ghosh, S. Mukherjee, P. Seth, A. Ghosh, **P. S. Mukherjee**	Solvent-Templated Supramolecular Isomerism in 2D Coordination Polymer Constructed by NiII2CoII Node and Dicyanamido Spacer: Drastic Change in Magnetic Behaviors	***Dalton Trans.*** **2013**, *42*, 13554.
104	B. Gole, A. K. Bar, A. Mallick, R. Banerjee and **P. S. Mukherjee**	Electron rich porous extended framework as heterogeneous catalyst for Diels-Alder reaction	***Chem. Commun.*** **2013**, 49, 7439.
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102	S. Shanmugaraju, H. Jadhav, R. Karthik, and **P. S. Mukherjee**	Electron rich supramolecular polymers as fluorescent sensors for nitroaromatics	***RSC. Advances*** **2013*,*** *3****,*** 4940.
101	B. Roy, A. K. Bar, B. Gole and **P. S. Mukherjee**	Fluorescent tris-imidazolium sensors for picric acid explosive	***J. Org. Chem.*** **2013**, *78*, 1306.
100	K. Acharyya, S. Mukherjee and **P. S. Mukherjee**	Molecular marriage through partner preferences in covalent cage formation and cage-to-cage transformation	***J. Am. Chem. Soc.*** **2013**, *135,* 554.
99	D. Samanta and **P. S. Mukherjee**	Multicomponent self-sorting of a Pd_7 boat and its use in catalytic Knoevenagel condensation	***Chem. Commun.*** **2013**, 4307. **(Invited contribution for a special "Emerging investigators' issue 2013")**

98	S. Mukherjee and **P. S. Mukherjee**	Cu(II)-Azide polynuclear complexes of Cu4 building clusters with Schiff base co-ligands: synthesis, structures, magnetic and DFT studies	***Dalton Trans.*** **2013**, *42*, 4019.
97	S. Shanmugaraju, Arun K. Bar, D. Moon, **P. S. Mukherjee**	Coordination assembly of Pt_4 macrocycles with organometallic backbone for sensing of acyclic dicarboxylic acids	***Dalton Trans,*** **2013**, 2998.
96	S. Shanmugaraju, H. Jadhav, Y. Patil, **P. S. Mukherjee**	Self-assembly of an octanuclear Pt(II) tetragonal prism from a new Pt_4 organometallic building unit and its nitroaromatic explosives sensing	***Inorg. Chem.*** **2012**, 51, 13072.
95	S. Anbu, S. Shanmugaraju, R. Ravishankaran, A. Karanda, **P. S. Mukherjee**	Naphthylhydrazone based selective and sensitive chemosensors for Cu(II)	***Dalton Trans.*** **2012**, *41*, 13330.
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92	A. K. Bar, S. Mohapatra, **P. S. Mukherjee**	A series of Pd_6 trifacial molecular barrels with porphyrin walls	***Chem. Eur. J.*** **2012,** *18***,** 9571.

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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° dipyridyl donor: Synthesis, characterization, and C_{60} binding	***Inorg. Chem.*** **2012**, *51*, 4817.
89	S. Shanmugaraju, D. Samanta, **P. S. Mukherjee**	Self-assembly of Ru_4 and Ru_8 assemblies using Ru_2 organometallic precursors: Synthesis, characterization and properties	***Beilstein J. Org. Chem.*** **2012**, *8*, 313. **(Invited article for a special issue)**
88	D. Samanta, S. Shanmugaraju, Y. Patil, M. Nethaji, **P. S. Mukherjee**	Pillar height dependent unprecedented Pd8 molecular swing and Pd6 molecular boat via multicomponent and C_{60} binding	***Chem. Commun.*** **2012**, *48*, 2298.
87	Arun K. Bar, S. Raghothama, **P. S. Mukherjee**	Three-component self-assembly of a series of interlocked Pd12 prisms and their non-interlocked analogues	***Chem. Eur. J.*** **2012,** *18,* 3199.
86	B. Gole, A. K. Bar, **P. S. Mukherjee**	Metal-organic framework for sensing of nitroaromatics	***Chem. Commun.*** **2011**, *47*, 12137.
85	K. C. Mondal, B. Gole, Y. Song, D. Turner, **P. S. Mukherjee**	Two new chains of Ni_2Na_2 heterometallic double half-cubane building units: synthesis, structures and magnetic behavior	***J. Chem. Sci***. **2011**, 807. (**Invited article for a special issue to mark the International Year of Chemistry)**
84	S. Shanmugamraju, S. A. Joshi, **P. S. Mukherjee**	Self-assembly using of a new organometallic clip: synthesis, characterization and sensing study	***Inorg. Chem.*** **2011**, *50*, 11736.

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81	R. Chakrabarty, **P. S. Mukherjee,** P. J. Stang	Supramolecular coordination: Self-assembly of finite 2D and 3D ensembles	***Chem. Rev.*** **2011**, *111*, 6810.
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76	A. K. Bar, R. Chakrabarty, **P. S. Mukherjee**	Coordination driven self-assembly of metallamacrocycles using ambidentate linkers and self-selection of single linkage isomer	***Inorg. Chim. Acta.*** **2011**, 372, 313. (**Invited article for a special issue)**

75	S. Shanmugamraju, A. K. Bar, S. Joshi, J. Patil, **P. S. Mukherjee**	Constructions of 2D-Metallamacrocycles Using Half-Sandwich RuII2 Precursors: Synthesis, Molecular Structures and Self-Selection for a Single Linkage Isomer	***Organometallic****s*, **2011**, *30,* **1951**.
74	A. K. Bar, S. Shanmugamraju, **P. S. Mukherjee**	Self-assembly of Pd(II) neutral and cationic rectangles: syntheses, characterizations and nitroaromatics sensing	***Dalton Trans.*** **2011*,*** *40*, 2257. (**Invited article for a themed issue: New Talent from Asia**).
73	W. Ming, V. Vajpayee, S. Shanmugamraju, **P. S. Mukherjee**, K. Chi, P. J. Stang	Coordination driven self-assembly of M_3L_2 trigonal cages from preorganized metalloligands containing octahedral metal centers and fluorescent detection of nitroaromatics	***Inorg. Chem.*** **2011**, *50*, 1506.
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67	S. Shanmugamraju, A. K. Bar, K-W. Chi **P. S. Mukherjee**	Coordination driven self-assembly of metallama-crocycles via a new organometallic building block with 90° geometry and optical sensing of anions	***Organometallics*****,** **2010**, *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	***Dalton Trans.*** **2010**, 9766.
65	O. Sengupta, B. Gole **P. S. Mukherjee**	A series of transition metal-azido extended complexes with various anionic and neutral co-ligands	***Dalton Trans.*** **2010**, 7451.
64	O. Sengupta, B. Gole, **P. S. Mukherjee**	Synthesis, crystal structures and magnetic behavior of two 3D coordination polymers using N(4/3carboxyphenyl)iminodiace - tic acids as bridging ligands	***Inorg. Chim. Acta,*** **2010**, 3093. (**Invited article**)
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53	A. K. Bar, R. Chakrabarty, G. Mostafa and **P. S. Mukherjee**	Self-assembly of a nanoscopic $Fe_{12}Pt_{12}$ open hexagonal barrel containing six porphyrin walls	***Angew. Chem. Int. Ed.*** **2008**, *47*, 8455. **work highlighted in a Nature publishing group journal "Asia Materials" 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	***Inorg. Chim. Acta.*** **2009**, *392*, 1913.
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48	K. C. Mondal, O. Sengupta, M. Nethaji, and **P. S. Mukherjee**	Assembling metals with pyridylcarboxylates to for polynuclear extended materials	***Dalton Trans.*** **2008**, 767.
47	S. Ghosh, R. Chakrabarty, and **P. S. Mukherjee**	Self-assembly of four new Pd(II) molecular boats using imidazole donor linker	***Dalton Trans.*** **2008**, 1850.
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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.

3) Self-assembled discrete coordination architectures towards biological applications
A. Banerjee and **P. S. Mukherjee**
***Adv. Inorg. Chem.* 2023**, *82*, 345-387. (Invited book chapter to the Special Volume devoted to 'Inorganic Chemistry in India')