

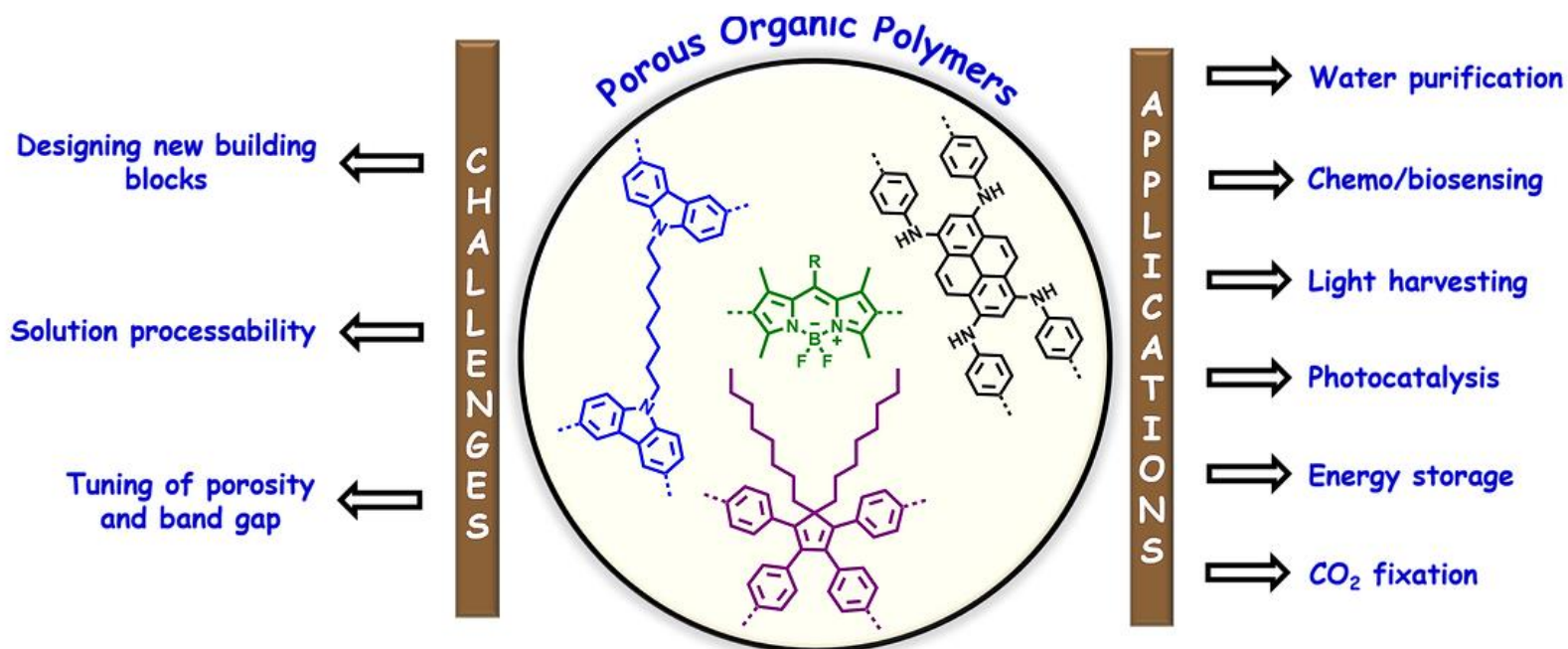
Functional Materials Laboratory



FML
Functional Materials Lab

Abhijit Patra abhijit@iiserb.ac.in

Porous Organic Polymers

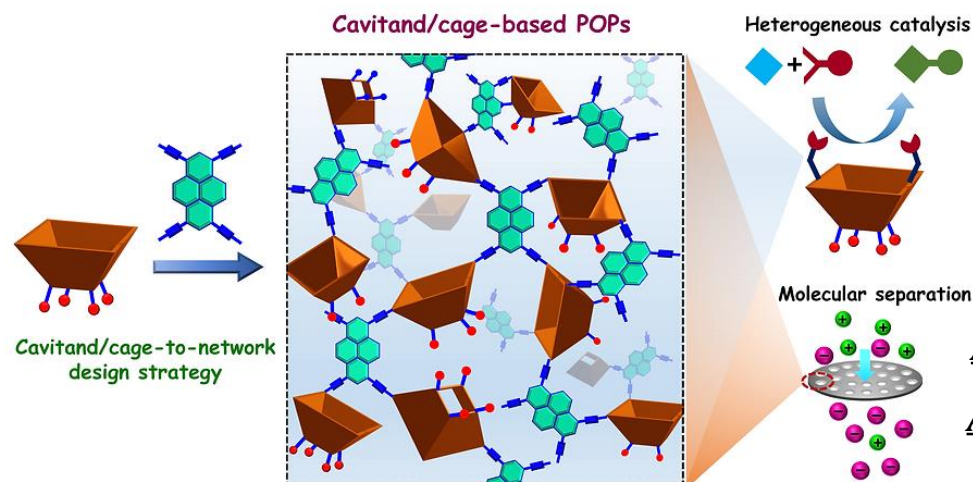


**Porous Organic
Polymers**

**Fluorescent
materials**

Nanomaterials

**Techniques: Absorption, Fluorescence,
TCSPC, AFM, SEM, TEM, XPS, XRD, BET**



Chem. Asian J. 2025, 20, e202401368

Acc. Mater. Res. 2024, 5, 1353

Chem. Mater. 2024, 36, 8027

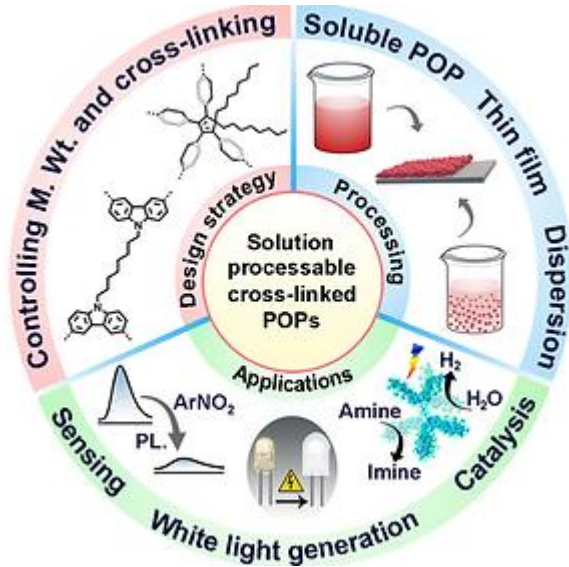
Small. 2024, 2407756

Angew. Chem. Int. Ed. 2023, e202312910

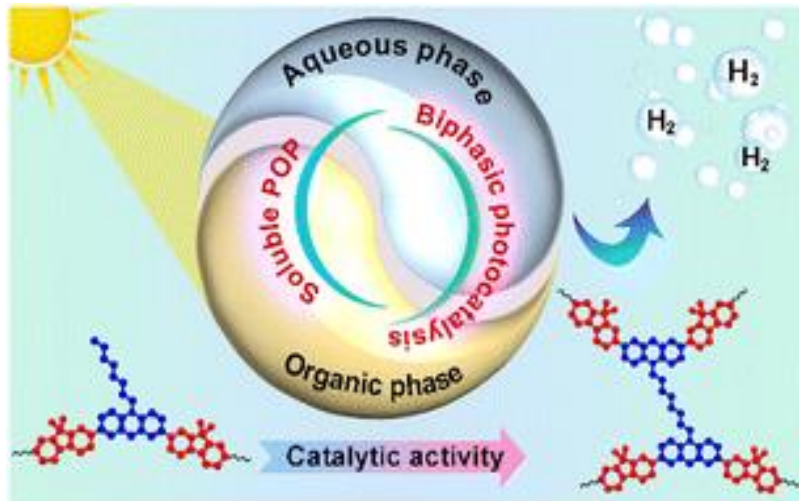
ACS Appl. Mater. Interfaces 2022, 14, 7369

Porous Organic Polymers

Soluble Porous Organic Polymers

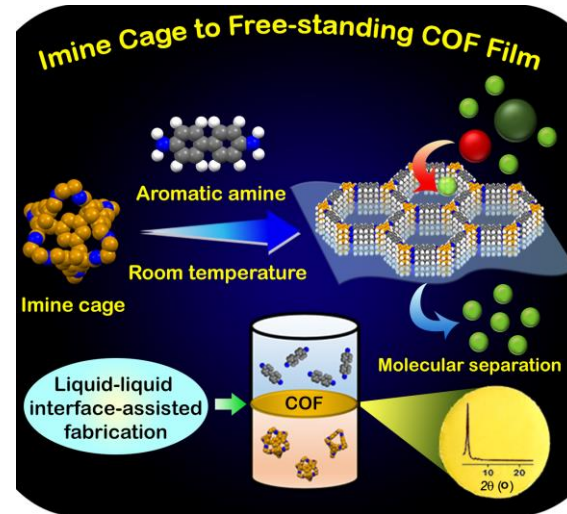


Acc. Mater. Res. 2024, 5, 1353

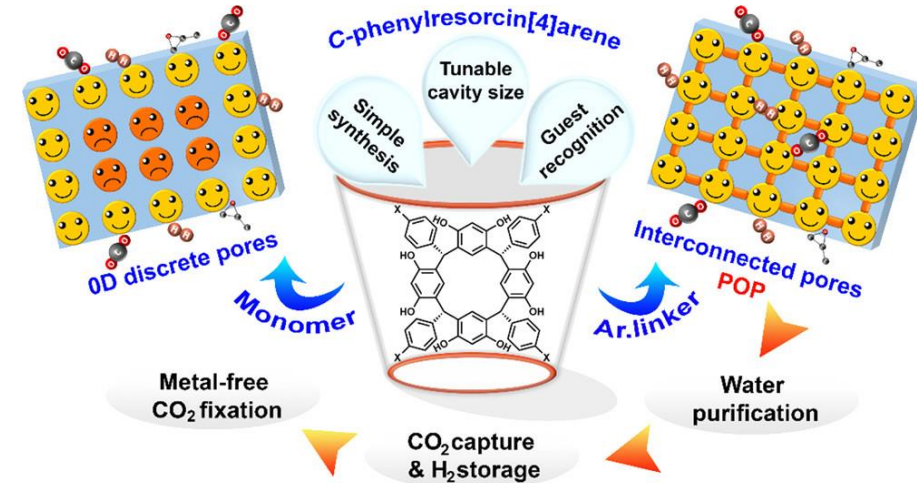


Chem. Commun. 2023, 59, 2584

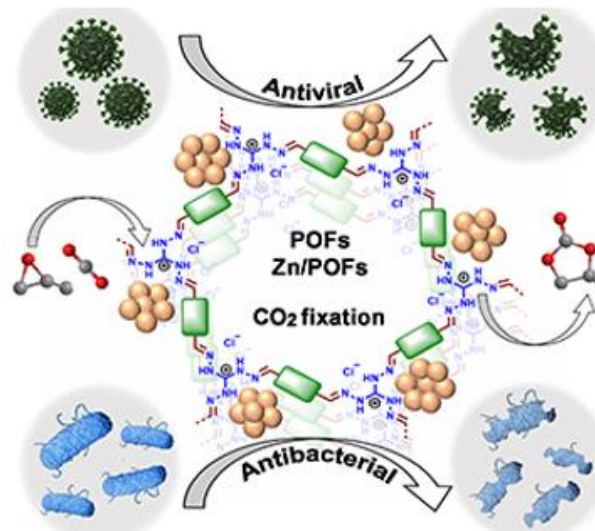
Solid Porous Materials



Angew. Chem. Int. Ed. 2023, e202219083



Chem. Mater. 2019, 31, 8440



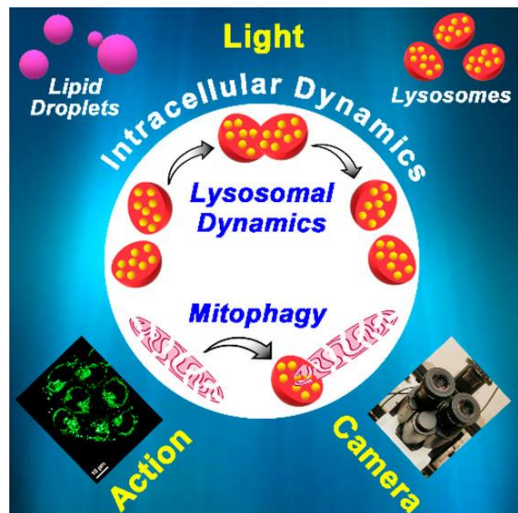
Chem. Sci. 2020, 11, 7910



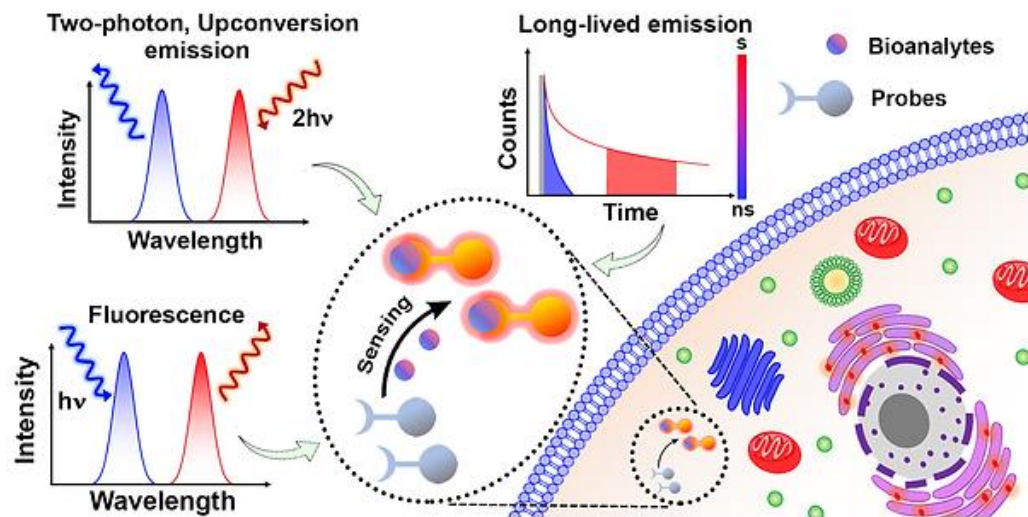
Chem. Mater. 2024, 36, 8027

Small Organic Luminogens

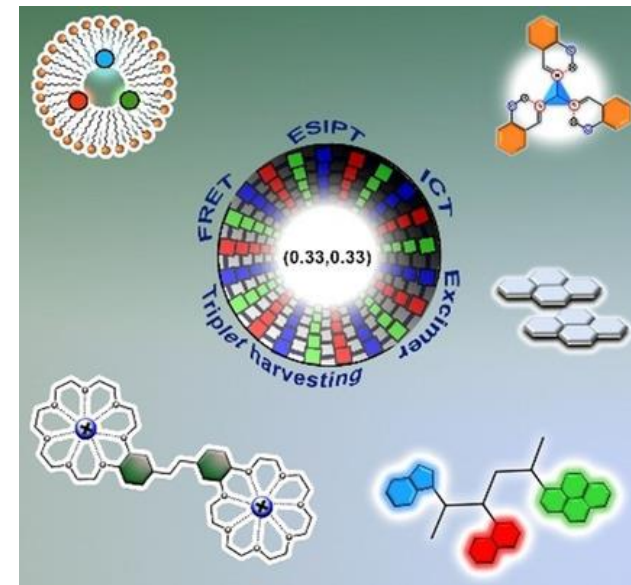
Fluorescent Materials



ACS Appl. Bio Mater. 2022, 5, 3623 (review)

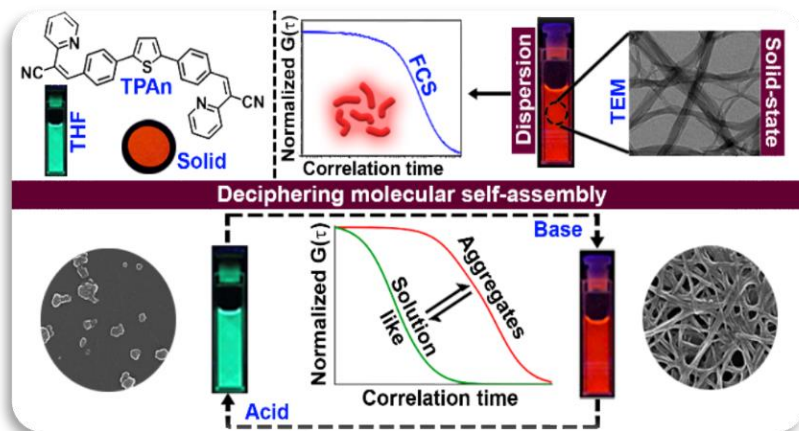


J. Mater. Chem. C 2022, 10, 6141 (review)

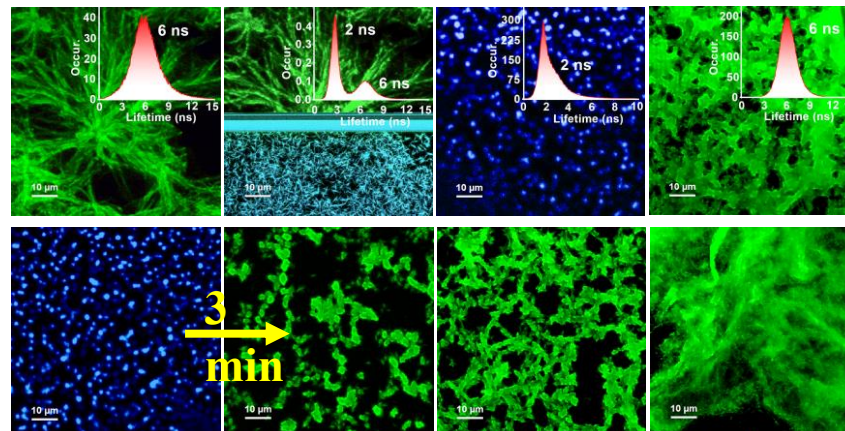


Chem. Eur. J. 2020, 26, 5557 (Review)

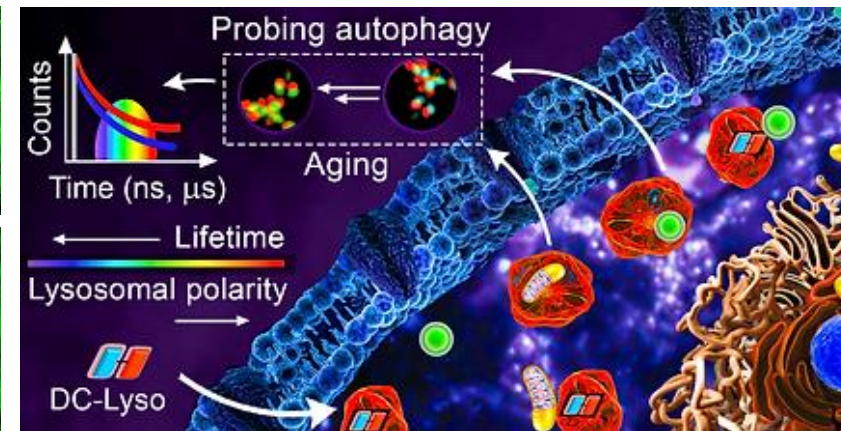
Dynamics of self-assembly and tracking of organelle dynamics



Chem. Sci. 2021, 12, 5874



ACS Materials Lett. 2023, 5, 27



Chem. Sci. 2024, 15, 102