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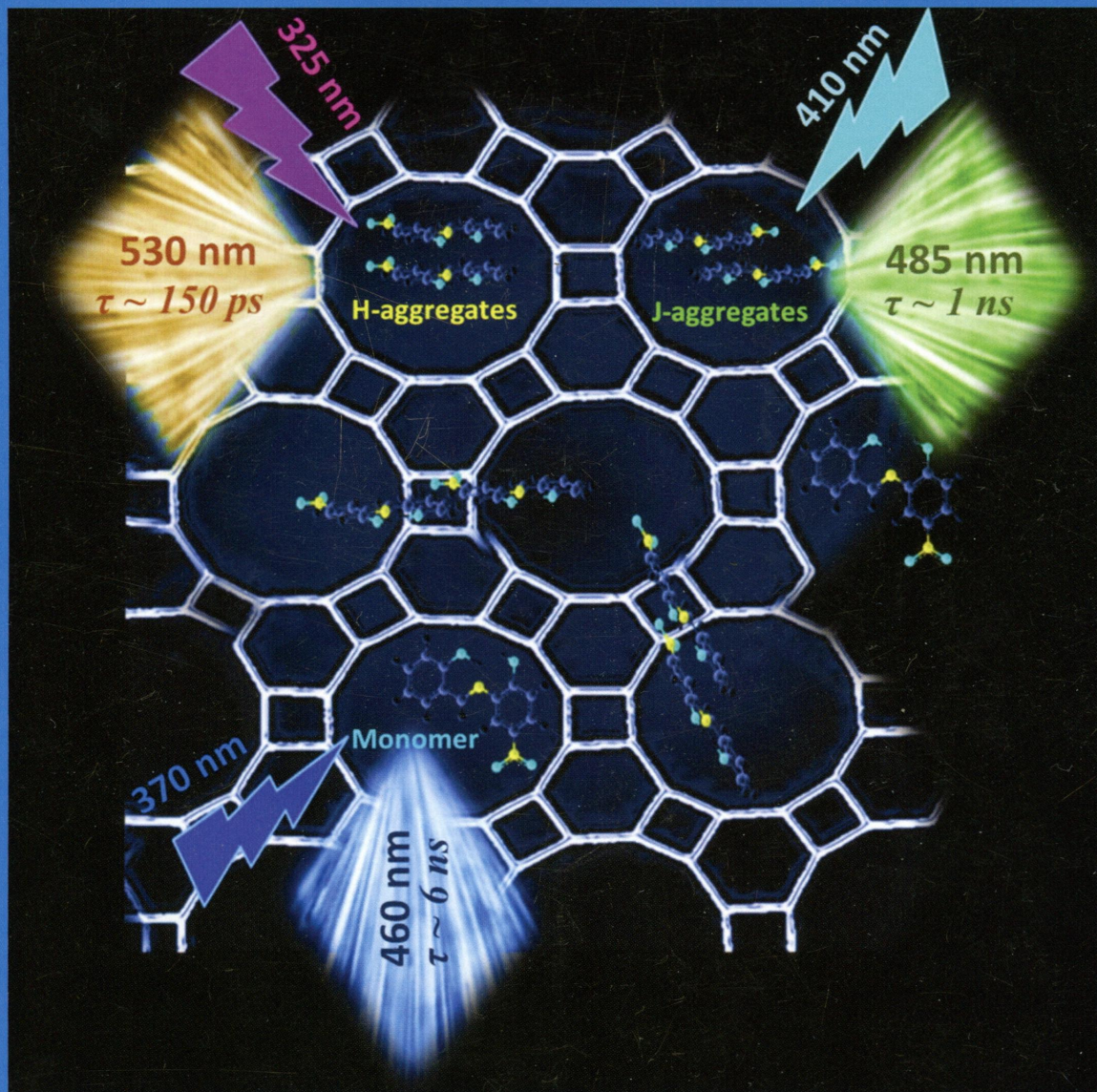
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Spectral and Time
Domains of
Monomers and
H- and J-Aggregates
of a Proton-Transfer
Dye Confined within
Faujasite Supercages
(see page 8217)

ENERGY CONVERSION AND STORAGE, OPTICAL AND ELECTRONIC DEVICES,
INTERFACES, NANOMATERIALS, AND HARD MATTER



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ON THE COVER: Spectral and time domains of monomers and H- and J-aggregates of a proton-transfer dye confined within faujasite supercages. (*E*)-2-((2-Hydroxybenzyliden)amino-4-nitrophenol, a new dye showing an intramolecular H bond at the ground state and an electronically excited-state proton-transfer reaction, is confined within the supercages of NaX/NaY zeolites in the form of monomers and H- and J-aggregates that absorb and emit in different regions with lifetimes in the picosecond–nanosecond regime due to the confinement and excitonic interactions. See page 8217.

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Exploring the Photobehavior of Nanocaged Monomers and H- and J-Aggregates of a Proton-Transfer Dye within NaX and NaY Zeolites

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