

Chemistry A European Journal



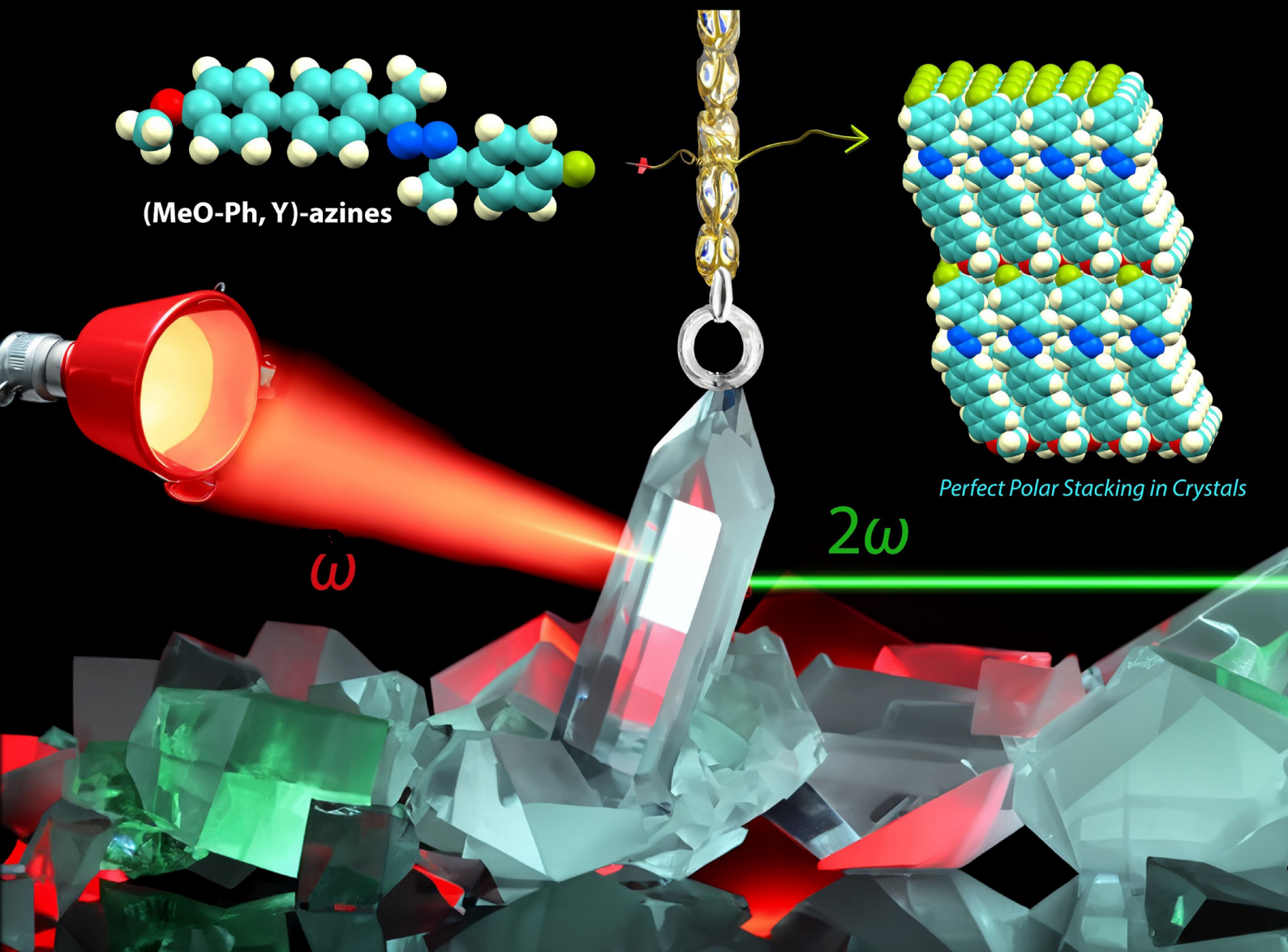
Chemistry
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Front Cover:

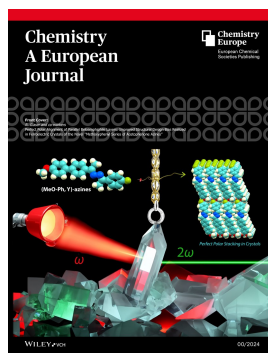
R. Glaser and co-workers

Perfect Polar Alignment of Parallel Beloamphiphile Layers: Improved Structural Design Bias Realized in Ferroelectric Crystals of the Novel "Methoxyphenyl Series of Acetophenone Azines"



COVER

A new series of ferroelectric molecular crystals is described: the methoxyphenyl acetophenone azines, (MeO–Ph, Y)-azines with Y = F (1), Cl (2), Br (3), or I (4). The crystals of 1–4 not only exhibit the desired polar stacking of beloamphiphile mono-layers (PBAMs), but the results exceed expectations. Crystals 1–4 feature *planar* biphenyl moieties enhancing PBAM stability and NLO performance. Avoiding interlayer halogen bonding allows perfect polar stacking of PBAMs of fluoroazine 1. Chloroazine 2 presents a unique case of a kryptoracemate due to conformational helicity. More information can be found in the Research Article by R. Glaser and co-workers (DOI: 10.1002/chem.202400182).



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