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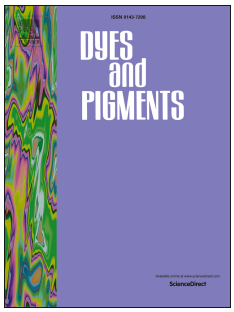

An anionic metal-organic framework as a platform for charge-and size-dependent selective removal of cationic dyes

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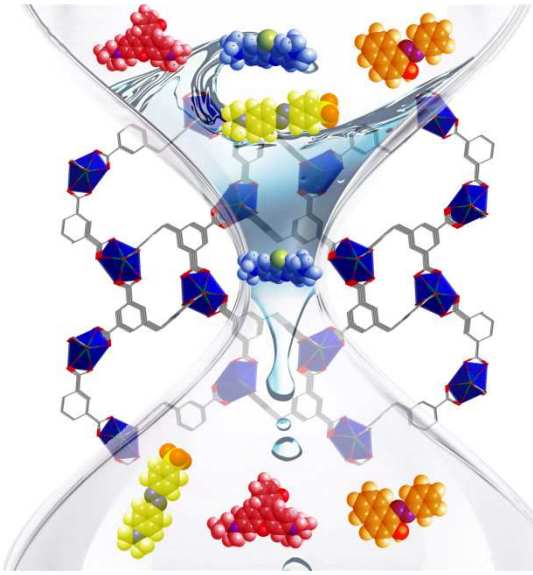

An anionic MOF $\{[Me_2NH_2]_{0.5}[In_{0.5}L_{0.5}]\cdot x\text{DMF}\}_n$ with two one-dimensional channels along the *b* axis of about 7.37×11.95 Å and 6.58×7.24 Å was successfully synthesized and built a platform for charge-and size-dependent selective separation of methylene blue used as the chromatographic column stationary phase.