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Publications

PUBLICATIONS

- **Photoswitchable Binary Nanopore Conductance and Selective Electronic Detection of Single Biomolecules under Wavelength and Voltage Polarity Control** *ACS Nano*
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- **Design of phase-transition molecular solar thermal energy storage compounds: compact molecules with high energy densities** *Chemical Communications*
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- **Solar energy conversion and storage by photoswitchable organic materials in solution, liquid, solid, and changing phases** *Journal of Materials Chemistry C*
  Qiu, Q., Shi, Y., Han, G. D.
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- **Sunlight-activated phase change materials for controlled heat storage and triggered release** *Journal of Materials Chemistry A*
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- **Arylazopyrazoles for Long-Term Thermal Energy Storage and Optically Triggered Heat Release below 0 degrees C** *Journal of the American Chemical Society*
  Gerkman, M. A., Gibson, R. L., Calbo, J., Shi, Y., Fuchter, M. J., Han, G. D.
  2020; 142 (19): 8688-8695