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STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Chirality amplification in semiconductors for advanced optoelectronics.** *Chemical Society reviews*
Ahn, J., Choi, W., Lee, S. H., Park, J., Kim, S., Song, I., Oh, J. H.
2025
- **High-performance flexible circularly polarized light photodetectors based on chiral n-type naphthalenediimide-bithiophene polymers** *NPJ FLEXIBLE ELECTRONICS*
Gao, K., Kim, S., Zhao, W., Ye, X., Wang, P., Liu, L., Ahn, J., Zhuo, H., Li, Z., Wang, Z., Chang, G., Ma, W., Zhang, et al
2025; 9 (1)
- **Circularly Polarized Light-Responsive Flexible Synapses Based on Supramolecular n-Type Chiral Organic Single Crystal/p-Type Polymer Heterojunctions.** *ACS nano*
Kim, B., Ahn, J., Gao, K., Shang, X., Oh, J. H.
2025
- **Nearly 50-50 Face-on to Edge-on Crystallites in Regioisomeric Polymers Based on *n*-Type Thienylvinyl-1,1-dicyanomethylene-3-indanone for High Electron Mobility** *ACS APPLIED MATERIALS & INTERFACES*
Lee, S., Lee, S., Jeong, S., Ahn, J., Yang, S., Jeong, S., Cho, Y., Oh, J., Yang, C.
2025; 17 (27): 39366-39374
- **Stable Open-Shell Conjugated Terpolymer with Extended NIR Absorption for Organic Photodetectors Detecting Beyond 1000 nm** *ACS APPLIED MATERIALS & INTERFACES*
Jeong, M., Lee, S., Won, Y., Ahn, J., Kim, M., Oh, J.
2025: 25591-25601
- **Enhancing optoelectronic performance of organic phototransistors through surface doping of tetra-bromo perylene diimide single crystals** *JOURNAL OF MATERIALS CHEMISTRY C*
Zhuo, H., Cho, Y., Gao, K., Wang, Z., Li, Z., Chu, X., Cui, T., Choi, W., Chang, G., Ahn, J., Shang, X., Oh, J.
2025; 13 (16): 8077-8083
- **Helical donor-acceptor bulk heterojunctions for dissymmetric circularly polarized light detection** *CHEMICAL ENGINEERING JOURNAL*
Song, I., Ahn, J., Lee, S., Lee, S., Kim, S., Cho, Y., Oh, J.
2025; 505