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Publications

PUBLICATIONS

- **Atomic-Scale Moiré and Electronic Structure Analysis of Twisted Epitaxial MoS₂-Au-MoS₂ Heterostructures.** *Nano letters*
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- **Giant Plasmon-Exciton Coupling in Small Plasmonic Nanoparticles from an Ab Initio GW-BSE Approach.** *Nano letters*
Simmerman, E. M., Altman, A. R., da Jornada, F. H.
2026
- **Ab initio mechanisms and design principles for photodesorption from TiO₂** *NPJ COMPUTATIONAL MATERIALS*
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- **Advancing Quantum Many-Body GW Calculations on Exascale Supercomputing Platforms**
Zhang, B., Weinberg, D., Hsu, C., Altman, A. R., Shi, Y., White, J. B., Vigil-Fowler, D., Louie, S. G., Deslippe, J. R., da Jornada, F. H., Li, Z., Del Ben, M., ACM
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- **Mixed Stochastic-Deterministic Approach for Many-Body Perturbation Theory Calculations.** *Physical review letters*
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- **Identifying Hidden Intracell Symmetries in Molecular Crystals and Their Impact for Multiexciton Generation.** *The journal of physical chemistry letters*
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- **Charge-spin interconversion in epitaxial Pt probed by spin-orbit torques in a magnetic insulator** *PHYSICAL REVIEW MATERIALS*
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2020; 116 (14)
- **Ultrathin interfacial layer with suppressed room temperature magnetization in magnesium aluminum ferrite thin films** *APPLIED PHYSICS LETTERS*
Wisser, J. J., Emori, S., Riddiford, L., Altman, A., Li, P., Mahalingam, K., Urwin, B. T., Howe, B. M., Page, M. R., Grutter, A. J., Kirby, B. J., Suzuki, Y.
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