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Colloidal quantum dot field-effect transistors

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List of publications

1. Huisman, E. H., Shulga, A. G., Zomer, P. J., Tombros, N., Bartesaghi, D., Bisri, S. Z., Loi, M. A., Koster, L. J. A. & van Wees, B. J. High Gain Hybrid Graphene–Organic Semiconductor Phototransistors. *ACS Appl. Mater. Interfaces* **7**, 11083–11088 (2015).
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3. Shulga, A. G., Derenskyi, V., Salazar-Rios, J. M., Dirin, D. N., Fritsch, M., Kovalenko, M. V., Scherf, U. & Loi, M. A. An All-Solution-Based Hybrid CMOS-Like Quantum Dot/Carbon Nanotube Inverter. *Adv. Mater.* **29**, 1701764 (2017).
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8. Shulga, A. G., Kahmann, S., Dirin, D. N., Graf, A., Zaumseil, J., Kovalenko, M. V. & Loi, M. A. Electroluminescence Generation in PbS Quantum Dot Light-Emitting Field-Effect Transistors with Solid-State Gating. *ACS Nano* **12**, 12805–12813 (2018).
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