

Publications with peer review process

1. Serpetzoglou, Efthymis; Konidakis, Ioannis; Maksudov, Temur; Panagiotopoulos, Apostolis, Kymakis, Emmanuel; Stratakis, Emmanuel

In-Situ Monitoring of the Charge Carrier Dynamics of CH₃NH₃PbI₃ Perovskite Crystallization Process.

In: Journal of Materials Chemistry C, 7, pp. 12170-12179, 2019.

2. Petrović, Miloš; Maksudov, Temur; Panagiotopoulos, Apostolis; Serpetzoglou, Efthymis; Konidakis, Ioannis; Stylianakis Minas M; Stratakis, Emmanuel; Kymakis, Emmanuel

Limitations of polymer-based hole transporting layer for application in planar inverted perovskite solar cells.

In: Nanoscale Advances, 1, pp. 3107-3118, 2019.

3. Konidakis, Ioannis; Skoulas, Evangelos; Papadopoulos, Antonis; Serpetzoglou, Efthymis; Margariti, Elena; Stratakis, Emmanuel

Erasable and rewritable laser-induced gratings on silver phosphate glass.

In: Applied Physics A, 124:839, 2018.

4. Konidakis, Ioannis; Maksudov, Temur; Serpetzoglou, Efthymis; Kakavelakis, George; Kymakis, Emmanuel; Stratakis, Emmanuel

Improved Charge Carrier Dynamics of CH₃NH₃PbI₃ Perovskite Films Synthesized by Means of Laser-Assisted Crystallization.

In: ACS Applied Energy Materials, 1, pp. 5101–5111, 2018.

5. Chochos, Christos L.; Singh, Ranbir; Gregoriou, Vasilis G; Kim, Min; Katsouras, Athanasios; Serpetzoglou, Efthymis; Konidakis, Ioannis; Stratakis, Emmanuel, Cho Kilwon; Avgeropoulos, Apostolos

Enhancement of the Power-Conversion Efficiency of Organic Solar Cells via Unveiling an Appropriate Rational Design Strategy in Indacenodithiophene-alt-quinoxaline π -Conjugated Polymers.

In: ACS Applied Materials and Interfaces, 10, pp. 10236–10245, 2018.

6. Squeo, Benedetta M.; Gregoriou, Vasilis G.; Han, Yang; Palma-Cando, Alex; Allard Sybille; Serpetzoglou, Efthymis; Konidakis, Ioannis; Stratakis, Emmanuel; Avgeropoulos, Apostolos; Anthopoulos, Thomas D.; Heeney, Martin; Scherf, Ullrich; Chochos, Christos L.

α,β -Unsubstituted meso-positioning thienyl BODIPY: a promising electron deficient building block for the development of near infrared (NIR) p-type donor–acceptor (D–A) conjugated polymers.

In: RSC Journal of Materials Chemistry C, 6, pp. 4030-4040, 2018.

7. Serpetzoglou, Efthymis; Konidakis, Ioannis; Kakavelakis, George; Maksudov,

Temur; Kymakis, Emmanuel; Stratakis Emmanuel

Improved Carrier Transport in Perovskite Solar Cells Probed by Femtosecond Transient Absorption Spectroscopy.

In: ACS Applied Materials and Interfaces, 9, pp. 43910–43919, 2017.

8. Chochos, Christos L.; Leclerc, Nicolas; Gasparini, Nicola; Zimmerman, Nicolas; Tatsi, Elisavet; Katsouras, Athanasios; Moschovas, Dimitrios; Serpetzoglou, Efthymis; Konidakis, Ioannis; Fall, Sadiara; Le´veˆque, Patrick; Heiser, Thomas; Spanos, Michael; Gregoriou, Vasilis G.; Stratakis, Emmanuel; Ameri, Tayebah; Brabec, Christoph J.; Avgeropoulos, Apostolos

The role of chemical structure in indacenodithienothiophene-alt-benzothiadiazole copolymers for high performance organic solar cells with improved photo-stability through minimization of burn-in loss.

In: Journal of Material Chemistry A, 5, pp. 25064-25076, 2017.

9. Boutopoulos, Christos; Kalpyris, Ioannis; Serpetzoglou, Efthymis; Zergioti, Ioanna

Laser –Induced forward transfer of silver nanoparticle ink: Time-resolved imaging of the jetting dynamics and correlation with the printing quality

In: Microfluidics and Nanofluidics, 16, pp. 3493–500, 2014.