

Mateusz Dyksik

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

363
citations

932766

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20
docs citations

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times ranked

434
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Interlayer excitons in MoSe ₂ /2D perovskite hybrid heterostructures – the interplay between charge and energy transfer. <i>Nanoscale</i> , 2022, 14, 8085-8095. | 2.8 | 11 |
| 2 | Quantification of Exciton Fine Structure Splitting in a Two-Dimensional Perovskite Compound. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4463-4469. | 2.1 | 20 |
| 3 | Tuning the Excitonic Properties of the 2D (PEA) ₂ (MA) _{n-1} Pb _n I _{3n+1} Perovskite Family via Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1638-1643. | 2.1 | 49 |
| 4 | Manganese doping for enhanced magnetic brightening and circular polarization control of dark excitons in paramagnetic layered hybrid metal-halide perovskites. <i>Nature Communications</i> , 2021, 12, 3489. | 5.8 | 38 |
| 5 | Nonradiative Energy Transfer and Selective Charge Transfer in a WS ₂ (PEA) ₂ Pb ₄ Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33677-33684. | 4.0 | 10 |
| 6 | Photophysics of Two-Dimensional Perovskites – Learning from Metal Halide Substitution. <i>Advanced Functional Materials</i> , 2021, 31, 2103778. | 7.8 | 41 |
| 7 | Brightening of dark excitons in 2D perovskites. <i>Science Advances</i> , 2021, 7, eabk0904. | 4.7 | 34 |
| 8 | Microscopic Picture of Electron-Phonon Interaction in Two-Dimensional Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9975-9982. | 2.1 | 16 |
| 9 | Broad Tunability of Carrier Effective Masses in Two-Dimensional Halide Perovskites. <i>ACS Energy Letters</i> , 2020, 5, 3609-3616. | 8.8 | 54 |
| 10 | Revealing Excitonic Phonon Coupling in (PEA) ₂ (MA) _{n-1} Pb _n I _{3n+1} 2D Layered Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5830-5835. | 2.1 | 47 |
| 11 | Influence of oversized cations on electronic dimensionality of d-MAPbI ₃ crystals. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7928-7934. | 2.7 | 1 |
| 12 | Features of carrier confinement in InAsSb(P) alloys and quantum wells for room-temperature operating mid-infrared emitters. <i>Applied Physics Express</i> , 2019, 12, 115504. | 1.1 | 0 |
| 13 | Electrical tuning of the oscillator strength in type II InAs/GaInSb quantum wells for active region of passively mode-locked interband cascade lasers. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 110301. | 0.8 | 7 |
| 14 | Non-destructive carrier concentration determination in InAs thin films for THz radiation generating devices using fast differential reflectance spectroscopy. <i>Optical and Quantum Electronics</i> , 2016, 48, 1. | 1.5 | 4 |
| 15 | Submonolayer Uniformity of Type II InAs/GaInSb W-shaped Quantum Wells Probed by Full-Wafer Photoluminescence Mapping in the Mid-infrared Spectral Range. <i>Nanoscale Research Letters</i> , 2015, 10, 402. | 3.1 | 7 |
| 16 | Interface Intermixing in Type II InAs/GaInAsSb Quantum Wells Designed for Active Regions of Mid-Infrared-Emitting Interband Cascade Lasers. <i>Nanoscale Research Letters</i> , 2015, 10, 471. | 3.1 | 9 |
| 17 | Investigation of a near mid-gap trap energy level in mid-wavelength infrared InAs/GaSb type-II superlattices. <i>Semiconductor Science and Technology</i> , 2015, 30, 115004. | 1.0 | 15 |
| 18 | Optical characterization of type II quantum wells for long-wavelength mid-infrared interband cascade lasers. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | Magneto-spectroscopy studies provide direct evidence for the coupling of excitons to organic ligand vibrations in 2D RP perovskites. , 0, , . | | 0 |
| 20 | Mechanism of Electronic Coupling in Hybrid Transition Metal Dichalcogenide-2D Perovskite Heterostructures. , 0, , . | | 0 |