

Lukas RogÅ©e

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

447
citations

1163117

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515
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Impurity-Induced Robust Trionic Effect in Layered Violet Phosphorus. <i>Advanced Optical Materials</i> , 2022, 10, 2101538. | 7.3 | 22 |
| 2 | Unlocking surface octahedral tilt in two-dimensional Ruddlesden-Popper perovskites. <i>Nature Communications</i> , 2022, 13, 138. | 12.8 | 42 |
| 3 | Review on optofluidic microreactors for photocatalysis. <i>Reviews in Chemical Engineering</i> , 2022, . | 4.4 | 1 |
| 4 | Ferroelectricity in untwisted heterobilayers of transition metal dichalcogenides. <i>Science</i> , 2022, 376, 973-978. | 12.6 | 105 |
| 5 | Highly sensitive solar-blind deep ultraviolet photodetector based on graphene/PtSe ₂ /Ga ₂ O ₃ 2D/3D Schottky junction with ultrafast speed. <i>Nano Research</i> , 2021, 14, 1973-1979. | 10.4 | 152 |
| 6 | Photoresponse of wafer-scale palladium diselenide films prepared by selenization method. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 065102. | 2.8 | 10 |
| 7 | Facile synthesis of AgBiS ₂ nanocrystals for high responsivity infrared detectors. <i>RSC Advances</i> , 2018, 8, 39203-39207. | 3.6 | 16 |
| 8 | Enhancement of photo-electrochemical reactions in MAPbI ₃ /Au. <i>Materials Today Energy</i> , 2018, 9, 303-310. | 4.7 | 7 |
| 9 | <i>In situ</i> observation of the thermal stability of black phosphorus. <i>2D Materials</i> , 2017, 4, 025001. | 4.4 | 42 |
| 10 | Functionalization of graphene quantum dots by fluorine: Preparation, properties, application, and their mechanisms. <i>Applied Physics Letters</i> , 2017, 110, . | 3.3 | 43 |
| 11 | Tellurium quantum dots: Preparation and optical properties. <i>Applied Physics Letters</i> , 2017, 111, . | 3.3 | 7 |