

Meng-Yen Tsai

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

716
citations

840119

11
h-index

940134

16
g-index

16
all docs

16
docs citations

16
times ranked

1834
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Controlled Doping of Large-Area Trilayer MoS ₂ with Molecular Reductants and Oxidants. <i>Advanced Materials</i> , 2015, 27, 1175-1181. | 11.1 | 183 |
| 2 | Flexible MoS ₂ Field-Effect Transistors for Gate-Tunable Piezoresistive Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12850-12855. | 4.0 | 127 |
| 3 | Highly Uniform Trilayer Molybdenum Disulfide for Wafer-Scale Device Fabrication. <i>Advanced Functional Materials</i> , 2014, 24, 6389-6400. | 7.8 | 99 |
| 4 | A potentiometric biosensor for rapid on-site disease diagnostics. <i>Biosensors and Bioelectronics</i> , 2016, 79, 669-678. | 5.3 | 81 |
| 5 | Field-effect transistors based on wafer-scale, highly uniform few-layer p-type WSe ₂ . <i>Nanoscale</i> , 2016, 8, 2268-2276. | 2.8 | 58 |
| 6 | Gold-coated graphene field-effect transistors for quantitative analysis of protein-antibody interactions. <i>2D Materials</i> , 2015, 2, 044008. | 2.0 | 32 |
| 7 | Resonant Light-Induced Heating in Hybrid Cavity-Coupled 2D Transition-Metal Dichalcogenides. <i>ACS Photonics</i> , 2016, 3, 700-707. | 3.2 | 27 |
| 8 | Solution-Processed Doping of Trilayer WSe ₂ with Redox-Active Molecules. <i>Chemistry of Materials</i> , 2017, 29, 7296-7304. | 3.2 | 25 |
| 9 | Graphene-Molybdenum Disulfide-Graphene Tunneling Junctions with Large-Area Synthesized Materials. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8702-8709. | 4.0 | 16 |
| 10 | Direct correlation between potentiometric and impedance biosensing of antibody-antigen interactions using an integrated system. <i>Applied Physics Letters</i> , 2017, 111, . | 1.5 | 14 |
| 11 | Synthesis and Photoluminescence of Amorphous Ca ₅ Ge ₂ O ₉ Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6376-6380. | 0.9 | 11 |
| 12 | Surface effects on the photoluminescence of Si quantum dots. <i>Journal of Nanoparticle Research</i> , 2009, 11, 569-574. | 0.8 | 11 |
| 13 | Lithium-Induced Defect Levels in ZnO Nanoparticles To Facilitate Electron Transport in Inverted Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15035-15041. | 1.5 | 11 |
| 14 | Synergistic Amplification of Short-Circuit Current for Organic Solar Cells via Modulation of P3HT:PCBM Spatial Distribution with Solvent Treatment. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14472-14478. | 1.5 | 10 |
| 15 | Preblocking Procedure to Mitigate Nonselective Protein Adsorption for Carboxyl-SAMs Used in Biosensing. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16778-16786. | 1.5 | 7 |
| 16 | Improving performance of inverted organic solar cells using ZTO nanoparticles as cathode buffer layer. <i>Solid-State Electronics</i> , 2016, 120, 56-62. | 0.8 | 4 |