

Jeremy R Dunklin

List of Publications by Year in descending order

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532
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Plasmonic Hot Hole Transfer in Gold Nanoparticle-Decorated Transition Metal Dichalcogenide Nanosheets. ACS Photonics, 2020, 7, 197-202. | 6.6 | 21 |
| 2 | Measuring Photoexcited Free Charge Carriers in Mono- to Few-Layer Transition-Metal Dichalcogenides with Steady-State Microwave Conductivity. Journal of Physical Chemistry Letters, 2020, 11, 99-107. | 4.6 | 11 |
| 3 | Dispersion of the nonlinear susceptibility of MoS_2 from second-harmonic scattering spectroscopy. Physical Review B, 2020, 102. | 3.2 | 6 |
| 4 | Plasmon-Mediated Coherent Superposition of Discrete Excitons under Strong Exciton-Plasmon Coupling in Few-Layer MoS_2 at Room Temperature. ACS Photonics, 2020, 7, 1129-1134. | 6.6 | 15 |
| 5 | Disentangling oxygen and water vapor effects on optoelectronic properties of monolayer tungsten disulfide. Nanoscale, 2020, 12, 8344-8354. | 5.6 | 11 |
| 6 | Unique interfacial thermodynamics of few-layer 2D MoS_2 for (photo)electrochemical catalysis. Energy and Environmental Science, 2019, 12, 1648-1656. | 30.8 | 25 |
| 7 | Monolayer-enriched production of Au-decorated WS_2 Nanosheets via Defect Engineering. MRS Advances, 2018, 3, 2435-2440. | 0.9 | 3 |
| 8 | Dynamics of Photocatalytic Hydrogen Production in Aqueous Dispersions of Monolayer-Rich Tungsten Disulfide. ACS Energy Letters, 2018, 3, 2223-2229. | 17.4 | 26 |
| 9 | Effects of geometry and composition of soft polymer films embedded with nanoparticles on rates for optothermal heat dissipation. Nanoscale, 2018, 10, 11531-11543. | 5.6 | 9 |
| 10 | Plasmonic extinction in gold nanoparticle-polymer films as film thickness and nanoparticle separation decrease below resonant wavelength. Journal of Nanophotonics, 2017, 11, 016002. | 1.0 | 13 |
| 11 | Gold nanoparticles physicochemically bonded onto tungsten disulfide nanosheet edges exhibit augmented plasmon damping. AIP Advances, 2017, 7, . | 1.3 | 15 |
| 12 | Production of monolayer-rich gold-decorated 2H-WS_2 nanosheets by defect engineering. Npj 2D Materials and Applications, 2017, 1, . | 7.9 | 22 |
| 13 | Thermoplasmonic dissipation in gold nanoparticle-polyvinylpyrrolidone thin films. RSC Advances, 2017, 7, 56463-56470. | 3.6 | 11 |
| 14 | Nonlinear optical susceptibility of two-dimensional WS_2 measured by hyper Rayleigh scattering. Optics Letters, 2017, 42, 5018. | 3.3 | 12 |
| 15 | Heat Dissipation of Resonant Absorption in Metal Nanoparticle-Polymer Films Described at Particle Separation Near Resonant Wavelength. Journal of Nanomaterials, 2017, 2017, 1-9. | 2.7 | 4 |
| 16 | Plasmon optics and thermal dissipation in nanocomposite thin films. Materials Research Society Symposia Proceedings, 2015, 1788, 23-28. | 0.1 | 1 |
| 17 | The unusual visible photothermal response of free standing multilayered films based on plasmonic bimetallic nanocages. RSC Advances, 2015, 5, 15719-15727. | 3.6 | 9 |
| 18 | Thermal Dynamics of Plasmonic Nanoparticle Composites. Journal of Physical Chemistry C, 2015, 119, 10550-10557. | 3.1 | 13 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Gold nanoparticle-polydimethylsiloxane films reflect light internally by optical diffraction and Mie scattering. <i>Materials Research Express</i> , 2015, 2, 085005. | 1.6 | 13 |
| 20 | Geometric optics of gold nanoparticle-polydimethylsiloxane thin film systems. <i>Optical Materials Express</i> , 2014, 4, 375. | 3.0 | 11 |
| 21 | Gold Nanoparticle-Polydimethylsiloxane Thin Films Enhance Thermoplasmonic Dissipation by Internal Reflection. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7523-7531. | 3.1 | 24 |
| 22 | Asymmetric Reduction of Gold Nanoparticles into Thermoplasmonic Polydimethylsiloxane Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8457-8466. | 8.0 | 27 |