

Jeremy R Dunklin

List of Publications by Year in descending order

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532
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#	ARTICLE	IF	CITATIONS
1	Asymmetric Reduction of Gold Nanoparticles into Thermoplasmonic Polydimethylsiloxane Thin Films. ACS Applied Materials & Interfaces, 2013, 5, 8457-8466.	8.0	27
2	Dynamics of Photocatalytic Hydrogen Production in Aqueous Dispersions of Monolayer-Rich Tungsten Disulfide. ACS Energy Letters, 2018, 3, 2223-2229.	17.4	26
3	Unique interfacial thermodynamics of few-layer 2D MoS ₂ for (photo)electrochemical catalysis. Energy and Environmental Science, 2019, 12, 1648-1656.	30.8	25
4	Gold Nanoparticle-Polydimethylsiloxane Thin Films Enhance Thermoplasmonic Dissipation by Internal Reflection. Journal of Physical Chemistry C, 2014, 118, 7523-7531.	3.1	24
5	Production of monolayer-rich gold-decorated 2H-WSe ₂ nanosheets by defect engineering. Npj 2D Materials and Applications, 2017, 1, .	7.9	22
6	Plasmonic Hot Hole Transfer in Gold Nanoparticle-Decorated Transition Metal Dichalcogenide Nanosheets. ACS Photonics, 2020, 7, 197-202.	6.6	21
7	Gold nanoparticles physicochemically bonded onto tungsten disulfide nanosheet edges exhibit augmented plasmon damping. AIP Advances, 2017, 7, .	1.3	15
8	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
9	Thermal Dynamics of Plasmonic Nanoparticle Composites. Journal of Physical Chemistry C, 2015, 119, 10550-10557.	3.1	13
10	Gold nanoparticle-polydimethylsiloxane films reflect light internally by optical diffraction and Mie scattering. Materials Research Express, 2015, 2, 085005.	1.6	13
11	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
12	Nonlinear optical susceptibility of two-dimensional WS ₂ measured by hyper Rayleigh scattering. Optics Letters, 2017, 42, 5018.	3.3	12
13	Geometric optics of gold nanoparticle-polydimethylsiloxane thin film systems. Optical Materials Express, 2014, 4, 375.	3.0	11
14	Thermoplasmonic dissipation in gold nanoparticle-polyvinylpyrrolidone thin films. RSC Advances, 2017, 7, 56463-56470.	3.6	11
15	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
16	Disentangling oxygen and water vapor effects on optoelectronic properties of monolayer tungsten disulfide. Nanoscale, 2020, 12, 8344-8354.	5.6	11
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	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

#	ARTICLE	IF	CITATIONS
19	Dispersion of the nonlinear susceptibility of MoS_2 and WS_2 from second-harmonic scattering spectroscopy. <i>Physical Review B</i> , 2020, 102, .	3.2	6
20	Heat Dissipation of Resonant Absorption in Metal Nanoparticle-Polymer Films Described at Particle Separation Near Resonant Wavelength. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9.	2.7	4
21	Monolayer-enriched production of Au-decorated WS_2 Nanosheets via Defect Engineering. <i>MRS Advances</i> , 2018, 3, 2435-2440.	0.9	3
22	Plasmon optics and thermal dissipation in nanocomposite thin films. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1788, 23-28.	0.1	1