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Publications

PUBLICATIONS

- **In Situ Investigation of Ultrafast Dynamics of Hot Electron-Driven Photocatalysis in Plasmon-Resonant Grating Structures** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
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- **Voltage-induced modulation in the charge state of Si-vacancy defects in diamond using high voltage nanosecond pulses** *APPLIED PHYSICS LETTERS*
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- **Monitoring Reaction Intermediates in Plasma-Driven SO₂, NO, and NO₂ Remediation Chemistry Using In Situ SERS Spectroscopy** *ANALYTICAL CHEMISTRY*
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- **Enhanced Plasma Generation from Metal Nanostructures via Photoexcited Hot Electrons** *JOURNAL OF PHYSICAL CHEMISTRY C*
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- **Enhanced Low-Temperature Thermoelectric Performance in (PbSe)(1+delta)(VSe2)(1) Heterostructures due to Highly Correlated Electrons in Charge Density Waves** *NANO LETTERS*
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2020; 20 (11): 8008-8014

• **Monitoring Local Electric Fields using Stark Shifts on Naphthyl Nitrile-Functionalized Silicon Photoelectrodes** *JOURNAL OF PHYSICAL CHEMISTRY C*

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• **Hot Electron Driven Photocatalysis on Plasmon-Resonant Grating Nanostructures** *ACS APPLIED MATERIALS & INTERFACES*

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