# Dana D Dlott

List of Publications by Year
in descending order



| 272 | 10,895 | 34493 54 | 49824 91 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 276 | 276 | 276 | 8115 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Shock Pressure Dependence of Hot Spots in a Model Plastic-Bonded Explosive. Journal of Physical Chemistry A, 2022, 126, 145-154. | 1.1 | 8 |
| 2 | Comparing the shock sensitivity of insensitive energetic materials. Journal of Applied Physics, 2022, 131, . | 1.1 | 7 |
| 3 | Thermo-mechanical behavior measurement of polymer-bonded sugar under shock compression using in-situ time-resolved Raman spectroscopy. Scientific Reports, 2022, 12, 1876. | 1.6 | 2 |
| 4 | High throughput tabletop shock techniques and measurements. Journal of Applied Physics, 2022, 131, . | 1.1 | 9 |
| 5 | Laser pulses into bullets: tabletop shock experiments. Physical Chemistry Chemical Physics, 2022, 24, 10653-10666. | 1.3 | 4 |
| 6 | Hot spot ignition and growth from tandem micro-scale simulations and experiments on plastic-bonded explosives. Journal of Applied Physics, 2022, 131, . | 1.1 | 12 |
| 7 | Shock-induced kinetics and cellular structures of liquid nitromethane detonation. Combustion and Flame, 2021, 225, 5-12. | 2.8 | 13 |
| 8 | Fast energy release from reactive materials under shock compression. Applied Physics Letters, 2021, 118, 101902. | 1.5 | 4 |
| 9 | Laser-driven flyer plate impact: Computational studies guided by experiments. Journal of Applied Physics, 2021, 129, . | 1.1 | 8 |
| 10 | Ethylenediamine Catalyzes Nitromethane Shock-to-Detonation in Two Distinct Ways. Journal of Physical Chemistry B, 2021, 125, 8185-8192. | 1.2 | 7 |
| 11 | Hot Spot Chemistry in Several Polymerâ€Bound Explosives under Nanosecond Shock Conditions. Propellants, Explosives, Pyrotechnics, 2020, 45, 338-346. | 1.0 | 12 |
| 12 | Mechanochemistry of Metalâ€“Organic Frameworks under Pressure and Shock. Accounts of Chemical Research, 2020, 53, 2806-2815. | 7.6 | 20 |
| 13 | Shock initiation and hot spots in plastic-bonded 1,3,5-triamino-2,4,6-trinitrobenzene (TATB). Applied Physics Letters, 2020, 116, . | 1.5 | 22 |
| 14 | Shock Initiation Microscopy with High Time and Space Resolution. Propellants, Explosives, Pyrotechnics, 2020, 45, 223-235. | 1.0 | 34 |
| 15 | Observing Hot Spot Formation in Individual Explosive Crystals Under Shock Compression. Journal of Physical Chemistry A, 2020, 124, 4646-4653. | 1.1 | 40 |
| 16 | Shock initiation of reactive nanolaminates. AIP Conference Proceedings, 2020, , . | 0.3 | 3 |
| 17 | Imaging the reactive flow structure in shocked nitromethane and nitromethane with additives. AIP Conference Proceedings, 2020, , . | 0.3 | 3 |
| 18 | Shock compression microscopy: Shocked materials with high time and space resolution. AIP Conference Proceedings, 2020, , . | 0.3 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Computational studies of laser-driven flyer impact experiments to probe properties of inert and energetic materials. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 20 | Shock compression dynamics of PETN/TATB explosive charges. AIP Conference Proceedings, 2020, , . | 0.3 | 4 |
| 21 | Pyrometry in the reaction zone of PETN- and RDX-based polymer bound explosives. AIP Conference Proceedings, 2020, , . | 0.3 | 1 |
| 22 | Probing shock-initiation of plastic-bonded explosives with a tabletop microscope. AIP Conference Proceedings, 2020, , . | 0.3 | 3 |
| 23 | Tracking temperatures and growth of hot spots in a simplified plastic-bonded explosive under shock compression. AIP Conference Proceedings, 2020, , . | 0.3 | 3 |
| 24 | Absorption of shock wave in the crystal films of metal-organic framework. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 25 | Examination of Local Microscale-Microsecond Temperature Rise in HMX-HTPB Energetic Material Under Impact Loading. Jom, 2019, 71, 3531-3535. | 0.9 | 7 |
| 26 | Shock Wave Energy Absorption in Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 2220-2223. | 6.6 | 69 |
| 27 | Hot-spot generation and growth in shocked plastic-bonded explosives studied by optical pyrometry. Journal of Applied Physics, 2019, 125, . | 1.1 | 26 |
| 28 | Dynamic absorption in optical pyrometry of hot spots in plastic-bonded triaminotrinitrobenzene. Applied Physics Letters, 2019, 114, . | 1.5 | 19 |
| 29 | Shock Compression Spectroscopy Under a Microscope. , 2019, , 45-56. | | 5 |
| 30 | Molecular Photophysics under Shock Compression: Ab Initio Nonadiabatic Molecular Dynamics of Rhodamine Dye. Journal of Physical Chemistry C, 2018, 122, 13600-13607. | 1.5 | 4 |
| 31 | Numerical predictions of shock propagation through unreactive and reactive liquids with experimental validation. AIP Conference Proceedings, 2018, , . | 0.3 | 3 |
| 32 | Optical windows as materials for high-speed shock wave detectors. AIP Advances, 2018, 8, . | 0.6 | 30 |
| 33 | Drop hammer with high-speed thermal imaging. Review of Scientific Instruments, 2018, 89, 115104. | 0.6 | 15 |
| 34 | Shock compression spectroscopy of quantum dots. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 35 | Studies in shocked nitromethane through high dynamic range spectroscopy. AIP Conference Proceedings, 2018, , . | 0.3 | 6 |
| 36 | Shock wave dissipation by metal organic framework. AIP Conference Proceedings, 2018, , . | 0.3 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Molecular probing of shocked rhodamine 6G in liquid water. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 38 | Laser driven flyers for investigations of shock initiation of explosives. AIP Conference Proceedings, 2018, , . | 0.3 | 4 |
| 39 | High throughput investigation of shocked reactive nanolaminates. AIP Conference Proceedings, 2018, , . | 0.3 | 2 |
| 40 | Detonation on a tabletop: Nitromethane with high time and space resolution. Journal of Applied Physics, 2018, 124, . | 1.1 | 35 |
| 41 | Thermal Explosions of Polymer-Bonded Explosives with High Time and Space Resolution. Journal of Physical Chemistry C, 2018, 122, 14289-14295. | 1.5 | 12 |
| 42 | Vibrational sum-frequency generation study of the CO2 electrochemical reduction at Pt/EMIM-BF4 solid/liquid interfaces. Journal of Electroanalytical Chemistry, 2017, 800, 144-150. | 1.9 | 36 |
| 43 | Studies of electrochemical interfaces by broadband sum frequency generation. Journal of Electroanalytical Chemistry, 2017, 800, 114-125. | 1.9 | 51 |
| 44 | Time-dependent pressure distribution in microstructured shocked materials using fluorescent dye probes. AIP Conference Proceedings, 2017, , . | 0.3 | 2 |
| 45 | Ultrafast Proton Transfer in Polymer Blends Triggered by Shock Waves. Journal of the American Chemical Society, 2017, 139, 3974-3977. | 6.6 | 13 |
| 46 | Shock compression dynamics under a microscope. AIP Conference Proceedings, 2017, , . | 0.3 | 14 |
| 47 | Mechanochemistry for shock wave energy dissipation. AIP Conference Proceedings, 2017, , . | 0.3 | 12 |
| 48 | Shock Wave Chemistry in a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2017, 139, 4619-4622. | 6.6 | 80 |
| 49 | Shock initiation of nano-Al/Teflon: High dynamic range pyrometry measurements. Journal of Applied Physics, 2017, 121, . | 1.1 | 15 |
| 50 | Effects of water on low-overpotential CO<sub>2</sub> reduction in ionic liquid studied by sum-frequency generation spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 10491-10501. | 1.3 | 35 |
| 51 | Shock initiation of explosives: High temperature hot spots explained. Applied Physics Letters, 2017, 111, . | 1.5 | 68 |
| 52 | Fluorescent probes for shock compression spectroscopy of microstructured materials. AIP Conference Proceedings, 2017, , . | 0.3 | 1 |
| 53 | Fluorescence depolarization measurements under shock compression. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 54 | 32-channel pyrometer with high dynamic range for studies of shocked nanothermites. AIP Conference Proceedings, 2017, , . | 0.3 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Laser-excited optical emission response of CdTe quantum dot/polymer nanocomposite under shock compression. Applied Physics Letters, 2016, 108, . | 1.5 | 16 |
| 56 | Multichannel emission spectrometer for high dynamic range optical pyrometry of shock-driven materials. Review of Scientific Instruments, 2016, 87, 103107. | 0.6 | 44 |
| 57 | High dynamic range emission measurements of shocked energetic materials: Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX). Journal of Applied Physics, 2016, 119, . | 1.1 | 34 |
| 58 | Shock initiation of explosives: Temperature spikes and growth spurts. Applied Physics Letters, 2016, 109, . | 1.5 | 40 |
| 59 | High-Speed Laser-Launched Flyer Impacts Studied with Ultrafast Photography and Velocimetry. Journal of Dynamic Behavior of Materials, 2016, 2, 194-206. | 1.1 | 57 |
| 60 | Exploration of CdTe quantum dots as mesoscale pressure sensors via time-resolved shock-compression photoluminescent emission spectroscopy. Journal of Applied Physics, 2016, 120, . | 1.1 | 17 |
| 61 | Single Molecules under High Pressure. Journal of Physical Chemistry C, 2015, 119, 6373-6381. | 1.5 | 16 |
| 62 | Structural Transition in an Ionic Liquid Controls CO<sub>2</sub> Electrochemical Reduction. Journal of Physical Chemistry C, 2015, 119, 20892-20899. | 1.5 | 78 |
| 63 | Interfacial Processes of a Model Lithium Ion Battery Anode Observed, in Situ, with Vibrational Sum-Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 10227-10233. | 1.5 | 58 |
| 64 | Ultrasonic hammer produces hot spots in solids. Nature Communications, 2015, 6, 6581. | 5.8 | 83 |
| 65 | Emission Lifetimes of a Fluorescent Dye under Shock Compression. Journal of Physical Chemistry A, 2015, 119, 10910-10916. | 1.1 | 11 |
| 66 | Interrogating a Deeply Buried Electrode by Vibrational Sum Frequency Spectroscopy. Towards Understanding the Electroreduction at Ionic Liquid-Metal Interfaces. ECS Transactions, 2015, 66, 21-31. | 0.3 | 2 |
| 67 | Dynamics of shocks in laser-launched flyer plates probed by photon Doppler velocimetry. Journal of Physics: Conference Series, 2014, 500, 192002. | 0.3 | 4 |
| 68 | Using laser-driven flyer plates to study the shock initiation of nanoenergetic materials. Journal of Physics: Conference Series, 2014, 500, 182010. | 0.3 | 7 |
| 69 | Bright emissive core-shell spherical microparticles for shock compression spectroscopy. Journal of Applied Physics, 2014, 116, . | 1.1 | 11 |
| 70 | Dynamics of polymer response to nanosecond shock compression. Applied Physics Letters, 2014, 104, 101914. | 1.5 | 22 |
| 71 | Ultrafast pressure-sensitive paint for shock compression spectroscopy. Journal of Applied Physics, 2014, 115, . | 1.1 | 17 |
| 72 | Hot spots in energetic materials generated by infrared and ultrasound, detected by thermal imaging microscopy. Review of Scientific Instruments, 2014, 85, 023705. | 0.6 | 44 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Picosecond dynamics of hydrogen bond rearrangements during phase separation of a triethylamine and water mixture. Photochemical and Photobiological Sciences, 2014, 13, 891-897. | 1.6 | 6 |
| 74 | Ignition of Nanocomposite Thermites by Electric Spark and Shock Wave. Propellants, Explosives, Pyrotechnics, 2014, 39, 444-453. | 1.0 | 20 |
| 75 | Laser-driven flyer plates for shock compression science: Launch and target impact probed by photon Doppler velocimetry. Review of Scientific Instruments, 2014, 85, 043908. | 0.6 | 92 |
| 76 | Modifying Vibrational Energy Flow in Aromatic Molecules: Effects of Ortho Substitution. Journal of Physical Chemistry A, 2014, 118, 965-973. | 1.1 | 31 |
| 77 | Hot spot generation in energetic materials created by long-wavelength infrared radiation. Applied Physics Letters, 2014, 104, . | 1.5 | 25 |
| 78 | Temperature-Dependent Dynamic Response to Flash Heating of Molecular Monolayers on Metal Surfaces: Vibrational Energy Exchange. Journal of Physical Chemistry B, 2014, 118, 7770-7776. | 1.2 | 6 |
| 79 | Laser-driven flyer plates for shock compression spectroscopy. Journal of Physics: Conference Series, 2014, 500, 142011. | 0.3 | 5 |
| 80 | Molecular adsorbates under high pressure: a study using surface-enhanced Raman scattering spectroscopy. Journal of Physics: Conference Series, 2014, 500, 122004. | 0.3 | 3 |
| 81 | Picosecond dynamics of shock compressed and flash-heated nanometer thick films of Î´-HMX. Journal of Physics: Conference Series, 2014, 500, 142004. | 0.3 | 3 |
| 82 | Controlling Vibrational Energy Flow in Liquid Alkylbenzenes. Journal of Physical Chemistry B, 2013, 117, 10898-10904. | 1.2 | 34 |
| 83 | Shock Initiation of Nano-Al + Teflon: Time-Resolved Emission Studies. Journal of Physical Chemistry C, 2013, 117, 4866-4875. | 1.5 | 39 |
| 84 | Three-Dimensional Spectroscopy of Vibrational Energy in Liquids: Nitromethane and Acetonitrile. Journal of Physical Chemistry B, 2013, 117, 15444-15451. | 1.2 | 12 |
| 85 | Unidirectional Vibrational Energy Flow in Nitrobenzene. Journal of Physical Chemistry A, 2013, 117, 6066-6072. | 1.1 | 46 |
| 86 | Probing of molecular adsorbates on Au surfaces with large-amplitude temperature jumps. Journal of Applied Physics, 2013, 113, 183509. | 1.1 | 7 |
| 87 | Nitro stretch probing of a single molecular layer to monitor shock compression with picosecond time resolution. AIP Conference Proceedings, 2012, , . | 0.3 | 2 |
| 88 | A thin-film hugoniot measurement using a laser-driven flyer plate. AIP Conference Proceedings, 2012, , . | 0.3 | 11 |
| 89 | Microscopic states of shocked polymers. AIP Conference Proceedings, 2012, , . | 0.3 | 4 |
| 90 | Time-resolved emission of dye probes in a shock-compressed polymer. Journal of Applied Physics, 2012, 112, 103508. | 1.1 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Simplified laser-driven flyer plates for shock compression science. Review of Scientific Instruments, 2012, 83, 103901. | 0.6 | 94 |
| 92 | Experiments Probing Fundamental Mechanisms of Energetic Material Initiation and Ignition. Materials Research Society Symposia Proceedings, 2012, 1405, . | 0.1 | 0 |
| 93 | Solid Electrolyte Interfaces and Interphases in Lithium Batteries: In Situ Studies Using Nonlinear Optical Probes. Materials Research Society Symposia Proceedings, 2012, 1388, 1. | 0.1 | 1 |
| 94 | In Situ Spectroscopic Examination of a Low Overpotential Pathway for Carbon Dioxide Conversion to Carbon Monoxide. Journal of Physical Chemistry C, 2012, 116, 15307-15312. | 1.5 | 230 |
| 95 | Comparing Boron and Aluminum Nanoparticle Combustion in Teflon Using Ultrafast Emission Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 2751-2760. | 1.5 | 26 |
| 96 | In Situ Probing of Solid-Electrolyte Interfaces with Nonlinear Coherent Vibrational Spectroscopy. Journal of the Electrochemical Society, 2012, 159, A244-A252. | 1.3 | 59 |
| 97 | Time-Resolved Spectroscopy of Initiation and Ignition of Flash-Heated Nanoparticle Energetic Materials. Journal of Physical Chemistry C, 2012, 116, 14737-14747. | 1.5 | 24 |
| 98 | The distributions of enhancement factors in closeâ€packed and noncloseâ€packed surfaceâ€enhanced Raman substrates. Journal of Raman Spectroscopy, 2012, 43, 389-395. | 1.2 | 11 |
| 99 | Effect of Carbon Chain Length on the Dynamics of Heat Transfer at a Gold/Hydrocarbon Interface: Comparison of Simulation with Experiment. Journal of Physical Chemistry C, 2011, 115, 9622-9628. | 1.5 | 21 |
| 100 | Study of Ethanol Electrooxidation in Alkaline Electrolytes with Isotope Labels and Sum-Frequency Generation. Journal of Physical Chemistry Letters, 2011, 2, 2236-2240. | 2.1 | 51 |
| 101 | Reaction pathways of ethanol electrooxidation on polycrystalline platinum catalysts in acidic electrolytes. Journal of Catalysis, 2011, 278, 181-188. | 3.1 | 132 |
| 102 | Ultrafast emission spectroscopy of exploding nanoaluminum in Teflon: Observations of aluminum fluoride. Chemical Physics Letters, 2011, 512, 211-216. | 1.2 | 12 |
| 103 | New Developments in the Physical Chemistry of Shock Compression. Annual Review of Physical Chemistry, 2011, 62, 575-597. | 4.8 | 75 |
| 104 | Vibrational spectroscopy of nitroaromatic self-assembled monolayers under extreme conditions. Chemical Physics Letters, 2011, 501, 369-374. | 1.2 | 10 |
| 105 | Simulation of the absorption spectra of nanometallic Al particles with coreâ€“shell structure: size-dependent interband transitions. Journal of Nanoparticle Research, 2010, 12, 777-787. | 0.8 | 15 |
| 106 | Compact broadband vibrational sum-frequency generation spectrometer with nonresonant suppression. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1289-1296. | 2.0 | 54 |
| 107 | Broad-band sum frequency generation study of formic acid chemisorption on a Pt (1 0 0) electrode. Journal of Electroanalytical Chemistry, 2010, 649, 32-36. | 1.9 | 18 |
| 108 | Sum-frequency generation of acetate adsorption on Au and Pt surfaces: Molecular structure effects. Journal of Chemical Physics, 2010, 133, 234702. | 1.2 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Ultrafast Raman Spectroscopy of Vibrational Energy in Molecules with High Time and Space Resolution. , 2010, , . | | 0 |
| 110 | Real-Time Investigations of Pt(111) Surface Transformations in Sulfuric Acid Solutions. Journal of the American Chemical Society, 2010, 132, 14036-14038. | 6.6 | 51 |
| 111 | Vibrational Energy Relaxation of Liquid Aryl-Halides X-C<sub>6</sub>H<sub>5</sub> (X = F, Cl, Br, I). Journal of Physical Chemistry A, 2010, 114, 10500-10507. | 1.1 | 30 |
| 112 | Ultrafast Condensed-Phase Emission from Energetic Composites of Teflon and Nanoaluminum. Journal of Physical Chemistry A, 2010, 114, 6731-6741. | 1.1 | 26 |
| 113 | High-energy flat-top beams for laser launching using a Gaussian mirror. Applied Optics, 2010, 49, 3723. | 2.1 | 20 |
| 114 | High-Pressure Raman Spectroscopy of Molecular Monolayers Adsorbed on a Metal Surface. Journal of Physical Chemistry C, 2009, 113, 5751-5757. | 1.5 | 21 |
| 115 | Vibrational Energy Dynamics of Normal and Deuterated Liquid Benzene. Journal of Physical Chemistry A, 2009, 113, 1445-1452. | 1.1 | 31 |
| 116 | Ultrafast Excitation of Molecular Adsorbates on Flash-Heated Gold Surfaces. Journal of Physical Chemistry A, 2009, 113, 12105-12114. | 1.1 | 23 |
| 117 | Electrochemically Driven Reorientation of Three Ionic States of p-Aminobenzoic Acid on Ag(111). Journal of Physical Chemistry C, 2009, 113, 2417-2424. | 1.5 | 22 |
| 118 | Sum-Frequency Spectroscopy of Molecular Adsorbates on Low-Index Ag Surfaces: Effects of Azimuthal Rotation. Analytical Chemistry, 2009, 81, 1154-1161. | 3.2 | 11 |
| 119 | Ultrafast Nonlinear Coherent Vibrational Sum-Frequency Spectroscopy Methods To Study Thermal Conductance of Molecules at Interfaces. Accounts of Chemical Research, 2009, 42, 1343-1351. | 7.6 | 77 |
| 120 | Vibrational Energy Dynamics of Glycine,N-Methylacetamide, and Benzoate Anion in Aqueous (D<sub>2</sub>O) Solution. Journal of Physical Chemistry A, 2009, 113, 75-84. | 1.1 | 26 |
| 121 | LASER-DRIVEN FLYER PLATES FOR REACTIVE MATERIALS RESEARCH. AIP Conference Proceedings, 2009, , . | 0.3 | 6 |
| 122 | ULTRAFAST VIBRATIONAL SPECTROSCOPY OF SHOCK COMPRESSION WITH MOLECULAR RESOLUTION. , 2009, , . | | 0 |
| 123 | Ultrafast dynamics of heat flow across molecules. Chemical Physics, 2008, 350, 31-44. | 0.9 | 50 |
| 124 | Measurement of the Distribution of Site Enhancements in Surface-Enhanced Raman Scattering. Science, 2008, 321, 388-392. | 6.0 | 988 |
| 125 | Spatially Resolved Vibrational Energy Transfer in Molecular Monolayers. Journal of Physical Chemistry A, 2008, 112, 3523-3529. | 1.1 | 30 |
| 126 | Vibrational Relaxation of Normal and Deuterated Liquid Nitromethane. Journal of Physical Chemistry B, 2008, 112, 232-241. | 1.2 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | ULTRAFAST SHOCK WAVE COHERENT DISSOCIATION AND SPECTROSCOPY OF MATERIALS. , 2008, , . | | 1 |
| 128 | Vibrational energy in molecules probed with high time and space resolution. International Reviews in Physical Chemistry, 2007, 26, 223-248. | 0.9 | 27 |
| 129 | Planar nanosecond shock wave generation and propagation in poly vinyl alcohol investigated by CARS. , 2007, , . | | 0 |
| 130 | Effects of high carrier densities on phonon and carrier lifetimes in Si by time-resolved anti-Stokes Raman scattering. Applied Physics Letters, 2007, 90, 252104. | 1.5 | 28 |
| 131 | Hydrogen-Bond Disruption by Vibrational Excitations in Water. Journal of Physical Chemistry A, 2007, 111, 3196-3208. | 1.1 | 53 |
| 132 | Surface Nonlinear Vibrational Spectroscopy of Energetic Materials:â€‰ HMX. Journal of Physical Chemistry C, 2007, 111, 2235-2241. | 1.5 | 28 |
| 133 | Ultrafast Chemistry of Nanoenergetic Materials Studied by Time-Resolved Infrared Spectroscopy:â€‰ Aluminum Nanoparticles in Teflon. Journal of Physical Chemistry C, 2007, 111, 10278-10284. | 1.5 | 59 |
| 134 | Nonresonant Background Suppression in Broadband Vibrational Sum-Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2007, 111, 13645-13647. | 1.5 | 170 |
| 135 | Ultrafast Flash Thermal Conductance of Molecular Chains. Science, 2007, 317, 787-790. | 6.0 | 401 |
| 136 | Vibrational relaxation of an amino acid in aqueous solution. Chemical Physics Letters, 2007, 447, 134-139. | 1.2 | 22 |
| 137 | Thinking big (and small) about energetic materials. Materials Science and Technology, 2006, 22, 463-473. | 0.8 | 114 |
| 138 | Long-Lived Interfacial Vibrations of Water. Journal of Physical Chemistry B, 2006, 110, 20115-20117. | 1.2 | 5 |
| 139 | Time-Resolved Microscopy Analysis of Laser Photothermal Imaging Media. Journal of Imaging Science and Technology, 2006, 50, 401. | 0.3 | 7 |
| 140 | Shock Compression Spectroscopy with High Time and Space Resolution. AIP Conference Proceedings, 2006, , . | 0.3 | 6 |
| 141 | Vibrational sum frequency generation studies of the (2Ã—2)â†'(âˆš19Ã—âˆš19) phase transition of CO on Pt(111) electrodes. Journal of Chemical Physics, 2006, 125, 154705. | 1.2 | 66 |
| 142 | MULTI-PHONON UP-PUMPING IN ENERGETIC MATERIALS. Advanced Series in Physical Chemistry, 2005, , 303-333. | 1.5 | 14 |
| 143 | Ultrafast three-dimensional microscopy of laser photothermal imaging materials. , 2005, , . | | 1 |
| 144 | Quantitative vibrational sum-frequency generation spectroscopy of thin layer electrochemistry: CO on a Pt electrode. Surface Science, 2005, 585, 3-16. | 0.8 | 104 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Time- and space-resolved studies of shock compression molecular dynamics. Shock Waves, 2005, 14, 391-402. | 1.0 | 9 |
| 146 | Printing of protein microarrays via a capillary-free fluid jetting mechanism. Proteomics, 2005, 5, 4138-4144. | 1.3 | 104 |
| 147 | Ultrafast Dynamics of Nanotechnology Energetic Materials. Materials Research Society Symposia Proceedings, 2005, 896, 11. | 0.1 | 1 |
| 148 | Ultrafast Dynamics of Shock Compression of Molecular Monolayers. Physical Review Letters, 2005, 94, 015501. | 2.9 | 50 |
| 149 | CHEMISTRY: Ultrafast Chemical Exchange Seen with 2D Vibrational Echoes. Science, 2005, 309, 1333-1334. | 6.0 | 8 |
| 150 | Biological laser printing as an alternative to traditional protein arrayers. , 2005, , . | | 3 |
| 151 | Ultrafast Dynamics of Self-Assembled Monolayers under Shock Compression:â€‰ Effects of Molecular and Substrate Structure. Journal of Physical Chemistry B, 2005, 109, 5033-5044. | 1.2 | 29 |
| 152 | Ultrafast Shock Compression of Self-Assembled Monolayers:â€‰ A Molecular Picture. Journal of Physical Chemistry B, 2005, 109, 5045-5054. | 1.2 | 18 |
| 153 | Vibrational energy transfer in reverse micelle molecular nanostructures. , 2005, , . | | 0 |
| 154 | Shock Compression of Molecules with 1.5 Angstrom Resolution. AIP Conference Proceedings, 2004, , . | 0.3 | 6 |
| 155 | Shock Compression of Proteins: The Energy Landscape Model. AIP Conference Proceedings, 2004, , . | 0.3 | 0 |
| 156 | Shock-Induced Chemical Reaction Propagation in Nanoenergetic Materials Observed with Nanometer Spatial Resolution. AIP Conference Proceedings, 2004, , . | 0.3 | 4 |
| 157 | Near-infrared laser ablation of poly tetrafluoroethylene (Teflon) sensitized by nanoenergetic materials. Applied Physics Letters, 2004, 85, 1493-1495. | 1.5 | 46 |
| 158 | Propagation of shock-induced chemistry in nanoenergetic materials: The first micrometer. Journal of Applied Physics, 2004, 95, 3667-3676. | 1.1 | 54 |
| 159 | Reply to: Comment on â€˜Vibrational relaxation and spectral diffusion following ultrafast OH stretch excitation of waterâ€™, by H.J. Bakker, A.J. Lock, D. Madsen. Chemical Physics Letters, 2004, 385, 332-335. | 1.2 | 18 |
| 160 | Vibrational energy dynamics of water studied with ultrafast Stokes and anti-Stokes Raman spectroscopy. Chemical Physics Letters, 2004, 397, 40-45. | 1.2 | 27 |
| 161 | The vibrational Stokes shift of water (HOD in D2O). Journal of Chemical Physics, 2004, 120, 8345-8348. | 1.2 | 27 |
| 162 | Vibrational Substructure in the OH Stretching Transition of Water and HOD. Journal of Physical Chemistry A, 2004, 108, 9054-9063. | 1.1 | 166 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Vibrational Energy Transfer Across a Reverse Micelle Surfactant Layer. Science, 2004, 306, 473-476. | 6.0 | 114 |
| 164 | Nonlinear interferometric vibrational imaging of molecular species. , 2004, 5321, 149. | | 1 |
| 165 | Vibrational energy relaxation pathways of water. Chemical Physics Letters, 2003, 380, 404-410. | 1.2 | 73 |
| 166 | Fast spectroscopy of energy release in nanometric explosives. Chemical Physics Letters, 2003, 368, 189-194. | 1.2 | 39 |
| 167 | Vibrational relaxation and spectral evolution following ultrafast OH stretch excitation of water. Chemical Physics Letters, 2003, 371, 594-600. | 1.2 | 88 |
| 168 | Vibrational substructure in the OH stretching band of water. Chemical Physics Letters, 2003, 378, 281-288. | 1.2 | 78 |
| 169 | Fast Spectroscopy of Laser-Initiated Nanoenergetic Materials. Journal of Physical Chemistry B, 2003, 107, 4485-4493. | 1.2 | 94 |
| 170 | Fast molecular processes in energetic materials. Theoretical and Computational Chemistry, 2003, 13, 125-191. | 0.2 | 42 |
| 171 | Ultrafast spectroscopy of laser-initiated nanoenergetic materials. Materials Research Society Symposia Proceedings, 2003, 800, 163. | 0.1 | 6 |
| 172 | Molecular species-sensitive optical coherence tomography using coherent anti-stokes Raman scattering spectroscopy. , 2003, 4956, 9. | | 3 |
| 173 | Watching Vibrational Energy Transfer in Liquids with Atomic Spatial Resolution. Science, 2002, 296, 2201-2203. | 6.0 | 149 |
| 174 | Ultrafast high repetition rate absorption spectroscopy of polymer shock compression. Shock Waves, 2002, 12, 79-86. | 1.0 | 8 |
| 175 | Ultrafast vibrational spectroscopy imaging of nanoshock planar propagation. Shock Waves, 2002, 12, 129-136. | 1.0 | 15 |
| 176 | Plume and jetting regimes in a laser based forward transfer process as observed by time-resolved optical microscopy. Applied Surface Science, 2002, 197-198, 181-187. | 3.1 | 63 |
| 177 | Ultra-low threshold laser ablation investigated by time-resolved microscopy. Applied Surface Science, 2002, 197-198, 3-10. | 3.1 | 16 |
| 178 | Time-resolved optical microscopy of a laser-based forward transfer process. Applied Physics Letters, 2001, 78, 3169-3171. | 1.5 | 78 |
| 179 | Plume and Jetting Regimes in a Laser Based Forward Transfer Process as Observed by Time-Resolved Optical Microscopy. Materials Research Society Symposia Proceedings, 2001, 698, 391. | 0.1 | 1 |
| 180 | Vibrational energy redistribution in polyatomic liquids: 3D infraredâ€“Raman spectroscopy. Chemical Physics, 2001, 266, 149-166. | 0.9 | 136 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Ultrafast microscopy of laser ablation of refractory materials: ultra low threshold stress-induced ablation. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 145, 183-194. | 2.0 | 25 |
| 182 | Real time ultrafast spectroscopy of shock front pore collapse. Journal of Applied Physics, 2001, 90, 5139-5146. | 1.1 | 17 |
| 183 | Vibrational Energy Redistribution in Polyatomic Liquids. , 2001, , . | | 1 |
| 184 | Ultrafast dynamics of nanoshocks in molecular materials. AIP Conference Proceedings, 2000, , . | 0.3 | 1 |
| 185 | Ultrafast infrared-Raman studies of vibrational energy redistribution in polyatomic liquids. , 2000, 31, 263-274. | | 84 |
| 186 | Ultrafast vibrational energy redistribution within Câ€“H and Oâ€“H stretching modes of liquid methanol. Chemical Physics Letters, 2000, 321, 419-425. | 1.2 | 59 |
| 187 | Time-Resolved Microscopy of Laser Photothermal Imaging. Optics and Photonics News, 2000, 11, 26. | 0.4 | 5 |
| 188 | Three-Dimensional Spectroscopy of Vibrational Energy Relaxation in Liquid Methanol. Journal of Physical Chemistry A, 2000, 104, 9101-9112. | 1.1 | 137 |
| 189 | Nanoshocks in Molecular Materials. Accounts of Chemical Research, 2000, 33, 37-45. | 7.6 | 45 |
| 190 | Vibrational Energy Relaxation and Spectral Diffusion in Water and Deuterated Water. Journal of Physical Chemistry A, 2000, 104, 4866-4875. | 1.1 | 251 |
| 191 | Shock Compression of Organic Polymers and Proteins:Â Ultrafast Structural Relaxation Dynamics and Energy Landscapes. Journal of Physical Chemistry B, 2000, 104, 4239-4252. | 1.2 | 27 |
| 192 | Ultrafast infraredâ€“Raman studies of vibrational energy redistribution in polyatomic liquids. , 2000, 31, 263. | | 1 |
| 193 | Ultrafast Dynamics of Shock Waves in Polymers and Proteins: The Energy Landscape. Physical Review Letters, 1999, 83, 5034-5037. | 2.9 | 25 |
| 194 | Ultrafast shock-induced orientation of polycrystalline films: Applications to high explosives. Journal of Applied Physics, 1999, 85, 2068-2074. | 1.1 | 20 |
| 195 | Vibrational energy redistribution in liquid benzene. Chemical Physics Letters, 1999, 303, 176-182. | 1.2 | 53 |
| 196 | Vibrational Energy Redistribution in Polyatomic Liquids:â€‰ Ultrafast IRâ^'Raman Spectroscopy of Nitromethane. Journal of Physical Chemistry A, 1999, 103, 971-979. | 1.1 | 83 |
| 197 | ULTRAFASTSPECTROSCOPY OFSHOCKWAVES INMOLECULARMATERIALS. Annual Review of Physical Chemistry, 1999, 50, 251-278. | 4.8 | 108 |
| 198 | When vibrations interact: ultrafast energy relaxation of vibrational pairs in polyatomic liquids. Chemical Physics Letters, 1998, 293, 405-411. | 1.2 | 40 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Ultrafast Spectroscopy of Laser-driven Shock Waves in Molecular Materials. Molecular Crystals and Liquid Crystals, 1998, 314, 25-36. | 0.3 | 2 |
| 200 | Dynamics of Myoglobinâ^'CO with the Proximal Histidine Removed:Â Vibrational Echo Experiments. Journal of Physical Chemistry B, 1998, 102, 331-333. | 1.2 | 32 |
| 201 | The New Wave in Shock Waves. Journal of Physical Chemistry B, 1998, 102, 2121-2130. | 1.2 | 44 |
| 202 | Vibrational Energy Redistribution in Polyatomic Liquids:â€‰Ultrafast IRâ^'Raman Spectroscopy of Acetonitrile. Journal of Physical Chemistry A, 1998, 102, 8193-8201. | 1.1 | 131 |
| 203 | Orientation dependence of shock-induced heating in anharmonic molecular crystals. Journal of Applied Physics, 1998, 83, 5203-5211. | 1.1 | 37 |
| 204 | Picosecond vibrational spectroscopy of shocked energetic materials. , 1998, , . | | 2 |
| 205 | Ultrafast Spectroscopy of Laser-Driven Nanoshocks in Molecular Solids.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 891-896. | 0.1 | 5 |
| 206 | Ultrafast Raman Spectroscopy of Shock Fronts in Molecular Solids. Physical Review Letters, 1997, 78, 4585-4588. | 2.9 | 47 |
| 207 | Coherent Raman spectroscopy of nanoshocks. Journal of Applied Physics, 1997, 82, 1080-1087. | 1.1 | 29 |
| 208 | Mutant and Wild-Type Myoglobin-CO Protein Dynamics:Â Vibrational Echo Experiments. Journal of Physical Chemistry B, 1997, 101, 1468-1475. | 1.2 | 63 |
| 209 | Ultrahigh time-resolution vibrational spectroscopy of shocked molecular solids. Journal of Applied Physics, 1997, 81, 2157-2166. | 1.1 | 73 |
| 210 | High-power picosecond mid-infrared optical parametric amplifier for infrared Raman spectroscopy. Optics Letters, 1997, 22, 1796. | 1.7 | 38 |
| 211 | Vibrational Relaxation in Metalloporphyrin CO Complexes. Journal of the American Chemical Society, 1996, 118, 7853-7854. | 6.6 | 28 |
| 212 | Vibrational Echo Studies of Myoglobinâ^'CO. The Journal of Physical Chemistry, 1996, 100, 15620-15629. | 2.9 | 60 |
| 213 | Ultrafast spectroscopy of the first nanosecond. AIP Conference Proceedings, 1996, , . | 0.3 | 3 |
| 214 | Tuning the Vibrational Relaxation of CO Bound to Heme and Metalloporphyrin Complexes. The Journal of Physical Chemistry, 1996, 100, 18023-18032. | 2.9 | 44 |
| 215 | Ultrafast infrared spectroscopy in biomolecules: Active site dynamics of heme proteins. Biospectroscopy, 1996, 2, 277-299. | 0.4 | 19 |
| 216 | Vibrational Dynamics of Carbon Monoxide at the Active Sites of Mutant Heme Proteinsâ€. The Journal of Physical Chemistry, 1996, 100, 12100-12107. | 2.9 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Ultrafast Dynamics of Shock Waves and Shocked Energetic Materials. Materials Research Society Symposia Proceedings, 1995, 418, 337. | 0.1 | 1 |
| 218 | Ultrafast Mode-Specific Intermolecular Vibrational Energy Transfer to Liquid Nitromethane. The Journal of Physical Chemistry, 1995, 99, 9102-9109. | 2.9 | 80 |
| 219 | Vibrational relaxation of carbon monoxide in model heme compounds. 6-coordinate metalloporphyrins (M = Fe, Ru, OS). Chemical Physics Letters, 1995, 244, 218-223. | 1.2 | 17 |
| 220 | A new method for studying picosecond dynamics of shocked solids: application to crystalline energetic materials. Chemical Physics Letters, 1995, 244, 224-230. | 1.2 | 29 |
| 221 | Molecular dynamics simulations of vibrational cooling and heating in isotopically substituted molecular clusters. Journal of Chemical Physics, 1995, 102, 5480-5485. | 1.2 | 8 |
| 222 | Molecular dynamics observed 60 ps behind a solidâ€state shock front. Journal of Chemical Physics, 1995, 103, 8313-8321. | 1.2 | 31 |
| 223 | Ultrafast Energy Transfer in High Explosives: Vibrational Cooling. The Journal of Physical Chemistry, 1995, 99, 4525-4530. | 2.9 | 51 |
| 224 | Coherent Raman measurements of polymer thinâ€film pressure and temperature during picosecond laser ablation. Journal of Applied Physics, 1995, 77, 5950-5960. | 1.1 | 90 |
| 225 | Direct Measurement of Ultrafast Multiphonon Up-Pumping in High Explosives. The Journal of Physical Chemistry, 1994, 98, 7759-7766. | 2.9 | 50 |
| 226 | Vibrational Dynamics of Carbon Monoxide at the Active Site of Myoglobin: Picosecond Infrared Free-Electron Laser Pump-Probe Experiments. The Journal of Physical Chemistry, 1994, 98, 11213-11219. | 2.9 | 65 |
| 227 | Picosecond coherent Raman study of solid-state chemical reactions during laser polymer ablation. Applied Physics Letters, 1994, 64, 715-717. | 1.5 | 50 |
| 228 | Ultrafast microscopy of shock waves using a shock target array with an optical nanogauge. Journal of Applied Physics, 1994, 75, 4975-4983. | 1.1 | 24 |
| 229 | Laser polymer ablation threshold lowered by nanometer hot spots. Applied Physics Letters, 1994, 64, 184-186. | 1.5 | 41 |
| 230 | Dynamics of a polymer shock optical microgauge studied by picosecond coherent Raman spectroscopy. Applied Physics Letters, 1994, 65, 3051-3053. | 1.5 | 22 |
| 231 | Highly time- and space- resolved studies of superfast image production using laser ablation transfer. , 1994, , 123-135. | | 1 |
| 232 | Chemical reaction initiation and hot-spot formation in shocked energetic molecular materials. The Journal of Physical Chemistry, 1993, 97, 1901-1913. | 2.9 | 235 |
| 233 | Ultrafast temperature jump in polymers: Phonons and vibrations heat up at different rates. Journal of Chemical Physics, 1993, 99, 4140-4151. | 1.2 | 34 |
| 234 | Applications of ultrafast temperature jump spectroscopy to condensed phase molecular dynamics. The Journal of Physical Chemistry, 1992, 96, 7178-7186. | 2.9 | 65 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Shocked Energetic Molecular Materials: Chemical Reaction Initiation and Hot Spot Formation. Materials Research Society Symposia Proceedings, 1992, 296, 379. | 0.1 | 6 |
| 236 | Direct measurement of polymer temperature during laser ablation using a molecular thermometer. Journal of Applied Physics, 1992, 72, 2440-2448. | 1.1 | 60 |
| 237 | Infrared free-electron laser applications: Investigations of the dynamics of molecular systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 318, 26-29. | 0.7 | 2 |
| 238 | Multiphonon up-pumping and molecular hot spots in superheated polymers studied by ultrafast optical calorimetry. Chemical Physics Letters, 1992, 192, 315-320. | 1.2 | 32 |
| 239 | Applications of infrared free-electron lasers: basic research on the dynamics of molecular systems. IEEE Journal of Quantum Electronics, 1991, 27, 2697-2713. | 1.0 | 33 |
| 240 | Molecular dynamics simulation of nanoscale thermal conduction and vibrational cooling in a crystalline naphthalene cluster. Journal of Chemical Physics, 1991, 94, 8203-8209. | 1.2 | 33 |
| 241 | Time-resolved three-color coherent Raman scattering applied to polycrystalline and opaque solids. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 813. | 0.9 | 11 |
| 242 | Vibrational cooling (and heating) of large molecules in solids. Journal of Luminescence, 1990, 45, 397-400. | 1.5 | 3 |
| 243 | Theory of ultrahot molecular solids: Vibrational cooling and shockâ€induced multiphonon up pumping in crystalline naphthalene. Journal of Chemical Physics, 1990, 93, 1695-1709. | 1.2 | 44 |
| 244 | Shocked molecular solids: Vibrational up pumping, defect hot spot formation, and the onset of chemistry. Journal of Chemical Physics, 1990, 92, 3798-3812. | 1.2 | 269 |
| 245 | Ultrafast vibrational energy transfer in the real world: laser ablation, energetic solids, and hemeproteins. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 1638. | 0.9 | 47 |
| 246 | Ultrafast imaging of 0.532â€Î¼m laser ablation of polymers: Time evolution of surface damage and blast wave generation. Journal of Applied Physics, 1989, 65, 4548-4563. | 1.1 | 66 |
| 247 | Vibrational cooling in large molecular systems: Pentacene in naphthalene. Journal of Chemical Physics, 1989, 90, 3590-3602. | 1.2 | 35 |
| 248 | Timeâ€dependent selfâ€focusing and a 20 ps delay in laser ablation of polymers. Applied Physics Letters, 1989, 54, 2274-2276. | 1.5 | 25 |
| 249 | Application of a two-color free-electron laser to condensed-matter molecular dynamics. Journal of the Optical Society of America B: Optical Physics, 1989, 6, 977. | 0.9 | 20 |
| 250 | Dynamics of molecular crystal vibrations. Topics in Applied Physics, 1989, , 167-200. | 0.4 | 14 |
| 251 | Picosecond vibrational cooling in mixed molecular crystals studied with a new coherent raman scattering technique. Chemical Physics Letters, 1988, 147, 18-24. | 1.2 | 13 |
| 252 | Picosecond Nd:YAG regenerative amplifier with acoustooptic injection and electrooptic VFET pulse switchout. IEEE Journal of Quantum Electronics, 1988, 24, 411-417. | 1.0 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Vibrational relaxation of guest and host in mixed molecular crystals. Journal of Chemical Physics, 1988, 88, 2361-2371. | 1.2 | 22 |
| 254 | Ultrafast imaging of optical damage dynamics and laserâ€produced wave propagation in polymethyl methacrylate. Journal of Applied Physics, 1988, 64, 2955-2958. | 1.1 | 38 |
| 255 | Theory of vibrational cooling in molecular crystals: Application to crystalline naphthalene. Journal of Chemical Physics, 1988, 89, 842-858. | 1.2 | 34 |
| 256 | Vibrational relaxation and vibrational cooling in low temperature molecular crystals. Journal of Chemical Physics, 1988, 88, 949-967. | 1.2 | 57 |
| 257 | A model for ultrafast vibrational cooling in molecular crystals. Journal of Chemical Physics, 1988, 89, 830-841. | 1.2 | 40 |
| 258 | Vibrational Dynamics of Hydrogen Bonded Solids: Phonons and Optical Damage. , 1988, , 165-169. | | 0 |
| 259 | Phonons, defects and optical damage in crystalline acetanilide. Chemical Physics, 1986, 104, 169-178. | 0.9 | 7 |
| 260 | Picosecond coherent Raman investigation of the relaxation of low frequency vibrational modes in amino acids and peptides. Journal of Chemical Physics, 1984, 81, 4932-4949. | 1.2 | 57 |
| 261 | Picosecond coherent Raman measurements of optical-phonon relaxation inLaF3Ce3+. Physical Review B, 1984, 30, 2149-2157. | 1.1 | 6 |
| 262 | Temperature dependent libron relaxation in naphthalene. Journal of Chemical Physics, 1984, 80, 1369-1370. | 1.2 | 16 |
| 263 | A picosecond CARS study of vibron dynamics in molecular crystals: Temperature dependence of homogeneous and inhomogeneous linewidths. Journal of Chemical Physics, 1984, 80, 1394-1406. | 1.2 | 55 |
| 264 | Vibrational relaxation in isotopically disordered naphthalene crystals. Journal of Luminescence, 1984, 31-32, 622-624. | 1.5 | 1 |
| 265 | Vibrational spectroscopy of solid state molecular dimers. Chemical Physics Letters, 1983, 96, 57-64. | 1.2 | 37 |
| 266 | Long-lived vibrational modes in amino acid crystals probed by picosecond CARS spectroscopy. Chemical Physics Letters, 1983, 103, 109-114. | 1.2 | 27 |
| 267 | Vibrational energy transfer and localization in disordered solids by picosecond CARS spectroscopy. Journal of Chemical Physics, 1983, 79, 5286-5291. | 1.2 | 45 |
| 268 | Temperature-dependent vibrational dephasing in molecular crystals: a picosecond cars study of naphthalene. Chemical Physics Letters, 1982, 90, 386-390. | 1.2 | 56 |
| 269 | Excited state dynamics in pure molecular crystals: perylene and the excimer problem. Chemical Physics Letters, 1979, 64, 88-93. | 1.2 | 37 |
| 270 | Dynamics of Energy Transport in Molecular Crystals: The Picosecond Transient-Grating Method. Physical Review Letters, 1978, 41, 131-134. | 2.9 | 231 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Experimental determination of the triplet exciton intermolecular interaction matrix element and the exciton-phonon scattering rate in molecular crystals. Chemical Physics Letters, 1976, 41, 305-310. | 1.2 | 47 |
| 272 | Broadband Sum Frequency Generation Studies of Surface Intermediates Involved in Fuel Cell Electrocatalysis. , 0, , 375-409. | | 2 |