

John T Fourkas

List of Publications by Year in descending order

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240
papers

9,809
citations

31902

53
h-index

40881

93
g-index

252
all docs

252
docs citations

252
times ranked

8859
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Fluorinated interphase enables reversible aqueous zinc battery chemistries. <i>Nature Nanotechnology</i> , 2021, 16, 902-910. | 15.6 | 560 |
| 2 | Multiphoton Fabrication. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6238-6258. | 7.2 | 541 |
| 3 | Achieving $\lambda/20$ Resolution by One-Color Initiation and Deactivation of Polymerization. <i>Science</i> , 2009, 324, 910-913. | 6.0 | 462 |
| 4 | Multiphoton polymerization. <i>Materials Today</i> , 2007, 10, 30-37. | 8.3 | 459 |
| 5 | Recent progress in multiphoton microfabrication. <i>Laser and Photonics Reviews</i> , 2008, 2, 100-111. | 4.4 | 353 |
| 6 | Field-emission studies on thin films of zinc oxide nanowires. <i>Applied Physics Letters</i> , 2003, 83, 4821-4823. | 1.5 | 269 |
| 7 | Highly Efficient Multiphoton-Absorption-Induced Luminescence from Gold Nanoparticles. <i>Nano Letters</i> , 2005, 5, 1139-1142. | 4.5 | 269 |
| 8 | Critical Knowledge Gaps in Mass Transport through Single-Digit Nanopores: A Review and Perspective. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21309-21326. | 1.5 | 234 |
| 9 | Acrylic-based resin with favorable properties for three-dimensional two-photon polymerization. <i>Journal of Applied Physics</i> , 2004, 95, 6072-6076. | 1.1 | 184 |
| 10 | Orientational Dynamics of Liquids Confined in Nanoporous Sol-Gel Glasses Studied by Optical Kerr Effect Spectroscopy. <i>Accounts of Chemical Research</i> , 2003, 36, 605-612. | 7.6 | 168 |
| 11 | Rapid determination of the three-dimensional orientation of single molecules. <i>Optics Letters</i> , 2001, 26, 211. | 1.7 | 158 |
| 12 | Immobilization of Olefin Metathesis Catalysts on Monolithic Sol-Gel: Practical, Efficient, and Easily Recyclable Catalysts for Organic and Combinatorial Synthesis. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4251-4256. | 7.2 | 158 |
| 13 | Efficient and robust multiphoton data storage in molecular glasses and highly crosslinked polymers. <i>Nature Materials</i> , 2002, 1, 225-228. | 13.3 | 154 |
| 14 | Selective Functionalization of 3-D Polymer Microstructures. <i>Journal of the American Chemical Society</i> , 2006, 128, 1796-1797. | 6.6 | 153 |
| 15 | Time resolved four- and six-wave mixing in liquids. I. Theory. <i>Journal of Chemical Physics</i> , 1996, 105, 7364-7382. | 1.2 | 150 |
| 16 | Optical Kerr Effect Spectroscopy of Simple Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15529-15539. | 1.2 | 145 |
| 17 | Ultrafast Spectroscopic Studies of the Dynamics of Liquids Confined in Nanoporous Glasses. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5421-5429. | 1.2 | 133 |
| 18 | Exponential intermolecular dynamics in optical Kerr effect spectroscopy of small-molecule liquids. <i>Journal of Chemical Physics</i> , 1999, 111, 2686-2694. | 1.2 | 132 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Cellular Contact Guidance through Dynamic Sensing of Nanotopography. ACS Nano, 2014, 8, 3546-3555. | 7.3 | 122 |
| 20 | High-speed multiphoton absorption polymerization: fabrication of microfluidic channels with arbitrary cross-sections and high aspect ratios. Lab on A Chip, 2010, 10, 1057. | 3.1 | 121 |
| 21 | Multiphoton laser direct writing of two-dimensional silver structures. Optics Express, 2005, 13, 1275. | 1.7 | 119 |
| 22 | Hydrodynamically Driven Self-Assembly of Giant Vesicles of Metal Nanoparticles for Remote-Controlled Release. Angewandte Chemie - International Edition, 2013, 52, 2463-2468. | 7.2 | 118 |
| 23 | Comparison of the Orientational Dynamics of Water Confined in Hydrophobic and Hydrophilic Nanopores. Journal of Physical Chemistry B, 2002, 106, 10292-10295. | 1.2 | 110 |
| 24 | Cell Shape Dynamics: From Waves to Migration. PLoS Computational Biology, 2012, 8, e1002392. | 1.5 | 104 |
| 25 | Soft-lithographic replication of 3D microstructures with closed loops. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8589-8594. | 3.3 | 98 |
| 26 | Diffraction-Limited Photogeneration and Characterization of Silver Nanoparticles. Journal of Physical Chemistry B, 2004, 108, 1604-1612. | 1.2 | 96 |
| 27 | Replication of Two-Photon-Polymerized Structures with Extremely High Aspect Ratios and Large Overhangs. Journal of Physical Chemistry B, 2004, 108, 11256-11258. | 1.2 | 96 |
| 28 | Temperature-dependent ultrafast solvation dynamics in a completely nonpolar system. Journal of Chemical Physics, 1993, 98, 7773-7785. | 1.2 | 89 |
| 29 | Dynamics of a wetting liquid in nanopores: An optical Kerr effect study of the dynamics of acetonitrile confined in sol-gel glasses. Journal of Chemical Physics, 1999, 111, 5116-5123. | 1.2 | 84 |
| 30 | Time-resolved nonpolar solvation dynamics in supercooled and low viscosity n-butylbenzene. Journal of Chemical Physics, 1993, 99, 8552-8558. | 1.2 | 80 |
| 31 | Continuous Microfluidic Self-Assembly of Hybrid Janus-Like Vesicular Motors: Autonomous Propulsion and Controlled Release. Small, 2015, 11, 3762-3767. | 5.2 | 80 |
| 32 | Simplified setup for high-resolution spectroscopy that uses ultrashort pulses. Optics Letters, 2003, 28, 361. | 1.7 | 78 |
| 33 | Polarization selectivity of nonresonant spectroscopies in isotropic media. Journal of Chemical Physics, 1997, 107, 9726-9740. | 1.2 | 76 |
| 34 | Nanoscale imaging and spontaneous emission control with a single nano-positioned quantum dot. Nature Communications, 2013, 4, 1447. | 5.8 | 76 |
| 35 | Nonresonant intermolecular spectroscopy beyond the Placzek approximation. I. Third-order spectroscopy. Journal of Chemical Physics, 1998, 109, 2814-2825. | 1.2 | 74 |
| 36 | Interfacial Organization of Acetonitrile: Simulation and Experiment. Journal of Physical Chemistry C, 2010, 114, 17651-17659. | 1.5 | 74 |

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|----|---|-----|-----------|
| 37 | Asymmetric nanotopography biases cytoskeletal dynamics and promotes unidirectional cell guidance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12557-12562. | 3.3 | 70 |
| 38 | Structure of hexamethylene triperoxide diamine. <i>Journal of the American Chemical Society</i> , 1985, 107, 2461-2463. | 6.6 | 66 |
| 39 | Picosecond time-scale phase-related optical pulses: measurement of sodium optical coherence decay by observation of incoherent fluorescence. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1989, 6, 1905. | 0.9 | 66 |
| 40 | Theory of nonlinear optical experiments with harmonic oscillators. <i>Journal of Chemical Physics</i> , 1995, 103, 4393-4407. | 1.2 | 65 |
| 41 | The transient grating: a holographic window to dynamic processes. <i>Accounts of Chemical Research</i> , 1992, 25, 227-233. | 7.6 | 64 |
| 42 | Evidence for the Direct Observation of Molecular Exchange of a Liquid at the Solid/Liquid Interface. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5409-5412. | 1.2 | 62 |
| 43 | Second- and third-harmonic generation with vector Gaussian beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 2134. | 0.9 | 62 |
| 44 | Geometric Effects in the Dynamics of a Nonwetting Liquid in Microconfinement: An Optical Kerr Effect Study of Methyl Iodide in Nanoporous Glasses. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10288-10294. | 1.2 | 60 |
| 45 | Multiphoton photoresists giving nanoscale resolution that is inversely dependent on exposure time. <i>Nature Chemistry</i> , 2011, 3, 223-227. | 6.6 | 60 |
| 46 | Level-dependent damping in intermolecular vibrations: Linear spectroscopy. <i>Journal of Chemical Physics</i> , 1997, 106, 6901-6915. | 1.2 | 59 |
| 47 | Polymer microcantilevers fabricated via multiphoton absorption polymerization. <i>Applied Physics Letters</i> , 2005, 86, 064105. | 1.5 | 57 |
| 48 | Nanoscale Photolithography with Visible Light. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1221-1227. | 2.1 | 57 |
| 49 | Coupling Emission from Single Localized Defects in Two-Dimensional Semiconductor to Surface Plasmon Polaritons. <i>Nano Letters</i> , 2017, 17, 6564-6568. | 4.5 | 57 |
| 50 | Nonresonant intermolecular spectroscopy beyond the Placzek approximation. II. Fifth-order spectroscopy. <i>Journal of Chemical Physics</i> , 1998, 109, 7913-7922. | 1.2 | 56 |
| 51 | Effects of Reorientation in Vibrational Sum-Frequency Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8902-8915. | 1.5 | 56 |
| 52 | Extremely Slow Dynamics of a Weakly Wetting Liquid at a Solid/Liquid Interface: CS ₂ Confined in Nanoporous Glasses. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6061-6068. | 1.2 | 55 |
| 53 | Instantaneous normal mode theory of more complicated correlation functions: Third- and fifth-order optical response. <i>Journal of Chemical Physics</i> , 2000, 112, 287-293. | 1.2 | 53 |
| 54 | Structure and Dynamics of Benzene Confined in Silica Nanopores. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15471-15479. | 1.5 | 53 |

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|----|---|-----|-----------|
| 55 | The grating decomposition method: A new approach for understanding polarization-selective transient grating experiments. I. Theory. <i>Journal of Chemical Physics</i> , 1992, 97, 69-77. | 1.2 | 52 |
| 56 | Controlled Defects in Semiconducting Carbon Nanotubes Promote Efficient Generation and Luminescence of Trions. <i>ACS Nano</i> , 2014, 8, 4239-4247. | 7.3 | 52 |
| 57 | Temperature dependence of the dielectric function of C ₆ H ₆ (l) and C ₆ H ₅ CH ₃ (l) measured with THz spectroscopy. <i>Journal of Chemical Physics</i> , 2000, 113, 3749-3756. | 1.2 | 51 |
| 58 | Direct Laser Patterning of Conductive Wires on Three-Dimensional Polymeric Microstructures. <i>Chemistry of Materials</i> , 2006, 18, 2038-2042. | 3.2 | 49 |
| 59 | Nanoscale probing of image-dipole interactions in a metallic nanostructure. <i>Nature Communications</i> , 2015, 6, 6558. | 5.8 | 49 |
| 60 | Dynamics of Confined Carbon Disulfide from 165 to 310 K. <i>Journal of Physical Chemistry A</i> , 1997, 101, 4005-4010. | 1.1 | 48 |
| 61 | Inhibition of Bubble Coalescence in Aqueous Solutions. 1. Electrolytes. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5115-5119. | 1.2 | 46 |
| 62 | Effect of the resin viscosity on the writing properties of two-photon polymerization. <i>Optical Materials Express</i> , 2019, 9, 2601. | 1.6 | 44 |
| 63 | Spatially encoded, single-shot ultrafast spectroscopies. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995, 12, 155. | 0.9 | 43 |
| 64 | Ultrafast Orientational Dynamics of Nanoconfined Benzene. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12724-12730. | 1.2 | 43 |
| 65 | Effects of Molecular Association on Polarizability Relaxation in Liquid Mixtures of Benzene and Hexafluorobenzene. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24085-24099. | 1.2 | 42 |
| 66 | Photochemical Synthesis and Multiphoton Luminescence of Monodisperse Silver Nanocrystals. <i>Plasmonics</i> , 2006, 1, 45-51. | 1.8 | 39 |
| 67 | Positioning and Immobilization of Individual Quantum Dots with Nanoscale Precision. <i>Nano Letters</i> , 2010, 10, 4673-4679. | 4.5 | 39 |
| 68 | Simultaneous microscale optical manipulation, fabrication and immobilisation in aqueous media. <i>Chemical Science</i> , 2012, 3, 2449. | 3.7 | 39 |
| 69 | Contractility, focal adhesion orientation, and stress fiber orientation drive cancer cell polarity and migration along wavy ECM substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 39 |
| 70 | HIGHER-ORDER OPTICAL CORRELATION SPECTROSCOPY IN LIQUIDS. <i>Annual Review of Physical Chemistry</i> , 2002, 53, 17-40. | 4.8 | 37 |
| 71 | Ten years of two-color photolithography [Invited]. <i>Optical Materials Express</i> , 2019, 9, 3006. | 1.6 | 36 |
| 72 | Temperature-Dependent Optical Kerr Effect Spectroscopy of Aromatic Liquids. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5708-5720. | 1.2 | 35 |

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| 73 | 2-Colour photolithography. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8731. | 1.3 | 35 |
| 74 | Nitriles at Silica Interfaces Resemble Supported Lipid Bilayers. <i>Accounts of Chemical Research</i> , 2016, 49, 1605-1613. | 7.6 | 35 |
| 75 | Nonpolar Adsorption at the Silica/Methanol Interface: Surface Mediated Polarity and Solvent Density across a Strongly Associating Solid/Liquid Boundary. <i>Journal of Physical Chemistry C</i> , 2013, 117, 27052-27061. | 1.5 | 34 |
| 76 | Production, Analysis, and Application of Spatially Resolved Shells in Solid-Phase Polymer Spheres. <i>Journal of the American Chemical Society</i> , 2002, 124, 1994-2003. | 6.6 | 33 |
| 77 | The Characterization of Absorptive Nonlinearities. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700106. | 4.4 | 33 |
| 78 | Reversible tuning of photonic crystal cavities using photochromic thin films. <i>Applied Physics Letters</i> , 2010, 96, 153303. | 1.5 | 31 |
| 79 | Polarization-assisted transverse and axial optical superresolution. <i>Optics Express</i> , 2003, 11, 1714. | 1.7 | 30 |
| 80 | In situ measurement of the effective nonlinear absorption order in multiphoton photoresists. <i>Laser and Photonics Reviews</i> , 2016, 10, 849-854. | 4.4 | 30 |
| 81 | Picosecond polarization-selective transient grating experiments in sodium-seeded flames. <i>Journal of Chemical Physics</i> , 1991, 95, 5775-5784. | 1.2 | 28 |
| 82 | Mechanisms of Light Scattering in Supercooled Liquids. <i>Physical Review Letters</i> , 1999, 83, 3550-3553. | 2.9 | 28 |
| 83 | Intermolecular Dynamics and Structure of Carbon Disulfide in Isoviscous Alkane Solutions: An Optical Kerr Effect Study. <i>Journal of Physical Chemistry B</i> , 2003, 107, 44-51. | 1.2 | 28 |
| 84 | High-Performance Microring Resonators Fabricated with Multiphoton Absorption Polymerization. <i>Advanced Materials</i> , 2008, 20, 3668-3671. | 11.1 | 28 |
| 85 | Local and global measures of shape dynamics. <i>Physical Biology</i> , 2011, 8, 055001. | 0.8 | 28 |
| 86 | Pulse-length-limited ultrafast pump-probe spectroscopy in a single laser shot. <i>Optics Letters</i> , 1994, 19, 643. | 1.7 | 27 |
| 87 | Actin Cytoskeleton and Focal Adhesions Regulate the Biased Migration of Breast Cancer Cells on Nanoscale Asymmetric Sawteeth. <i>ACS Nano</i> , 2019, 13, 1454-1468. | 7.3 | 27 |
| 88 | Development of Optically-Driven Metallic Microrotors Using Two-Photon Microfabrication. <i>Journal of Laser Micro Nanoengineering</i> , 2013, 8, 6-10. | 0.4 | 27 |
| 89 | Single-molecule detection with a two-photon fluorescence microscope with fast-scanning capabilities and polarization sensitivity. <i>Optics Letters</i> , 1999, 24, 1832. | 1.7 | 26 |
| 90 | Temperature-dependent optical Kerr effect spectroscopy of chloroform in restricted geometries. <i>Chemical Physics</i> , 2000, 253, 323-330. | 0.9 | 26 |

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| 91 | Shape and Electrostatic Effects in Optical Kerr Effect Spectroscopy of Aromatic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15342-15348. | 1.2 | 26 |
| 92 | Multiphoton-Absorption-Induced-Luminescence (MAIL) Imaging of Tumor-Targeted Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2010, 21, 1968-1977. | 1.8 | 26 |
| 93 | Subcellular topography modulates actin dynamics and signaling in B-cells. <i>Molecular Biology of the Cell</i> , 2018, 29, 1732-1742. | 0.9 | 26 |
| 94 | Quantifying topography-guided actin dynamics across scales using optical flow. <i>Molecular Biology of the Cell</i> , 2020, 31, 1753-1764. | 0.9 | 26 |
| 95 | Relationship between kinetics and thermodynamics of supercooled liquids. <i>Journal of Chemical Physics</i> , 2001, 114, 10577-10578. | 1.2 | 25 |
| 96 | Field-Enhanced Phenomena of Gold Nanoparticles. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4416-4422. | 1.1 | 25 |
| 97 | Reexamining the interpretation of vibrational sum-frequency generation spectra. <i>International Reviews in Physical Chemistry</i> , 2011, 30, 409-443. | 0.9 | 25 |
| 98 | Polymeric Ligand-Mediated Regioselective Bonding of Plasmonic Nanoplates and Nanospheres. <i>Journal of the American Chemical Society</i> , 2020, 142, 17282-17286. | 6.6 | 25 |
| 99 | Engineering DNA-electrode connectivities: manipulation of linker length and structure. <i>Analytica Chimica Acta</i> , 2003, 496, 81-91. | 2.6 | 24 |
| 100 | Completely non-polar solvation as a probe of mechanical relaxation in glass-forming liquids. <i>Journal of Non-Crystalline Solids</i> , 1994, 172-174, 234-240. | 1.5 | 23 |
| 101 | Molecular coordinates for instantaneous normal mode calculations. I. Coordinate dependence. <i>Journal of Chemical Physics</i> , 1999, 110, 10410-10422. | 1.2 | 23 |
| 102 | n-alkane adsorption to polar silica surfaces. <i>Journal of Chemical Physics</i> , 2010, 132, 114701. | 1.2 | 22 |
| 103 | Direct Observation of Different Mechanisms for the Inhibition of Molecular Reorientation at a Solid/Liquid Interface. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12863-12865. | 1.2 | 20 |
| 104 | Ti:sapphire, broadband vibrational sum-frequency generation spectrometer with a counter-propagating geometry. <i>Optics Express</i> , 2009, 17, 14665. | 1.7 | 20 |
| 105 | Replication of biocompatible, nanotopographic surfaces. <i>Scientific Reports</i> , 2018, 8, 564. | 1.6 | 20 |
| 106 | Fabrication of Three-Dimensional Metalized Movable Microstructures by the Combination of Two-Photon Microfabrication and Electroless Plating. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 06FL17. | 0.8 | 19 |
| 107 | Quantitative Measure of Hydrophobicity: Experiment and Theory. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5777-5779. | 1.2 | 18 |
| 108 | Photolithographic Patterning of Ring-Opening Metathesis Catalysts on Silicon. <i>Advanced Materials</i> , 2005, 17, 39-42. | 11.1 | 18 |

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|-----|--|-----|-----------|
| 109 | Persistence of Acetonitrile Bilayers at the Interface of Acetonitrile/Water Mixtures with Silica. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12060-12066. | 1.1 | 18 |
| 110 | Nanostructure-Induced Distortion in Single-Emitter Microscopy. <i>Nano Letters</i> , 2016, 16, 5415-5419. | 4.5 | 18 |
| 111 | Behavior of Organic Liquids at Bare and Modified Silica Interfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 394-402. | 1.5 | 17 |
| 112 | Structure of Liquid Propionitrile at Interfaces. 1. Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4012-4018. | 1.5 | 17 |
| 113 | Topography on a subcellular scale modulates cellular adhesions and actin stress fiber dynamics in tumor associated fibroblasts. <i>Physical Biology</i> , 2017, 14, 065003. | 0.8 | 17 |
| 114 | Picosecond time-resolved four-wave mixing experiments in sodium-seeded flames. <i>Optics Letters</i> , 1991, 16, 177. | 1.7 | 16 |
| 115 | Metal-Enhanced Multiphoton Absorption Polymerization with Gold Nanowires. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7774-7779. | 1.5 | 16 |
| 116 | The grating decomposition method: A new approach for understanding polarization-selective transient grating experiments. II. Applications. <i>Journal of Chemical Physics</i> , 1992, 97, 78-85. | 1.2 | 15 |
| 117 | Searching for Voids in Liquids with Optical Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8656-8663. | 1.2 | 15 |
| 118 | Binary and Gray-Scale Patterning of Chemical Functionality on Polymer Films. <i>Journal of the American Chemical Society</i> , 2008, 130, 13512-13513. | 6.6 | 14 |
| 119 | Fundamentals of Two-Photon Fabrication. , 2016, , 45-61. | | 13 |
| 120 | Molecular coordinates for instantaneous normal mode calculations. II. Application to CS ₂ and other triatomics. <i>Journal of Chemical Physics</i> , 1999, 110, 10423-10432. | 1.2 | 12 |
| 121 | Experimental demonstration of polarization-assisted transverse and axial optical superresolution. <i>Optics Communications</i> , 2004, 241, 315-319. | 1.0 | 12 |
| 122 | Orientational diffusion of n-alkyl cyanides. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S4105-S4118. | 0.7 | 12 |
| 123 | Multidimensional raman spectroscopy. <i>Advances in Chemical Physics</i> , 2007, , 235-274. | 0.3 | 12 |
| 124 | Assessing the Role of Moment of Inertia in Optical Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12096-12103. | 1.2 | 12 |
| 125 | Elucidating complex triplet-state dynamics in the model system isopropylthioxanthone. <i>IScience</i> , 2022, 25, 103600. | 1.9 | 12 |
| 126 | Temperature-Dependent Orientational Dynamics of 1,1-Dicyano Alkanes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3115-3120. | 1.2 | 11 |

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|-----|--|-----|-----------|
| 127 | Reorientation-Induced Spectral Diffusion in Vibrational Sum-Frequency-Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15875-15885. | 1.2 | 11 |
| 128 | Fabrication of Three-Dimensional Metalized Movable Microstructures by the Combination of Two-Photon Microfabrication and Electroless Plating. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 06FL17. | 0.8 | 11 |
| 129 | Non-Cartesian coordinates for instantaneous normal mode theory of atomic liquids. <i>Journal of Chemical Physics</i> , 1998, 109, 9096-9100. | 1.2 | 10 |
| 130 | On the relationships among special temperatures for supercooled liquids: A configuration space analysis. <i>Journal of Chemical Physics</i> , 2000, 113, 3719-3722. | 1.2 | 10 |
| 131 | Optical Kerr Effect Spectroscopy Using Time-Delayed Pairs of Pump Pulses with Orthogonal Polarizations. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8481-8488. | 1.2 | 10 |
| 132 | Structure of Liquid Propionitrile at Interfaces. 2. Experiment. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4019-4025. | 1.5 | 10 |
| 133 | Fabrication of Nanoassemblies Using Flow Control. <i>Nano Letters</i> , 2013, 13, 3936-3941. | 4.5 | 10 |
| 134 | Orientalional Time Correlation Functions for Vibrational Sum-Frequency Generation. 1. Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5853-5864. | 1.1 | 10 |
| 135 | Role of the dense amorphous carbon layer in photoresist etching. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, 021304. | 0.9 | 10 |
| 136 | Structure and dynamics of acetonitrile: Molecular simulation and neutron scattering. <i>Journal of Molecular Liquids</i> , 2022, 348, 118423. | 2.3 | 10 |
| 137 | In Situ Observation of Molecular Diffusion in Solid Supports Using Two-Photon Fluorescence Microscopy. <i>ACS Combinatorial Science</i> , 2005, 7, 54-57. | 3.3 | 9 |
| 138 | Gradient Elution Moving Boundary Electrophoresis with Field-Amplified Continuous Sample Injection. <i>Analytical Chemistry</i> , 2014, 86, 3625-3632. | 3.2 | 9 |
| 139 | Toward in Situ Measurement of the Density of Liquid Benzene Using Optical Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9103-9114. | 1.2 | 9 |
| 140 | Methods for Determining the Effective Order of Absorption in Radical Multiphoton Photoresists: A Critical Analysis. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000203. | 4.4 | 9 |
| 141 | Cortical waves mediate the cellular response to electric fields. <i>ELife</i> , 2022, 11, . | 2.8 | 9 |
| 142 | Efficient multiphoton polymerization for the fabrication of 3-dimensional microstructures. <i>Synthetic Metals</i> , 2003, 135-136, 11-12. | 2.1 | 8 |
| 143 | Assessing Polarizability Models for the Simulation of Low-Frequency Raman Spectra of Benzene. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9345-9358. | 1.2 | 8 |
| 144 | Empirical Analysis of Optical Kerr Effect Spectra: A Case for Constraint. <i>Journal of Physical Chemistry B</i> , 2017, 121, 11376-11382. | 1.2 | 8 |

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|-----|--|-----|-----------|
| 145 | Fundamentals of two-photon fabrication. , 2020, , 57-76. | | 8 |
| 146 | The electrical double layer revisited. Natural Sciences, 2022, 2, . | 1.0 | 8 |
| 147 | Flame temperature measurement using picosecond transient grating experiments. Chemical Physics Letters, 1993, 203, 344-348. | 1.2 | 7 |
| 148 | Mode-Selective Optical Kerr Effect Spectroscopy. Journal of Physical Chemistry B, 2004, 108, 3384-3386. | 1.2 | 7 |
| 149 | Achieving Ultrahigh Concentrations of Fluorescent Single-Walled Carbon Nanotubes Using Small-Molecule Viscosity Modifiers. Small, 2013, 9, 241-247. | 5.2 | 7 |
| 150 | Determination of the contributions of two simultaneous absorption orders using 2-beam action spectroscopy. Optics Express, 2018, 26, 9492. | 1.7 | 7 |
| 151 | Actin Dynamics as a Multiscale Integrator of Cellular Guidance Cues. Frontiers in Cell and Developmental Biology, 2022, 10, 873567. | 1.8 | 7 |
| 152 | Orientalional Time Correlation Functions for Vibrational Sum-Frequency Generation. 2. Propionitrile. Journal of Physical Chemistry B, 2014, 118, 8406-8419. | 1.2 | 6 |
| 153 | Probing Multiphoton Photophysics Using Two-Beam Action Spectroscopy. Journal of Physical Chemistry A, 2018, 122, 6643-6653. | 1.1 | 6 |
| 154 | Evolution of photoresist layer structure and surface morphology under fluorocarbon-based plasma exposure. Plasma Processes and Polymers, 2019, 16, 1900026. | 1.6 | 6 |
| 155 | Grand Challenges in Nanofabrication: There Remains Plenty of Room at the Bottom. Frontiers in Nanotechnology, 2021, 3, . | 2.4 | 6 |
| 156 | Antiresonant-ring Kerr spectroscopy. Optics Express, 2007, 15, 6561. | 1.7 | 5 |
| 157 | RAPID Lithography: New Photoresists Achieve Nanoscale Resolution. Optics and Photonics News, 2011, 22, 24. | 0.4 | 5 |
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