

# John T Fourkas

## List of Publications by Citations

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202  
papers

7,951  
citations

49  
h-index

84  
g-index

252  
ext. papers

8,981  
ext. citations

6  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
202	Multiphoton fabrication. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6238-58	16.4	466
201	Multiphoton polymerization. <i>Materials Today</i> , <b>2007</b> , 10, 30-37	21.8	410
200	Achieving lambda/20 resolution by one-color initiation and deactivation of polymerization. <i>Science</i> , <b>2009</b> , 324, 910-3	33.3	370
199	Recent progress in multiphoton microfabrication. <i>Laser and Photonics Reviews</i> , <b>2008</b> , 2, 100-111	8.3	298
198	Field-emission studies on thin films of zinc oxide nanowires. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 4821-4823	3.4	250
197	Highly efficient multiphoton-absorption-induced luminescence from gold nanoparticles. <i>Nano Letters</i> , <b>2005</b> , 5, 1139-42	11.5	238
196	Orientalional dynamics of liquids confined in nanoporous sol-gel glasses studied by optical kerr effect spectroscopy. <i>Accounts of Chemical Research</i> , <b>2003</b> , 36, 605-12	24.3	154
195	Time resolved four- and six-wave mixing in liquids. I. Theory. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 7364-7382	3.9	142
194	Acrylic-based resin with favorable properties for three-dimensional two-photon polymerization. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 6072-6076	2.5	141
193	Rapid determination of the three-dimensional orientation of single molecules. <i>Optics Letters</i> , <b>2001</b> , 26, 211-3	3	137
192	Efficient and robust multiphoton data storage in molecular glasses and highly crosslinked polymers. <i>Nature Materials</i> , <b>2002</b> , 1, 225-8	27	136
191	Fluorinated interphase enables reversible aqueous zinc battery chemistries. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 902-910	28.7	133
190	Ultrafast Spectroscopic Studies of the Dynamics of Liquids Confined in Nanoporous Glasses. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 5421-5429	3.4	128
189	Optical Kerr effect spectroscopy of simple liquids. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 15529-39	3.4	127
188	Selective functionalization of 3-D polymer microstructures. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1796-7	16.4	126
187	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> , <b>2001</b> , 40, 4251-4256	16.4	123
186	Critical Knowledge Gaps in Mass Transport through Single-Digit Nanopores: A Review and Perspective. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 21309-21326	3.8	121

185	Exponential intermolecular dynamics in optical Kerr effect spectroscopy of small-molecule liquids. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 2686-2694	3.9	120
184	Comparison of the Orientational Dynamics of Water Confined in Hydrophobic and Hydrophilic Nanopores. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 10292-10295	3.4	107
183	High-speed multiphoton absorption polymerization: fabrication of microfluidic channels with arbitrary cross-sections and high aspect ratios. <i>Lab on A Chip</i> , <b>2010</b> , 10, 1057-60	7.2	104
182	Hydrodynamically driven self-assembly of giant vesicles of metal nanoparticles for remote-controlled release. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2463-8	16.4	103
181	Multiphoton laser direct writing of two-dimensional silver structures. <i>Optics Express</i> , <b>2005</b> , 13, 1275-80	3.3	102
180	Cellular contact guidance through dynamic sensing of nanotopography. <i>ACS Nano</i> , <b>2014</b> , 8, 3546-55	16.7	89
179	Diffraction-Limited Photogeneration and Characterization of Silver Nanoparticles. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 1604-1612	3.4	89
178	Soft-lithographic replication of 3D microstructures with closed loops. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 8589-94	11.5	86
177	Replication of Two-Photon-Polymerized Structures with Extremely High Aspect Ratios and Large Overhangs. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 11256-11258	3.4	86
176	Temperature-dependent ultrafast solvation dynamics in a completely nonpolar system. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 7773-7785	3.9	86
175	Dynamics of a wetting liquid in nanopores: An optical Kerr effect study of the dynamics of acetonitrile confined in sol-gel glasses. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 5116-5123	3.9	79
174	Time-resolved nonpolar solvation dynamics in supercooled and low viscosity n-butylbenzene. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 8552-8558	3.9	78
173	Cell shape dynamics: from waves to migration. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002392	5	75
172	Polarization selectivity of nonresonant spectroscopies in isotropic media. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 9726-9740	3.9	73
171	Nonresonant intermolecular spectroscopy beyond the Placzek approximation. I. Third-order spectroscopy. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 2814-2825	3.9	71
170	Interfacial Organization of Acetonitrile: Simulation and Experiment. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 17651-17659	3.8	64
169	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> , <b>1989</b> , 6, 1905	1.7	63
168	Nanoscale imaging and spontaneous emission control with a single nano-positioned quantum dot. <i>Nature Communications</i> , <b>2013</b> , 4, 1447	17.4	60

167	Evidence for the Direct Observation of Molecular Exchange of a Liquid at the Solid/Liquid Interface. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 5409-5412	3.4	60
166	Theory of nonlinear optical experiments with harmonic oscillators. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 4393-4407	3.9	60
165	The transient grating: a holographic window to dynamic processes. <i>Accounts of Chemical Research</i> , <b>1992</b> , 25, 227-233	24.3	60
164	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> , <b>1998</b> , 102, 10288-10294	3.4	59
163	Continuous Microfluidic Self-Assembly of Hybrid Janus-Like Vesicular Motors: Autonomous Propulsion and Controlled Release. <i>Small</i> , <b>2015</b> , 11, 3762-7	11	58
162	Simplified setup for high-resolution spectroscopy that uses ultrashort pulses. <i>Optics Letters</i> , <b>2003</b> , 28, 361-3	3	58
161	Structure of hexamethylene triperoxide diamine. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 2461-2463	16.4	58
160	Level-dependent damping in intermolecular vibrations: Linear spectroscopy. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 6901-6915	3.9	54
159	Extremely Slow Dynamics of a Weakly Wetting Liquid at a Solid/Liquid Interface: CS <sub>2</sub> Confined in Nanoporous Glasses. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 6061-6068	3.4	54
158	Effects of Reorientation in Vibrational Sum-Frequency Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 8902-8915	3.8	53
157	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> , <b>2015</b> , 112, 12557-62	11.5	52
156	Polymer microcantilevers fabricated via multiphoton absorption polymerization. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 064105	3.4	51
155	Instantaneous normal mode theory of more complicated correlation functions: Third- and fifth-order optical response. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 287-293	3.9	50
154	Nonresonant intermolecular spectroscopy beyond the Placzek approximation. II. Fifth-order spectroscopy. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 7913-7922	3.9	49
153	The grating decomposition method: A new approach for understanding polarization-selective transient grating experiments. I. Theory. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 69-77	3.9	49
152	Dynamics of Confined Carbon Disulfide from 165 to 310 K. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 4005-4010	2.8	48
151	Structure and Dynamics of Benzene Confined in Silica Nanopores. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 15471-15479	3.8	47
150	Multiphoton photoresists giving nanoscale resolution that is inversely dependent on exposure time. <i>Nature Chemistry</i> , <b>2011</b> , 3, 223-7	17.6	47

149	Nanoscale Photolithography with Visible Light. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1221-1227	6.4	47
148	Direct Laser Patterning of Conductive Wires on Three-Dimensional Polymeric Microstructures. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 2038-2042	9.6	45
147	Temperature dependence of the dielectric function of C <sub>6</sub> H <sub>6</sub> (l) and C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> (l) measured with THz spectroscopy. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 3749-3756	3.9	45
146	Second- and third-harmonic generation with vector Gaussian beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2006</b> , 23, 2134	1.7	44
145	Inhibition of Bubble Coalescence in Aqueous Solutions. 1. Electrolytes. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 5115-5119	3.4	44
144	Nanoscale probing of image-dipole interactions in a metallic nanostructure. <i>Nature Communications</i> , <b>2015</b> , 6, 6558	17.4	43
143	Ultrafast orientational dynamics of nanoconfined benzene. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 12724-30	3.4	41
142	Coupling Emission from Single Localized Defects in Two-Dimensional Semiconductor to Surface Plasmon Polaritons. <i>Nano Letters</i> , <b>2017</b> , 17, 6564-6568	11.5	40
141	Controlled defects in semiconducting carbon nanotubes promote efficient generation and luminescence of trions. <i>ACS Nano</i> , <b>2014</b> , 8, 4239-47	16.7	40
140	Effects of molecular association on polarizability relaxation in liquid mixtures of benzene and hexafluorobenzene. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 24085-99	3.4	39
139	Spatially encoded, single-shot ultrafast spectroscopies. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1995</b> , 12, 155	1.7	37
138	Photochemical Synthesis and Multiphoton Luminescence of Monodisperse Silver Nanocrystals. <i>Plasmonics</i> , <b>2006</b> , 1, 45-51	2.4	34
137	Higher-order optical correlation spectroscopy in liquids. <i>Annual Review of Physical Chemistry</i> , <b>2002</b> , 53, 17-40	15.7	34
136	Simultaneous microscale optical manipulation, fabrication and immobilisation in aqueous media. <i>Chemical Science</i> , <b>2012</b> , 3, 2449	9.4	33
135	Temperature-dependent optical Kerr effect spectroscopy of aromatic liquids. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 5708-20	3.4	33
134	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> , <b>2013</b> , 117, 27052-27061	3.8	31
133	Production, analysis, and application of spatially resolved shells in solid-phase polymer spheres. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 1994-2003	16.4	29
132	2-Colour photolithography. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 8731-50	3.6	28

131	Intermolecular Dynamics and Structure of Carbon Disulfide in Isoviscous Alkane Solutions: An Optical Kerr Effect Study. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 44-51	3.4	28
130	Nitriles at Silica Interfaces Resemble Supported Lipid Bilayers. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1605-13	24.3	26
129	Positioning and immobilization of individual quantum dots with nanoscale precision. <i>Nano Letters</i> , <b>2010</b> , 10, 4673-9	11.5	26
128	Polarization-assisted transverse and axial optical superresolution. <i>Optics Express</i> , <b>2003</b> , 11, 1714-23	3.3	26
127	Temperature-dependent optical Kerr effect spectroscopy of chloroform in restricted geometries. <i>Chemical Physics</i> , <b>2000</b> , 253, 323-330	2.3	26
126	Mechanisms of Light Scattering in Supercooled Liquids. <i>Physical Review Letters</i> , <b>1999</b> , 83, 3550-3553	7.4	26
125	Picosecond polarization-selective transient grating experiments in sodium-seeded flames. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 5775-5784	3.9	26
124	Effect of the resin viscosity on the writing properties of two-photon polymerization. <i>Optical Materials Express</i> , <b>2019</b> , 9, 2601	2.6	26
123	Multiphoton-absorption-induced-luminescence (MAIL) imaging of tumor-targeted gold nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 1968-77	6.3	25
122	Field-enhanced phenomena of gold nanoparticles. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 4416-22	2.8	25
121	The Characterization of Absorptive Nonlinearities. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1700106	8.3	24
120	Reexamining the interpretation of vibrational sum-frequency generation spectra. <i>International Reviews in Physical Chemistry</i> , <b>2011</b> , 30, 409-443	7	24
119	Single-molecule detection with a two-photon fluorescence microscope with fast-scanning capabilities and polarization sensitivity. <i>Optics Letters</i> , <b>1999</b> , 24, 1832-4	3	24
118	Pulse-length-limited ultrafast pump-probe spectroscopy in a single laser shot. <i>Optics Letters</i> , <b>1994</b> , 19, 643-5	3	24
117	Development of Optically-Driven Metallic Microrotors Using Two-Photon Microfabrication. <i>Journal of Laser Micro Nanoengineering</i> , <b>2013</b> , 8, 6-10	1	24
116	Reversible tuning of photonic crystal cavities using photochromic thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 153303	3.4	23
115	Local and global measures of shape dynamics. <i>Physical Biology</i> , <b>2011</b> , 8, 055001	3	23
114	Shape and electrostatic effects in optical Kerr effect spectroscopy of aromatic liquids. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 15342-8	3.4	23

113	Completely non-polar solvation as a probe of mechanical relaxation in glass-forming liquids. <i>Journal of Non-Crystalline Solids</i> , <b>1994</b> , 172-174, 234-240	3.9	23
112	Ten years of two-color photolithography [Invited]. <i>Optical Materials Express</i> , <b>2019</b> , 9, 3006	2.6	23
111	Engineering DNA-electrode connectivities: manipulation of linker length and structure. <i>Analytica Chimica Acta</i> , <b>2003</b> , 496, 81-91	6.6	22
110	Relationship between kinetics and thermodynamics of supercooled liquids. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 10577-10578	3.9	22
109	Molecular coordinates for instantaneous normal mode calculations. I. Coordinate dependence. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 10410-10422	3.9	22
108	High-Performance Microring Resonators Fabricated with Multiphoton Absorption Polymerization. <i>Advanced Materials</i> , <b>2008</b> , 20, 3668-3671	24	21
107	n-Alkane adsorption to polar silica surfaces. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 114701	3.9	20
106	Direct Observation of Different Mechanisms for the Inhibition of Molecular Reorientation at a Solid/Liquid Interface. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 12863-12865	3.4	20
105	Ti:sapphire, broadband vibrational sum-frequency generation spectrometer with a counter-propagating geometry. <i>Optics Express</i> , <b>2009</b> , 17, 14665-75	3.3	18
104	Photolithographic Patterning of Ring-Opening Metathesis Catalysts on Silicon. <i>Advanced Materials</i> , <b>2005</b> , 17, 39-42	24	18
103	Actin Cytoskeleton and Focal Adhesions Regulate the Biased Migration of Breast Cancer Cells on Nanoscale Asymmetric Sawteeth. <i>ACS Nano</i> , <b>2019</b> , 13, 1454-1468	16.7	17
102	Behavior of Organic Liquids at Bare and Modified Silica Interfaces. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 394-402	3.8	17
101	Quantitative Measure of Hydrophobicity: Experiment and Theory. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 5777-5779	3.4	17
100	Hydrodynamically Driven Self-Assembly of Giant Vesicles of Metal Nanoparticles for Remote-Controlled Release. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 2523-2528	3.6	16
99	Structure of Liquid Propionitrile at Interfaces. 1. Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 4012-4018	3.8	16
98	Fabrication of Three-Dimensional Metalized Movable Microstructures by the Combination of Two-Photon Microfabrication and Electroless Plating. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 06FL17	1.4	16
97	In situ measurement of the effective nonlinear absorption order in multiphoton photoresists. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 849-854	8.3	16
96	Persistence of acetonitrile bilayers at the interface of acetonitrile/water mixtures with silica. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 12060-6	2.8	15

95	Metal-Enhanced Multiphoton Absorption Polymerization with Gold Nanowires. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 7774-7779	3.8	15
94	Binary and gray-scale patterning of chemical functionality on polymer films. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 13512-3	16.4	14
93	Searching for voids in liquids with optical Kerr effect spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 8656-63	3.4	14
92	The grating decomposition method: A new approach for understanding polarization-selective transient grating experiments. II. Applications. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 78-85	3.9	14
91	Picosecond time-resolved four-wave mixing experiments in sodium-seeded flames. <i>Optics Letters</i> , <b>1991</b> , 16, 177-9	3	13
90	Replication of biocompatible, nanotopographic surfaces. <i>Scientific Reports</i> , <b>2018</b> , 8, 564	4.9	12
89	Nanostructure-Induced Distortion in Single-Emitter Microscopy. <i>Nano Letters</i> , <b>2016</b> , 16, 5415-9	11.5	12
88	Topography on a subcellular scale modulates cellular adhesions and actin stress fiber dynamics in tumor associated fibroblasts. <i>Physical Biology</i> , <b>2017</b> , 14, 065003	3	12
87	Assessing the role of moment of inertia in optical Kerr effect spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 12096-103	3.4	12
86	Orientalional diffusion of n-alkyl cyanides. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, S4105-S4118	1.8	12
85	Molecular coordinates for instantaneous normal mode calculations. II. Application to CS <sub>2</sub> and other triatomics. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 10423-10432	3.9	12
84	Multidimensional raman spectroscopy. <i>Advances in Chemical Physics</i> , <b>2007</b> , 235-274		11
83	Experimental demonstration of polarization-assisted transverse and axial optical superresolution. <i>Optics Communications</i> , <b>2004</b> , 241, 315-319	2	11
82	Polymeric Ligand-Mediated Regioselective Bonding of Plasmonic Nanoplates and Nanospheres. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17282-17286	16.4	11
81	Fundamentals of Two-Photon Fabrication <b>2016</b> , 45-61		10
80	Structure of Liquid Propionitrile at Interfaces. 2. Experiment. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 4019-4025	3.8	10
79	Reorientation-induced spectral diffusion in vibrational sum-frequency-generation spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 15875-85	3.4	10
78	temperature-dependent orientational dynamics of 1,n-dicyano n-alkanes. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 3115-20	3.4	10



77	Optical Kerr effect spectroscopy using time-delayed pairs of pump pulses with orthogonal polarizations. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 8481-8	3.4	10
76	Non-Cartesian coordinates for instantaneous normal mode theory of atomic liquids. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 9096-9100	3.9	10
75	Fabrication of Three-Dimensional Metalized Movable Microstructures by the Combination of Two-Photon Microfabrication and Electroless Plating. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 06FL17	11.7	10
74	Subcellular topography modulates actin dynamics and signaling in B-cells. <i>Molecular Biology of the Cell</i> , <b>2018</b> , 29, 1732-1742	3.5	9
73	Gradient elution moving boundary electrophoresis with field-amplified continuous sample injection. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3625-32	7.8	9
72	Orientalional time correlation functions for vibrational sum-frequency generation. 1. Acetonitrile. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 5853-64	2.8	9
71	On the relationships among special temperatures for supercooled liquids: A configuration space analysis. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 3719-3722	3.9	9
70	Assessing Polarizability Models for the Simulation of Low-Frequency Raman Spectra of Benzene. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 9345-58	3.4	8
69	Empirical Analysis of Optical Kerr Effect Spectra: A Case for Constraint. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 11376-11382	3.4	8
68	Quantifying topography-guided actin dynamics across scales using optical flow. <i>Molecular Biology of the Cell</i> , <b>2020</b> , 31, 1753-1764	3.5	8
67	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> , <b>2021</b> , 118,	11.5	8
66	Toward in Situ Measurement of the Density of Liquid Benzene Using Optical Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 9103-14	3.4	8
65	Role of the dense amorphous carbon layer in photoresist etching. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2018</b> , 36, 021304	2.9	7
64	Achieving ultrahigh concentrations of fluorescent single-walled carbon nanotubes using small-molecule viscosity modifiers. <i>Small</i> , <b>2013</b> , 9, 241-7	11	7
63	In situ observation of molecular diffusion in solid supports using two-photon fluorescence microscopy. <i>ACS Combinatorial Science</i> , <b>2005</b> , 7, 54-7		7
62	Mode-Selective Optical Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 3384-3386	3.4	7
61	Efficient multiphoton polymerization for the fabrication of 3-dimensional microstructures. <i>Synthetic Metals</i> , <b>2003</b> , 135-136, 11-12	3.6	7
60	Fundamentals of two-photon fabrication <b>2020</b> , 57-76		6

59	Orientational time correlation functions for vibrational sum-frequency generation. 2. Propionitrile. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 8406-19	3.4	6
58	Methods for Determining the Effective Order of Absorption in Radical Multiphoton Photoresists: A Critical Analysis. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2000203	8.3	6
57	Orientational Time Correlation Functions for Vibrational Sum-Frequency Generation. 3. Methanol. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 5542-5550	3.8	5
56	Determination of the contributions of two simultaneous absorption orders using 2-beam action spectroscopy. <i>Optics Express</i> , <b>2018</b> , 26, 9492-9501	3.3	5
55	Fabrication of nanoassemblies using flow control. <i>Nano Letters</i> , <b>2013</b> , 13, 3936-41	11.5	5
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