

John T Fourkas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Elucidating complex triplet-state dynamics in the model system isopropylthioxanthone.. <i>IScience</i> , 2022 , 25, 103600	6.1	2
201	Structure and dynamics of acetonitrile: Molecular simulation and neutron scattering. <i>Journal of Molecular Liquids</i> , 2022 , 348, 118423	6	1
200	Cortical waves mediate the cellular response to electric fields.. <i>ELife</i> , 2022 , 11,	8.9	2
199	Actin Dynamics as a Multiscale Integrator of Cellular Guidance Cues.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 873567	5.7	1
198	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,	11.5	8
197	Fluorinated interphase enables reversible aqueous zinc battery chemistries. <i>Nature Nanotechnology</i> , 2021 , 16, 902-910	28.7	133
196	Methods for Determining the Effective Order of Absorption in Radical Multiphoton Photoresists: A Critical Analysis. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000203	8.3	6
195	Fundamentals of two-photon fabrication 2020 , 57-76		6
194	Cell motility and nanolithography 2020 , 527-540		
193	Polymeric Ligand-Mediated Regioselective Bonding of Plasmonic Nanoplates and Nanospheres. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17282-17286	16.4	11
192	Quantifying topography-guided actin dynamics across scales using optical flow. <i>Molecular Biology of the Cell</i> , 2020 , 31, 1753-1764	3.5	8
191	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	16.7	17
190	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	3.8	121
189	Evolution of photoresist layer structure and surface morphology under fluorocarbon-based plasma exposure. <i>Plasma Processes and Polymers</i> , 2019 , 16, 1900026	3.4	2
188	The Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5837-5848	2.8	1
187	The JPC Periodic Table. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17063-17074	3.8	1
186	The JPC Periodic Table. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4051-4062	6.4	1

185	Extracting Information on Linear and Nonlinear Absorption from Two-Beam Action Spectroscopy Data. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 7314-7322	2.8	2
184	Effect of the resin viscosity on the writing properties of two-photon polymerization. <i>Optical Materials Express</i> , 2019 , 9, 2601	2.6	26
183	Ten years of two-color photolithography [Invited]. <i>Optical Materials Express</i> , 2019 , 9, 3006	2.6	23
182	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	2.9	7
181	Replication of biocompatible, nanotopographic surfaces. <i>Scientific Reports</i> , 2018 , 8, 564	4.9	12
180	Subcellular topography modulates actin dynamics and signaling in B-cells. <i>Molecular Biology of the Cell</i> , 2018 , 29, 1732-1742	3.5	9
179	Determination of the contributions of two simultaneous absorption orders using 2-beam action spectroscopy. <i>Optics Express</i> , 2018 , 26, 9492-9501	3.3	5
178	Probing Multiphoton Photophysics Using Two-Beam Action Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6643-6653	2.8	4
177	The state of the art in multicolor visible photolithography 2018 ,		1
176	Coupling Emission from Single Localized Defects in Two-Dimensional Semiconductor to Surface Plasmon Polaritons. <i>Nano Letters</i> , 2017 , 17, 6564-6568	11.5	40
175	The Characterization of Absorptive Nonlinearities. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1700106	8.3	24
174	Avoiding the Reject after Editorial Review for X and Characterization [Where X = Synthesis, Preparation, or Fabrication]. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 8745	2.8	
173	Avoiding the Reject after Editorial Review for X and Characterization [Where X = Synthesis, Preparation, or Fabrication]. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 10435	3.4	
172	Empirical Analysis of Optical Kerr Effect Spectra: A Case for Constraint. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 11376-11382	3.4	8
171	Effect of Temperature on the Organization of Acetonitrile at the Silica/Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 26432-26437	3.8	1
170	Avoiding the Reject after Editorial Review for X and Characterization [Where X = Synthesis, Preparation, or Fabrication]. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25623-25623	3.8	
169	Topography on a subcellular scale modulates cellular adhesions and actin stress fiber dynamics in tumor associated fibroblasts. <i>Physical Biology</i> , 2017 , 14, 065003	3	12
168	How clean is the solvent you use to clean your optics? A vibrational sum-frequency-generation study. <i>Applied Optics</i> , 2017 , 56, 3875-3878	0.2	0

167	Fundamentals of Two-Photon Fabrication 2016 , 45-61		10
166	Cell Motility and Nanolithography 2016 , 335-344		2
165	Nitriles at Silica Interfaces Resemble Supported Lipid Bilayers. <i>Accounts of Chemical Research</i> , 2016 , 49, 1605-13	24.3	26
164	Nanostructure-Induced Distortion in Single-Emitter Microscopy. <i>Nano Letters</i> , 2016 , 16, 5415-9	11.5	12
163	In situ measurement of the effective nonlinear absorption order in multiphoton photoresists. <i>Laser and Photonics Reviews</i> , 2016 , 10, 849-854	8.3	16
162	STED-Inspired Approaches to Resolution Enhancement 2016 , 111-131		1
161	Toward in Situ Measurement of the Density of Liquid Benzene Using Optical Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 9103-14	3.4	8
160	Orientalional Time Correlation Functions for Vibrational Sum-Frequency Generation. 3. Methanol. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5542-5550	3.8	5
159	Multicolor, visible-light nanolithography 2015 ,		1
158	Nanoscale probing of image-dipole interactions in a metallic nanostructure. <i>Nature Communications</i> , 2015 , 6, 6558	17.4	43
157	The International Year of Light and the Chemistry Classroom. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3882-3	6.4	
156	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, 12557-62	11.5	52
155	Assessing Polarizability Models for the Simulation of Low-Frequency Raman Spectra of Benzene. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 9345-58	3.4	8
154	Continuous Microfluidic Self-Assembly of Hybrid Janus-Like Vesicular Motors: Autonomous Propulsion and Controlled Release. <i>Small</i> , 2015 , 11, 3762-7	11	58
153	Controlled defects in semiconducting carbon nanotubes promote efficient generation and luminescence of trions. <i>ACS Nano</i> , 2014 , 8, 4239-47	16.7	40
152	Cellular contact guidance through dynamic sensing of nanotopography. <i>ACS Nano</i> , 2014 , 8, 3546-55	16.7	89
151	Gradient elution moving boundary electrophoresis with field-amplified continuous sample injection. <i>Analytical Chemistry</i> , 2014 , 86, 3625-32	7.8	9
150	2-Colour photolithography. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 8731-50	3.6	28

149	Orientational time correlation functions for vibrational sum-frequency generation. 2. Propionitrile. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 8406-19	3.4	6
148	Hydrodynamically Driven Self-Assembly of Giant Vesicles of Metal Nanoparticles for Remote-Controlled Release. <i>Angewandte Chemie</i> , 2013 , 125, 2523-2528	3.6	16
147	Nanoscale imaging and spontaneous emission control with a single nano-positioned quantum dot. <i>Nature Communications</i> , 2013 , 4, 1447	17.4	60
146	Fabrication of nanoassemblies using flow control. <i>Nano Letters</i> , 2013 , 13, 3936-41	11.5	5
145	Cellular Contact Guidance through Dynamic Sensing of Surface Topography. <i>Biophysical Journal</i> , 2013 , 104, 148a	2.9	2
144	Persistence of acetonitrile bilayers at the interface of acetonitrile/water mixtures with silica. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 12060-6	2.8	15
143	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	3.8	31
142	Reorientation-induced spectral diffusion in vibrational sum-frequency-generation spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 15875-85	3.4	10
141	Achieving ultrahigh concentrations of fluorescent single-walled carbon nanotubes using small-molecule viscosity modifiers. <i>Small</i> , 2013 , 9, 241-7	11	7
140	Orientational time correlation functions for vibrational sum-frequency generation. 1. Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 5853-64	2.8	9
139	Hydrodynamically driven self-assembly of giant vesicles of metal nanoparticles for remote-controlled release. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2463-8	16.4	103
138	MAP-Fabricated Acrylic Double Ring Resonators (DRRs) with Expanded Free Spectral Range (FSR) 2013 ,		1
137	Development of Optically-Driven Metallic Microrotors Using Two-Photon Microfabrication. <i>Journal of Laser Micro Nanoengineering</i> , 2013 , 8, 6-10	1	24
136	Structure of Liquid Propionitrile at Interfaces. 2. Experiment. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4019-4025	3.8	10
135	Structure and Dynamics of Trimethylacetone at the Silica/Vapor, Silica/Liquid, and Liquid/Vapor Interfaces. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7000-7009	3.8	4
134	Structure of Liquid Propionitrile at Interfaces. 1. Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4012-4018	3.8	16
133	Simultaneous microscale optical manipulation, fabrication and immobilisation in aqueous media. <i>Chemical Science</i> , 2012 , 3, 2449	9.4	33
132	Cell shape dynamics: from waves to migration. <i>PLoS Computational Biology</i> , 2012 , 8, e1002392	5	75

131	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	1.4	16
130	Multiphoton lithography, processing and fabrication of photonic structures 2012 , 139-161		2
129	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	1.7	10
128	RAPID Lithography: New Photoresists Achieve Nanoscale Resolution. <i>Optics and Photonics News</i> , 2011 , 22, 24	1.9	3
127	Structure and Dynamics of Benzene Confined in Silica Nanopores. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15471-15479	3.8	47
126	Multiphoton photoresists giving nanoscale resolution that is inversely dependent on exposure time. <i>Nature Chemistry</i> , 2011 , 3, 223-7	17.6	47
125	Local and global measures of shape dynamics. <i>Physical Biology</i> , 2011 , 8, 055001	3	23
124	Reexamining the interpretation of vibrational sum-frequency generation spectra. <i>International Reviews in Physical Chemistry</i> , 2011 , 30, 409-443	7	24
123	n-Alkane adsorption to polar silica surfaces. <i>Journal of Chemical Physics</i> , 2010 , 132, 114701	3.9	20
122	Reversible tuning of photonic crystal cavities using photochromic thin films. <i>Applied Physics Letters</i> , 2010 , 96, 153303	3.4	23
121	Fabrication of High-Performance Optical Devices Using Multiphoton Absorption Polymerization. <i>ACS Symposium Series</i> , 2010 , 129-137	0.4	1
120	High-speed multiphoton absorption polymerization: fabrication of microfluidic channels with arbitrary cross-sections and high aspect ratios. <i>Lab on A Chip</i> , 2010 , 10, 1057-60	7.2	104
119	Positioning and immobilization of individual quantum dots with nanoscale precision. <i>Nano Letters</i> , 2010 , 10, 4673-9	11.5	26
118	Assessing the role of moment of inertia in optical Kerr effect spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 12096-103	3.4	12
117	Behavior of Organic Liquids at Bare and Modified Silica Interfaces. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 394-402	3.8	17
116	Metal-Enhanced Multiphoton Absorption Polymerization with Gold Nanowires. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7774-7779	3.8	15
115	Interfacial Organization of Acetonitrile: Simulation and Experiment. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17651-17659	3.8	64
114	Nanoscale Photolithography with Visible Light. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1221-1227	6.4	47

113	Multiphoton-absorption-induced-luminescence (MAIL) imaging of tumor-targeted gold nanoparticles. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1968-77	6.3	25
112	The adventures of Dicty, the Dictyostelium cell. <i>Chaos</i> , 2009 , 19, 041110	3.3	1
111	Field-enhanced phenomena of gold nanoparticles. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 4416-22	2.8	25
110	Ti:sapphire, broadband vibrational sum-frequency generation spectrometer with a counter-propagating geometry. <i>Optics Express</i> , 2009 , 17, 14665-75	3.3	18
109	Achieving lambda/20 resolution by one-color initiation and deactivation of polymerization. <i>Science</i> , 2009 , 324, 910-3	33.3	370
108	Optical Kerr effect spectroscopy of simple liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 15529-39	3.4	127
107	Binary and gray-scale patterning of chemical functionality on polymer films. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13512-3	16.4	14
106	Shape and electrostatic effects in optical Kerr effect spectroscopy of aromatic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 15342-8	3.4	23
105	Searching for voids in liquids with optical Kerr effect spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 8656-63	3.4	14
104	temperature-dependent orientational dynamics of 1,n-dicyano n-alkanes. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3115-20	3.4	10
103	Recent progress in multiphoton microfabrication. <i>Laser and Photonics Reviews</i> , 2008 , 2, 100-111	8.3	298
102	High-Performance Microring Resonators Fabricated with Multiphoton Absorption Polymerization. <i>Advanced Materials</i> , 2008 , 20, 3668-3671	24	21
101	Polarization selectivity of third-order and fifth-order Raman spectroscopies in liquids and solids. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 9627-31	2.8	2
100	Effects of Reorientation in Vibrational Sum-Frequency Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8902-8915	3.8	53
99	Multiphoton fabrication. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6238-58	16.4	466
98	Multidimensional raman spectroscopy. <i>Advances in Chemical Physics</i> , 2007 , 235-274		11
97	Multiphoton polymerization. <i>Materials Today</i> , 2007 , 10, 30-37	21.8	410
96	Antiresonant-ring Kerr spectroscopy. <i>Optics Express</i> , 2007 , 15, 6561-8	3.3	4

95	Photochemical Synthesis and Multiphoton Luminescence of Monodisperse Silver Nanocrystals. <i>Plasmonics</i> , 2006 , 1, 45-51	2.4	34
94	Soft-lithographic replication of 3D microstructures with closed loops. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8589-94	11.5	86
93	Temperature-dependent optical Kerr effect spectroscopy of aromatic liquids. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5708-20	3.4	33
92	Direct Laser Patterning of Conductive Wires on Three-Dimensional Polymeric Microstructures. <i>Chemistry of Materials</i> , 2006 , 18, 2038-2042	9.6	45
91	Selective functionalization of 3-D polymer microstructures. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1796-7	16.4	126
90	Second- and third-harmonic generation with vector Gaussian beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 2134	1.7	44
89	Rapid, in-line, non-interferometric auto- and cross-correlator for microscopy. <i>Optics Express</i> , 2006 , 14, 11215-21	3.3	4
88	Highly efficient multiphoton-absorption-induced luminescence from gold nanoparticles. <i>Nano Letters</i> , 2005 , 5, 1139-42	11.5	238
87	Ultrafast orientational dynamics of nanoconfined benzene. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 12724-30	3.4	41
86	Effects of molecular association on polarizability relaxation in liquid mixtures of benzene and hexafluorobenzene. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 24085-99	3.4	39
85	Optical Kerr effect spectroscopy using time-delayed pairs of pump pulses with orthogonal polarizations. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8481-8	3.4	10
84	In situ observation of molecular diffusion in solid supports using two-photon fluorescence microscopy. <i>ACS Combinatorial Science</i> , 2005 , 7, 54-7		7
83	Multiphoton laser direct writing of two-dimensional silver structures. <i>Optics Express</i> , 2005 , 13, 1275-80	3.3	102
82	Photolithographic Patterning of Ring-Opening Metathesis Catalysts on Silicon. <i>Advanced Materials</i> , 2005 , 17, 39-42	24	18
81	Ultrafast Orientational Dynamics of Nanoconfined Benzene. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 899, 1		
80	Orientational diffusion of n-alkyl cyanides. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, S4105-S4118	1.8	12
79	Polymer microcantilevers fabricated via multiphoton absorption polymerization. <i>Applied Physics Letters</i> , 2005 , 86, 064105	3.4	51
78	Toward the Fabrication of Hybrid Polymer/Metal Three-Dimensional Microstructures. <i>Springer Series in Chemical Physics</i> , 2005 , 807-809	0.3	

77	Acrylic-based resin with favorable properties for three-dimensional two-photon polymerization. <i>Journal of Applied Physics</i> , 2004 , 95, 6072-6076	2.5	141
76	Three-Dimensional Micro- and Nanofabrication with Multiphoton Absorption. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 850, 19		
75	Experimental demonstration of polarization-assisted transverse and axial optical superresolution. <i>Optics Communications</i> , 2004 , 241, 315-319	2	11
74	Diffraction-Limited Photogeneration and Characterization of Silver Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 1604-1612	3.4	89
73	Mode-Selective Optical Kerr Effect Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3384-3386	3.4	7
72	Replication of Two-Photon-Polymerized Structures with Extremely High Aspect Ratios and Large Overhangs. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 11256-11258	3.4	86
71	Reorientational Dynamics of Water Confined in Nanopores. <i>ACS Symposium Series</i> , 2004 , 193-204	0.4	4
70	Novel ZnO nanostructures 2003 , 5219, 99		1
69	Engineering DNA-electrode connectivities: manipulation of linker length and structure. <i>Analytica Chimica Acta</i> , 2003 , 496, 81-91	6.6	22
68	Field-emission studies on thin films of zinc oxide nanowires. <i>Applied Physics Letters</i> , 2003 , 83, 4821-4823	3.4	250
67	Orientational dynamics of liquids confined in nanoporous sol-gel glasses studied by optical kerr effect spectroscopy. <i>Accounts of Chemical Research</i> , 2003 , 36, 605-12	24.3	154
66	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	3.4	28
65	Simplified setup for high-resolution spectroscopy that uses ultrashort pulses. <i>Optics Letters</i> , 2003 , 28, 361-3	3	58
64	Polarization-assisted transverse and axial optical superresolution. <i>Optics Express</i> , 2003 , 11, 1714-23	3.3	26
63	Efficient multiphoton polymerization for the fabrication of 3-dimensional microstructures. <i>Synthetic Metals</i> , 2003 , 135-136, 11-12	3.6	7
62	Terahertz Radiation Spectroscopy on Chloroform Confined in Porous Silica Glasses. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 790, 1		
61	Efficient and robust multiphoton data storage in molecular glasses and highly crosslinked polymers. <i>Nature Materials</i> , 2002 , 1, 225-8	27	136
60	New Perspectives on Liquid Dynamics. <i>ACS Symposium Series</i> , 2002 , 2-11	0.4	1

59	Multiphoton photopolymerization with a Ti:sapphire oscillator 2002 ,		2
58	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	3.4	20
57	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	16.4	29
56	Vibrational Dynamics in Porous Silica Glasses Studied by Time-Resolved Coherent Anti-Stokes Raman Scattering. <i>ACS Symposium Series</i> , 2002 , 160-168	0.4	2
55	Higher-order optical correlation spectroscopy in liquids. <i>Annual Review of Physical Chemistry</i> , 2002 , 53, 17-40	15.7	34
54	Comparison of the Orientational Dynamics of Water Confined in Hydrophobic and Hydrophilic Nanopores. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 10292-10295	3.4	107
53	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	16.4	123
52	Relationship between kinetics and thermodynamics of supercooled liquids. <i>Journal of Chemical Physics</i> , 2001 , 114, 10577-10578	3.9	22
51	Relationship between dynamical and equilibrium characteristics of glass-forming polymeric liquids. <i>Physical Review E</i> , 2001 , 64, 010501	2.4	3
50	Rapid determination of the three-dimensional orientation of single molecules. <i>Optics Letters</i> , 2001 , 26, 211-3	3	137
49	Temperature-dependent optical Kerr effect spectroscopy of chloroform in restricted geometries. <i>Chemical Physics</i> , 2000 , 253, 323-330	2.3	26
48	Analysis of Intermolecular Coordinate Contributions to Third-Order Nonlinear-Optical Response of Liquids with a Quantum Harmonic-Oscillator Model 2000 , WB29		
47	On the relationships among special temperatures for supercooled liquids: A configuration space analysis. <i>Journal of Chemical Physics</i> , 2000 , 113, 3719-3722	3.9	9
46	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	3.9	50
45	Ultrafast Spectroscopic Studies of the Dynamics of Liquids Confined in Nanoporous Glasses. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 5421-5429	3.4	128
44	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	3.9	45
43	Mechanisms of Light Scattering in Supercooled Liquids. <i>Physical Review Letters</i> , 1999 , 83, 3550-3553	7.4	26
42	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	3.9	12

41	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> , 1999 , 111, 5116-5123	3.9	79
40	Molecular coordinates for instantaneous normal mode calculations. I. Coordinate dependence. <i>Journal of Chemical Physics</i> , 1999 , 110, 10410-10422	3.9	22
39	Exponential intermolecular dynamics in optical Kerr effect spectroscopy of small-molecule liquids. <i>Journal of Chemical Physics</i> , 1999 , 111, 2686-2694	3.9	120
38	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	3.4	54
37	Single-molecule detection with a two-photon fluorescence microscope with fast-scanning capabilities and polarization sensitivity. <i>Optics Letters</i> , 1999 , 24, 1832-4	3	24
36	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	3.4	60
35	Inhibition of Bubble Coalescence in Aqueous Solutions. 1. Electrolytes. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 5115-5119	3.4	44
34	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	3.4	59
33	Nonresonant intermolecular spectroscopy beyond the Placzek approximation. II. Fifth-order spectroscopy. <i>Journal of Chemical Physics</i> , 1998 , 109, 7913-7922	3.9	49
32	Non-Cartesian coordinates for instantaneous normal mode theory of atomic liquids. <i>Journal of Chemical Physics</i> , 1998 , 109, 9096-9100	3.9	10
31	Nonresonant intermolecular spectroscopy beyond the Placzek approximation. I. Third-order spectroscopy. <i>Journal of Chemical Physics</i> , 1998 , 109, 2814-2825	3.9	71
30	Rotational Diffusion of Microconfined Liquids. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 543, 33		
29	Level-dependent damping in intermolecular vibrations: Linear spectroscopy. <i>Journal of Chemical Physics</i> , 1997 , 106, 6901-6915	3.9	54
28	Polarization selectivity of nonresonant spectroscopies in isotropic media. <i>Journal of Chemical Physics</i> , 1997 , 107, 9726-9740	3.9	73
27	Dynamics of Confined Carbon Disulfide from 165 to 310 K. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 4005-4010	2.8	48
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