John T Fourkas

List of Publications by Year
in descending order

240 papers	9,809 citations	31976 53 h-index	40979 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. Nature Nanotechnology, 2021, 16, 902-910.	31.5	560
2	Multiphoton Fabrication. Angewandte Chemie - International Edition, 2007, 46, 6238-6258.	13.8	541
3	Achieving Î»/20 Resolution by One-Color Initiation and Deactivation of Polymerization. Science, 2009, 324, 910-913.	12.6	462
4	Multiphoton polymerization. Materials Today, 2007, 10, 30-37.	14.2	459
5	Recent progress in multiphoton microfabrication. Laser and Photonics Reviews, 2008, 2, 100-111.	8.7	353
6	Field-emission studies on thin films of zinc oxide nanowires. Applied Physics Letters, 2003, 83, 4821-4823.	3.3	269
7	Highly Efficient Multiphoton-Absorption-Induced Luminescence from Gold Nanoparticles. Nano Letters, 2005, 5, 1139-1142.	9.1	269
8	Critical Knowledge Gaps in Mass Transport through Single-Digit Nanopores: A Review and Perspective. Journal of Physical Chemistry C, 2019, 123, 21309-21326.	3.1	234
9	Acrylic-based resin with favorable properties for three-dimensional two-photon polymerization. Journal of Applied Physics, 2004, 95, 6072-6076.	2.5	184
10	Orientational Dynamics of Liquids Confined in Nanoporous Solâˆ'Gel Glasses Studied by Optical Kerr Effect Spectroscopy. Accounts of Chemical Research, 2003, 36, 605-612.	15.6	168
11	Rapid determination of the three-dimensional orientation of single molecules. Optics Letters, 2001, 26, 211.	3.3	158
12	Immobilization of Olefin Metathesis Catalysts on Monolithic Sol-Gel: Practical, Efficient, and Easily Recyclable Catalysts for Organic and Combinatorial Synthesis. Angewandte Chemie - International Edition, 2001, 40, 4251-4256.	13.8	158
13	Efficient and robust multiphoton data storage in molecular glasses and highly crosslinked polymers. Nature Materials, 2002, 1, 225-228.	27.5	154
14	Selective Functionalization of 3-D Polymer Microstructures. Journal of the American Chemical Society, 2006, 128, 1796-1797.	13.7	153
15	Time resolved fourâ€•and sixâ€wave mixing in liquids. I. Theory. Journal of Chemical Physics, 1996, 105, 7364-7382.	3.0	150
16	Optical Kerr Effect Spectroscopy of Simple Liquids. Journal of Physical Chemistry B, 2008, 112, 15529-15539.	2.6	145
17	Ultrafast Spectroscopic Studies of the Dynamics of Liquids Confined in Nanoporous Glasses. Journal of Physical Chemistry B, 2000, 104, 5421-5429.	2.6	133
18	Exponential intermolecular dynamics in optical Kerr effect spectroscopy of small-molecule liquids. Journal of Chemical Physics, 1999, 111, 2686-2694.	3.0	132

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19	Cellular Contact Guidance through Dynamic Sensing of Nanotopography. ACS Nano, 2014, 8, 3546-3555.	14.6	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.	6.0	121
21	Multiphoton laser direct writing of two-dimensional silver structures. Optics Express, 2005, 13, 1275.	3.4	119
22	Hydrodynamically Driven Selfâ€Assembly of Giant Vesicles of Metal Nanoparticles for Remoteâ€Controlled Release. Angewandte Chemie - International Edition, 2013, 52, 2463-2468.	13.8	118
23	Comparison of the Orientational Dynamics of Water Confined in Hydrophobic and Hydrophilic Nanopores. Journal of Physical Chemistry B, 2002, 106, 10292-10295.	2.6	110
24	Cell Shape Dynamics: From Waves to Migration. PLoS Computational Biology, 2012, 8, e1002392.	3.2	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.	7.1	98
26	Diffraction-Limited Photogeneration and Characterization of Silver Nanoparticles. Journal of Physical Chemistry B, 2004, 108, 1604-1612.	2.6	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.	2.6	96
28	Temperatureâ€dependent ultrafast solvation dynamics in a completely nonpolar system. Journal of Chemical Physics, 1993, 98, 7773-7785.	3.0	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.	3.0	84
30	Timeâ€resolved nonpolar solvation dynamics in supercooled and low viscosity nâ€butylbenzene. Journal of Chemical Physics, 1993, 99, 8552-8558.	3.0	80
31	Continuous Microfluidic Selfâ€Assembly of Hybrid Janusâ€Like Vesicular Motors: Autonomous Propulsion and Controlled Release. Small, 2015, 11, 3762-3767.	10.0	80
32	Simplified setup for high-resolution spectroscopy that uses ultrashort pulses. Optics Letters, 2003, 28, 361.	3.3	78
33	Polarization selectivity of nonresonant spectroscopies in isotropic media. Journal of Chemical Physics, 1997, 107, 9726-9740.	3.0	76
34	Nanoscale imaging and spontaneous emission control with a single nano-positioned quantum dot. Nature Communications, 2013, 4, 1447.	12.8	76
35	Nonresonant intermolecular spectroscopy beyond the Placzek approximation. I. Third-order spectroscopy. Journal of Chemical Physics, 1998, 109, 2814-2825.	3.0	74
36	Interfacial Organization of Acetonitrile: Simulation and Experiment. Journal of Physical Chemistry C, 2010, 114, 17651-17659.	3.1	74

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37	Asymmetric nanotopography biases cytoskeletal dynamics and promotes unidirectional cell guidance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12557-12562.	7.1	70
38	Structure of hexamethylene triperoxide diamine. Journal of the American Chemical Society, 1985, 107, 2461-2463.	13.7	66
39	Picosecond time-scale phase-related optical pulses: measurement of sodium optical coherence decay by observation of incoherent fluorescence. Journal of the Optical Society of America B: Optical Physics, 1989, 6, 1905.	2.1	66
40	Theory of nonlinear optical experiments with harmonic oscillators. Journal of Chemical Physics, 1995, 103, 4393-4407.	3.0	65
41	The transient grating: a holographic window to dynamic processes. Accounts of Chemical Research, 1992, 25, 227-233.	15.6	64
42	Evidence for the Direct Observation of Molecular Exchange of a Liquid at the Solid/Liquid Interface. Journal of Physical Chemistry B, 1998, 102, 5409-5412.	2.6	62
43	Second- and third-harmonic generation with vector Gaussian beams. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2134.	2.1	62
44	Geometric Effects in the Dynamics of a Nonwetting Liquid in Microconfinement:Â An Optical Kerr Effect Study of Methyl Iodide in Nanporous Glasses. Journal of Physical Chemistry B, 1998, 102, 10288-10294.	2.6	60
45	Multiphoton photoresists giving nanoscale resolution that is inversely dependent on exposure time. Nature Chemistry, 2011, 3, 223-227.	13.6	60
46	Level-dependent damping in intermolecular vibrations: Linear spectroscopy. Journal of Chemical Physics, 1997, 106, 6901-6915.	3.0	59
47	Polymer microcantilevers fabricated via multiphoton absorption polymerization. Applied Physics Letters, 2005, 86, 064105.	3.3	57
48	Nanoscale Photolithography with Visible Light. Journal of Physical Chemistry Letters, 2010, 1, 1221-1227.	4.6	57
49	Coupling Emission from Single Localized Defects in Two-Dimensional Semiconductor to Surface Plasmon Polaritons. Nano Letters, 2017, 17, 6564-6568.	9.1	57
50	Nonresonant intermolecular spectroscopy beyond the Placzek approximation. II. Fifth-order spectroscopy. Journal of Chemical Physics, 1998, 109, 7913-7922.	3.0	56
51	Effects of Reorientation in Vibrational Sum-Frequency Spectroscopyâ€. Journal of Physical Chemistry C, 2007, 111, 8902-8915.	3.1	56
52	Extremely Slow Dynamics of a Weakly Wetting Liquid at a Solid/Liquid Interface:â€‰ CS2 Confined in Nanoporous Glasses. Journal of Physical Chemistry B, 1999, 103, 6061-6068.	2.6	55
53	Instantaneous normal mode theory of more complicated correlation functions: Third- and fifth-order optical response. Journal of Chemical Physics, 2000, 112, 287-293.	3.0	53
54	Structure and Dynamics of Benzene Confined in Silica Nanopores. Journal of Physical Chemistry C, 2011, 115, 15471-15479.	3.1	53

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55	The grating decomposition method: A new approach for understanding polarizationâ€selective transient grating experiments. I. Theory. Journal of Chemical Physics, 1992, 97, 69-77.	3.0	52
56	Controlled Defects in Semiconducting Carbon Nanotubes Promote Efficient Generation and Luminescence of Trions. ACS Nano, 2014, 8, 4239-4247.	14.6	52
57	Temperature dependence of the dielectric function of C6H6(l) and C6H5CH3(l) measured with THz spectroscopy. Journal of Chemical Physics, 2000, 113, 3749-3756.	3.0	51
58	Direct Laser Patterning of Conductive Wires on Three-Dimensional Polymeric Microstructures. Chemistry of Materials, 2006, 18, 2038-2042.	6.7	49
59	Nanoscale probing of image-dipole interactions in a metallic nanostructure. Nature Communications, 2015, 6, 6558.	12.8	49
60	Dynamics of Confined Carbon Disulfide from 165 to 310 K. Journal of Physical Chemistry A, 1997, 101, 4005-4010.	2.5	48
61	Inhibition of Bubble Coalescence in Aqueous Solutions. 1. Electrolytes. Journal of Physical Chemistry B, 1998, 102, 5115-5119.	2.6	46
62	Effect of the resin viscosity on the writing properties of two-photon polymerization. Optical Materials Express, 2019, 9, 2601.	3.0	44
63	Spatially encoded, single-shot ultrafast spectroscopies. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 155.	2.1	43
64	Ultrafast Orientational Dynamics of Nanoconfined Benzene. Journal of Physical Chemistry B, 2005, 109, 12724-12730.	2.6	43
65	Effects of Molecular Association on Polarizability Relaxation in Liquid Mixtures of Benzene and Hexafluorobenzene. Journal of Physical Chemistry B, 2005, 109, 24085-24099.	2.6	42
66	Photochemical Synthesis and Multiphoton Luminescence of Monodisperse Silver Nanocrystals. Plasmonics, 2006, 1, 45-51.	3.4	39
67	Positioning and Immobilization of Individual Quantum Dots with Nanoscale Precision. Nano Letters, 2010, 10, 4673-4679.	9.1	39
68	Simultaneous microscale optical manipulation, fabrication and immobilisation in aqueous media. Chemical Science, 2012, 3, 2449.	7.4	39
69	Contractility, focal adhesion orientation, and stress fiber orientation drive cancer cell polarity and migration along wavy ECM substrates. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	39
70	HIGHER-ORDEROPTICALCORRELATIONSPECTROSCOPY INLIQUIDS. Annual Review of Physical Chemistry, 2002, 53, 17-40.	10.8	37
71	Ten years of two-color photolithography [Invited]. Optical Materials Express, 2019, 9, 3006.	3.0	36
72	Temperature-Dependent Optical Kerr Effect Spectroscopy of Aromatic Liquids. Journal of Physical Chemistry B, 2006, 110, 5708-5720.	2.6	35

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73	2-Colour photolithography. Physical Chemistry Chemical Physics, 2014, 16, 8731.	2.8	35
74	Nitriles at Silica Interfaces Resemble Supported Lipid Bilayers. Accounts of Chemical Research, 2016, 49, 1605-1613.	15.6	35
75	Nonpolar Adsorption at the Silica/Methanol Interface: Surface Mediated Polarity and Solvent Density across a Strongly Associating Solid/Liquid Boundary. Journal of Physical Chemistry C, 2013, 117, 27052-27061.	3.1	34
76	Production, Analysis, and Application of Spatially Resolved Shells in Solid-Phase Polymer Spheres. Journal of the American Chemical Society, 2002, 124, 1994-2003.	13.7	33
77	The Characterization of Absorptive Nonlinearities. Laser and Photonics Reviews, 2017, 11, 1700106.	8.7	33
78	Reversible tuning of photonic crystal cavities using photochromic thin films. Applied Physics Letters, 2010, 96, 153303.	3.3	31
79	Polarization-assisted transverse and axial optical superresolution. Optics Express, 2003, 11, 1714.	3.4	30
80	In situ measurement of the effective nonlinear absorption order in multiphoton photoresists. Laser and Photonics Reviews, 2016, 10, 849-854.	8.7	30
81	Picosecond polarizationâ€selective transient grating experiments in sodiumâ€seeded flames. Journal of Chemical Physics, 1991, 95, 5775-5784.	3.0	28
82	Mechanisms of Light Scattering in Supercooled Liquids. Physical Review Letters, 1999, 83, 3550-3553.	7.8	28
83	Intermolecular Dynamics and Structure of Carbon Disulfide in Isoviscous Alkane Solutions:Â An Optical Kerr Effect Study. Journal of Physical Chemistry B, 2003, 107, 44-51.	2.6	28
84	Highâ€Performance Microring Resonators Fabricated with Multiphoton Absorption Polymerization. Advanced Materials, 2008, 20, 3668-3671.	21.0	28
85	Local and global measures of shape dynamics. Physical Biology, 2011, 8, 055001.	1.8	28
86	Pulse-length-limited ultrafast pumpâ€"probe spectroscopy in a single laser shot. Optics Letters, 1994, 19, 643.	3.3	27
87	Actin Cytoskeleton and Focal Adhesions Regulate the Biased Migration of Breast Cancer Cells on Nanoscale Asymmetric Sawteeth. ACS Nano, 2019, 13, 1454-1468.	14.6	27
88	Development of Optically-Driven Metallic Microrotors Using Two-Photon Microfabrication. Journal of Laser Micro Nanoengineering, 2013, 8, 6-10.	0.1	27
89	Single-molecule detection with a two-photon fluorescence microscope with fast-scanning capabilities and polarization sensitivity. Optics Letters, 1999, 24, 1832.	3.3	26
90	Temperature-dependent optical Kerr effect spectroscopy of chloroform in restricted geometries. Chemical Physics, 2000, 253, 323-330.	1.9	26

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91	Shape and Electrostatic Effects in Optical Kerr Effect Spectroscopy of Aromatic Liquids. Journal of Physical Chemistry B, 2008, 112, 15342-15348.	2.6	26
92	Multiphoton-Absorption-Induced-Luminescence (MAIL) Imaging of Tumor-Targeted Gold Nanoparticles. Bioconjugate Chemistry, 2010, 21, 1968-1977.	3.6	26
93	Subcellular topography modulates actin dynamics and signaling in B-cells. Molecular Biology of the Cell, 2018, 29, 1732-1742.	2.1	26
94	Quantifying topography-guided actin dynamics across scales using optical flow. Molecular Biology of the Cell, 2020, 31, 1753-1764.	2.1	26
95	Relationship between kinetics and thermodynamics of supercooled liquids. Journal of Chemical Physics, 2001, 114, 10577-10578.	3.0	25
96	Field-Enhanced Phenomena of Gold Nanoparticles. Journal of Physical Chemistry A, 2009, 113, 4416-4422.	2.5	25
97	Reexamining the interpretation of vibrational sum-frequency generation spectra. International Reviews in Physical Chemistry, 2011, 30, 409-443.	2.3	25
98	Polymeric Ligand-Mediated Regioselective Bonding of Plasmonic Nanoplates and Nanospheres. Journal of the American Chemical Society, 2020, 142, 17282-17286.	13.7	25
99	Engineering DNA-electrode connectivities: manipulation of linker length and structure. Analytica Chimica Acta, 2003, 496, 81-91.	5.4	24
100	Completely non-polar solvation as a probe of mechanical relaxation in glass-forming liquids. Journal of Non-Crystalline Solids, 1994, 172-174, 234-240.	3.1	23
101	Molecular coordinates for instantaneous normal mode calculations. I. Coordinate dependence. Journal of Chemical Physics, 1999, 110, 10410-10422.	3.0	23
102	n -alkane adsorption to polar silica surfaces. Journal of Chemical Physics, 2010, 132, 114701.	3.0	22
103	Direct Observation of Different Mechanisms for the Inhibition of Molecular Reorientation at a Solid/Liquid Interface. Journal of Physical Chemistry B, 2002, 106, 12863-12865.	2.6	20
104	Ti:sapphire, broadband vibrational sum-frequency generation spectrometer with a counter-propagating geometry. Optics Express, 2009, 17, 14665.	3.4	20
105	Replication of biocompatible, nanotopographic surfaces. Scientific Reports, 2018, 8, 564.	3.3	20
106	Fabrication of Three-Dimensional Metalized Movable Microstructures by the Combination of Two-Photon Microfabrication and Electroless Plating. Japanese Journal of Applied Physics, 2012, 51, 06FL17.	1.5	19
107	Quantitative Measure of Hydrophobicity:â€‰ Experiment and Theory. Journal of Physical Chemistry B, 1997, 101, 5777-5779.	2.6	18
108	Photolithographic Patterning of Ring-Opening Metathesis Catalysts on Silicon. Advanced Materials, 2005, 17, 39-42.	21.0	18

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109	Persistence of Acetonitrile Bilayers at the Interface of Acetonitrile/Water Mixtures with Silica. Journal of Physical Chemistry A, 2013, 117, 12060-12066.	2.5	18
110	Nanostructure-Induced Distortion in Single-Emitter Microscopy. Nano Letters, 2016, 16, 5415-5419.	9.1	18
111	Behavior of Organic Liquids at Bare and Modified Silica Interfaces. Journal of Physical Chemistry C, 2010, 114, 394-402.	3.1	17
112	Structure of Liquid Propionitrile at Interfaces. 1. Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2012, 116, 4012-4018.	3.1	17
113	Topography on a subcellular scale modulates cellular adhesions and actin stress fiber dynamics in tumor associated fibroblasts. Physical Biology, 2017, 14, 065003.	1.8	17
114	Picosecond time-resolved four-wave mixing experiments in sodium-seeded flames. Optics Letters, 1991, 16, 177.	3.3	16
115	Metal-Enhanced Multiphoton Absorption Polymerization with Gold Nanowires. Journal of Physical Chemistry C, 2010, 114, 7774-7779.	3.1	16
116	The grating decomposition method: A new approach for understanding polarizationâ€selective transient grating experiments. II. Applications. Journal of Chemical Physics, 1992, 97, 78-85.	3.0	15
117	Searching for Voids in Liquids with Optical Kerr Effect Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 8656-8663.	2.6	15
118	Binary and Gray-Scale Patterning of Chemical Functionality on Polymer Films. Journal of the American Chemical Society, 2008, 130, 13512-13513.	13.7	14
119	Fundamentals of Two-Photon Fabrication. , 2016, , 45-61.		13
120	Molecular coordinates for instantaneous normal mode calculations. II. Application to CS2 and other triatomics. Journal of Chemical Physics, 1999, 110, 10423-10432.	3.0	12
121	Experimental demonstration of polarization-assisted transverse and axial optical superresolution. Optics Communications, 2004, 241, 315-319.	2.1	12
122	Orientational diffusion ofn-alkyl cyanides. Journal of Physics Condensed Matter, 2005, 17, S4105-S4118.	1.8	12
123	Multidimensional raman spectroscopy. Advances in Chemical Physics, 2007, , 235-274.	0.3	12
124	Assessing the Role of Moment of Inertia in Optical Kerr Effect Spectroscopy. Journal of Physical Chemistry B, 2010, 114, 12096-12103.	2.6	12
125	Elucidating complex triplet-state dynamics in the model system isopropylthioxanthone. IScience, 2022, 25, 103600.	4.1	12
126	Temperature-Dependent Orientational Dynamics of 1,n-Dicyano n-Alkanes. Journal of Physical Chemistry B, 2008, 112, 3115-3120.	2.6	11

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127	Reorientation-Induced Spectral Diffusion in Vibrational Sum-Frequency-Generation Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 15875-15885.	2.6	11
128	Fabrication of Three-Dimensional Metalized Movable Microstructures by the Combination of Two-Photon Microfabrication and Electroless Plating. Japanese Journal of Applied Physics, 2012, 51, 06FL17.	1.5	11
129	Non-Cartesian coordinates for instantaneous normal mode theory of atomic liquids. Journal of Chemical Physics, 1998, 109, 9096-9100.	3.0	10
130	On the relationships among special temperatures for supercooled liquids: A configuration space analysis. Journal of Chemical Physics, 2000, 113, 3719-3722.	3.0	10
131	Optical Kerr Effect Spectroscopy Using Time-Delayed Pairs of Pump Pulses with Orthogonal Polarizationsâ€. Journal of Physical Chemistry B, 2005, 109, 8481-8488.	2.6	10
132	Structure of Liquid Propionitrile at Interfaces. 2. Experiment. Journal of Physical Chemistry C, 2012, 116, 4019-4025.	3.1	10
133	Fabrication of Nanoassemblies Using Flow Control. Nano Letters, 2013, 13, 3936-3941.	9.1	10
134	Orientational Time Correlation Functions for Vibrational Sum-Frequency Generation. 1. Acetonitrile. Journal of Physical Chemistry A, 2013, 117, 5853-5864.	2.5	10
135	Role of the dense amorphous carbon layer in photoresist etching. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, 021304.	2.1	10
136	Structure and dynamics of acetonitrile: Molecular simulation and neutron scattering. Journal of Molecular Liquids, 2022, 348, 118423.	4.9	10
137	In Situ Observation of Molecular Diffusion in Solid Supports Using Two-Photon Fluorescence Microscopy. ACS Combinatorial Science, 2005, 7, 54-57.	3.3	9
138	Gradient Elution Moving Boundary Electrophoresis with Field-Amplified Continuous Sample Injection. Analytical Chemistry, 2014, 86, 3625-3632.	6.5	9
139	Toward in Situ Measurement of the Density of Liquid Benzene Using Optical Kerr Effect Spectroscopy. Journal of Physical Chemistry B, 2016, 120, 9103-9114.	2.6	9
140	Methods for Determining the Effective Order of Absorption in Radical Multiphoton Photoresists: A Critical Analysis. Laser and Photonics Reviews, 2021, 15, 2000203.	8.7	9
141	Cortical waves mediate the cellular response to electric fields. ELife, 2022, 11, .	6.0	9
142	Efficient multiphoton polymerization for the fabrication of 3-dimensional microstructures. Synthetic Metals, 2003, 135-136, 11-12.	3.9	8
143	Assessing Polarizability Models for the Simulation of Low-Frequency Raman Spectra of Benzene. Journal of Physical Chemistry B, 2015, 119, 9345-9358.	2.6	8
144	Empirical Analysis of Optical Kerr Effect Spectra: A Case for Constraint. Journal of Physical Chemistry B, 2017, 121, 11376-11382.	2.6	8

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145	Fundamentals of two-photon fabrication. , 2020, , 57-76.		8
146	The electricalâ€double layer revisited. Natural Sciences, 2022, 2, .	2.1	8
147	Flame temperature measurement using picosecond transient grating experiments. Chemical Physics Letters, 1993, 203, 344-348.	2.6	7
148	Mode-Selective Optical Kerr Effect Spectroscopy. Journal of Physical Chemistry B, 2004, 108, 3384-3386.	2.6	7
149	Achieving Ultrahigh Concentrations of Fluorescent Singleâ€Walled Carbon Nanotubes Using Smallâ€Molecule Viscosity Modifiers. Small, 2013, 9, 241-247.	10.0	7
150	Determination of the contributions of two simultaneous absorption orders using 2-beam action spectroscopy. Optics Express, 2018, 26, 9492.	3.4	7
151	Actin Dynamics as a Multiscale Integrator of Cellular Guidance Cues. Frontiers in Cell and Developmental Biology, 2022, 10, 873567.	3.7	7
152	Orientational Time Correlation Functions for Vibrational Sum-Frequency Generation. 2. Propionitrile. Journal of Physical Chemistry B, 2014, 118, 8406-8419.	2.6	6
153	Probing Multiphoton Photophysics Using Two-Beam Action Spectroscopy. Journal of Physical Chemistry A, 2018, 122, 6643-6653.	2.5	6
154	Evolution of photoresist layer structure and surface morphology under fluorocarbonâ€based plasma exposure. Plasma Processes and Polymers, 2019, 16, 1900026.	3.0	6
155	Grand Challenges in Nanofabrication: There Remains Plenty of Room at the Bottom. Frontiers in Nanotechnology, 2021, 3, .	4.8	6
156	Antiresonant-ring Kerr spectroscopy. Optics Express, 2007, 15, 6561.	3.4	5
157	RAPID Lithography: New Photoresists Achieve Nanoscale Resolution. Optics and Photonics News, 2011, 22, 24.	0.5	5
158	Structure and Dynamics of Trimethylacetonitrile at the Silica/Vapor, Silica/Liquid, and Liquid/Vapor Interfaces. Journal of Physical Chemistry C, 2012, 116, 7000-7009.	3.1	5
159	Orientational Time Correlation Functions for Vibrational Sum-Frequency Generation. 3. Methanol. Journal of Physical Chemistry C, 2015, 119, 5542-5550.	3.1	5
160	Rapid, in-line, non-interferometric auto- and cross-correlator for microscopy. Optics Express, 2006, 14, 111215.	3.4	5
161	Multiple Time Scales in the Nonpolar Solvation Dynamics of Supercooled Liquids. ACS Symposium Series, 1997, , 199-211.	0.5	4
162	Reorientational Dynamics of Water Confined in Nanopores. ACS Symposium Series, 2004, , 193-204.	0.5	4

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163	Nanosensing: The Art of Seeing Things Invisible. Journal of Physical Chemistry Letters, 2011, 2, 2945-2945.	4.6	4
164	Effect of Temperature on the Organization of Acetonitrile at the Silica/Liquid Interface. Journal of Physical Chemistry C, 2017, 121, 26432-26437.	3.1	4
165	Extracting Information on Linear and Nonlinear Absorption from Two-Beam Action Spectroscopy Data. Journal of Physical Chemistry A, 2019, 123, 7314-7322.	2.5	4
166	The structure of a tricyclic peroxide. Acta Crystallographica Section C: Crystal Structure Communications, 1986, 42, 1395-1397.	0.4	3
167	Extra resonances in time-domain four-wave mixing. Optics Letters, 1993, 18, 781.	3.3	3
168	Relationship between dynamical and equilibrium characteristics of glass-forming polymeric liquids. Physical Review E, 2001, 64, 010501.	2.1	3
169	Cellular Contact Guidance through Dynamic Sensing of Surface Topography. Biophysical Journal, 2013, 104, 148a.	0.5	3
170	Cell Motility and Nanolithography. , 2016, , 335-344.		3
171	How clean is the solvent you use to clean your optics? A vibrational sum-frequency-generation study. Applied Optics, 2017, 56, 3875.	2.1	3
172	Multiphoton photopolymerization with a Ti:sapphire oscillator. , 2002, , .		2
173	Vibrational Dynamics in Porous Silica Glasses Studied by Time-Resolved Coherent Anti-Stokes Raman Scattering. ACS Symposium Series, 2002, , 160-168.	0.5	2
174	Polarization Selectivity of Third-Order and Fifth-Order Raman Spectroscopies in Liquids and Solids. Journal of Physical Chemistry A, 2007, 111, 9627-9631.	2.5	2
175	Multiphoton lithography, processing and fabrication of photonic structures. , 2012, , 139-161.		2
176	MAP-Fabricated Acrylic Double Ring Resonators (DRRs) with Expanded Free Spectral Range (FSR). , 2013, , .		2
177	The JPC Periodic Table. Journal of Physical Chemistry A, 2019, 123, 5837-5848.	2.5	2
178	The JPC Periodic Table. Journal of Physical Chemistry Letters, 2019, 10, 4051-4062.	4.6	2
179	Dephasing-induced nonlinear vibrational spectroscopy. , 0, , .		1
180	A Brief Introduction to Supercooled Liquids. ACS Symposium Series, 1997, , 2-12.	0.5	1

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181	New Perspectives on Liquid Dynamics. ACS Symposium Series, 2002, , 2-11.	0.5	1
182	Novel ZnO nanostructures. , 2003, 5219, 99.		1
183	The adventures of Dicty, the Dictyostelium cell. Chaos, 2009, 19, 041110.	2.5	1
184	Fabrication of High-Performance Optical Devices Using Multiphoton Absorption Polymerization. ACS Symposium Series, 2010, , 129-137.	0.5	1
185	Creation of multimaterial micro- and nanostructures through aqueous-based fabrication, manipulation, and immobilization. , 2014, , .		1
186	Actin Dynamics and Signaling Activation of B Lymphocytes Respond to Substrate Topography. Biophysical Journal, 2015, 108, 455a.	0.5	1
187	Multicolor, visible-light nanolithography. Proceedings of SPIE, 2015, , .	0.8	1
188	The International Year of Light and the Chemistry Classroom. Journal of Physical Chemistry Letters, 2015, 6, 3882-3883.	4.6	1
189	The JPC Periodic Table. Journal of Physical Chemistry B, 2019, 123, 5973-5984.	2.6	1
190	The JPC Periodic Table. Journal of Physical Chemistry C, 2019, 123, 17063-17074.	3.1	1
191	The state of the art in multicolor visible photolithography. , 2018, , .		1
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