

# Patrick Stoller

## List of Publications by Citations

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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.

24  
papers

1,657  
citations

14  
h-index

27  
g-index

27  
ext. papers

1,923  
ext. citations

4.6  
avg, IF

4.14  
L-index

#	Paper	IF	Citations
24	Detection and spectroscopy of gold nanoparticles using supercontinuum white light confocal microscopy. <i>Physical Review Letters</i> , <b>2004</b> , 93, 037401	7.4	367
23	Polarization-modulated second harmonic generation in collagen. <i>Biophysical Journal</i> , <b>2002</b> , 82, 3330-42	2.9	297
22	Polarization-dependent optical second-harmonic imaging of a rat-tail tendon. <i>Journal of Biomedical Optics</i> , <b>2002</b> , 7, 205-14	3.5	183
21	Interferometric optical detection and tracking of very small gold nanoparticles at a water-glass interface. <i>Optics Express</i> , <b>2006</b> , 14, 405-14	3.3	146
20	Ubiquity of quasi-horizontal layers in the troposphere. <i>Nature</i> , <b>1999</b> , 398, 316-319	50.4	126
19	Quantitative second-harmonic generation microscopy in collagen. <i>Applied Optics</i> , <b>2003</b> , 42, 5209-19	1.7	109
18	Measurement of the complex dielectric constant of a single gold nanoparticle. <i>Optics Letters</i> , <b>2006</b> , 31, 2474-6	3	81
17	. <i>IEEE Transactions on Plasma Science</i> , <b>2013</b> , 41, 2359-2369	1.3	67
16	Effects of high repetition rate and beam size on hard tissue damage due to subpicosecond laser pulses. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 4001-4003	3.4	52
15	Measurements of atmospheric layers from the NASA DC-8 and P-3B aircraft during PEM-Tropics A. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 5745-5764		43
14	Mixtures of CO <sub>2</sub> and C <sub>5</sub> F <sub>10</sub> O perfluoroketone for high voltage applications. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 2712-2721	2.3	42
13	When the genome plays dice: circumvention of the spindle assembly checkpoint and near-random chromosome segregation in multipolar cancer cell mitoses. <i>PLoS ONE</i> , <b>2008</b> , 3, e1871	3.7	40
12	Absolute measurement of molecular two-photon absorption cross-sections using a fluorescence saturation technique. <i>Optics Express</i> , <b>2006</b> , 14, 8434-47	3.3	31
11	Femtosecond lasers in fluid-inclusion analysis: overcoming metastable phase states. <i>European Journal of Mineralogy</i> , <b>2007</b> , 19, 693-706	2.2	28
10	Femtosecond lasers in fluid inclusion analysis: Three-dimensional imaging and determination of inclusion volume in quartz using second harmonic generation microscopy. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 253, 359-368	5.3	13
9	. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2017</b> , 24, 1582-1591	2.3	12
8	Three-Dimensional Geometry of Collagenous Tissues by Second Harmonic Polarimetry. <i>Scientific Reports</i> , <b>2017</b> , 7, 2642	4.9	11

7	Some Aspects of Current Interruption Physics in High Voltage Circuit Breakers. <i>Contributions To Plasma Physics</i> , <b>2014</b> , 54, 225-234	1.4	3
6	Second harmonic generation in collagen <b>2003</b> ,		3
5	Combined scattering confocal and multiphoton luminescence imaging of gold nanospheres <b>2008</b> ,		1
4	Multiphoton imaging of ultrashort pulse laser ablation in the intracellular parasite <i>Theileria</i> . <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 044021	3.5	1
3	Behavior of Eco-Efficient Insulation Mixtures Under Internal-Arc-Like Conditions. <i>IEEE Transactions on Plasma Science</i> , <b>2021</b> , 1-12	1.3	1
2	Electronic circuit for measuring the current slope ( $di/dt$ ) and the post-arc current in gas-filled circuit breakers. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 024704	1.7	
1	Numerical Investigation, Including Experimental Validation, of an Axially Blown, Stable Arc in Argon. <i>Plasma Physics and Technology</i> , <b>2019</b> , 6, 78-81	0.4	