

# Dimitrios Sofikitis

## List of Publications by Year in descending order

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40  
papers

578  
citations

623734

14  
h-index

642732

23  
g-index

40  
all docs

40  
docs citations

40  
times ranked

496  
citing authors

#	ARTICLE	IF	CITATIONS
1	A nanosecond-resolved atomic hydrogen magnetometer. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21521-21531.	2.8	1
2	Ultrahigh-density spin-polarized hydrogen isotopes from the photodissociation of hydrogen halides: new applications for laser-ion acceleration, magnetometry, and polarized nuclear fusion. <i>Light: Science and Applications</i> , 2021, 10, 35.	16.6	14
3	Depolarization of spin-polarized hydrogen via collisions with chlorine atoms at ultrahigh density. <i>Chemical Physics Impact</i> , 2021, 2, 100022.	3.5	4
4	Observation of a Freeman resonance in the femtosecond ionization of Methyl Iodide. <i>Chemical Physics Letters</i> , 2020, 759, 137984.	2.6	3
5	Gas-phase optical activity measurements using a compact cavity ringdown polarimeter. <i>Laser Physics</i> , 2020, 30, 075602.	1.2	9
6	Optical activity of lysozyme in solution at 532Ånm via signal-reversing cavity ring-down polarimetry. <i>Chemical Physics Letters</i> , 2020, 747, 137345.	2.6	7
7	Spin-Polarized Hydrogen Depolarization Rates at High Hydrogen Halide Pressures: Hyperfine Depolarization via the $\text{HY}\epsilon\text{H}$ Complex. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8130-8134.	2.5	3
8	Photofragment spin-polarization measurements <i>via</i> magnetization quantum beats: dynamics of DI photodissociation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14000-14004.	2.8	2
9	Polarized proton beams from laser-induced plasmas. <i>High Power Laser Science and Engineering</i> , 2019, 7, .	4.6	25
10	Polarized proton beams from a laser-plasma accelerator. <i>International Journal of Modern Physics A</i> , 2019, 34, 1942028.	1.5	9
11	<a href="#">Nuclear-spin-polarization dynamics of <math>\text{H}_2</math> and <math>\text{D}_2</math> molecules in magnetic fields. <i>Physical Review A</i>, 2018, 98, .</a>	2.5	2
12	Cavity-based Chiral Polarimetry. , 2018, , 649-678.		2
13	Exit-channel recoil resonances by imaging the photodissociation of single quantum-state-selected OCS molecules. <i>Physical Review A</i> , 2018, 98, .	2.5	5
14	Ultrahigh-Density Spin-Polarized H and D Observed via Magnetization Quantum Beats. <i>Physical Review Letters</i> , 2018, 121, 083001.	7.8	27
15	Recoil Inversion in the Photodissociation of Carbonyl Sulfide near 234Ånm. <i>Physical Review Letters</i> , 2017, 118, 253001.	7.8	11
16	Highly Nuclear-Spin-Polarized Deuterium Atoms from the UV Photodissociation of Deuterium Iodide. <i>Physical Review Letters</i> , 2017, 118, 233401.	7.8	25
17	Mesoscopic production of hyperpolarized $\text{N}_2^{15}\text{O}$ and $\text{H}_2\text{O}$ via optical excitation. <i>Physical Review A</i> , 2015, 92, .	2.5	2
18	Chiral cavity ring down polarimetry: Chirality and magnetometry measurements using signal reversals. <i>Journal of Chemical Physics</i> , 2015, 143, 104202.	3.0	32

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19	Microsecond-resolved SDR-based cavity ring down ellipsometry. <i>Applied Optics</i> , 2015, 54, 5861.	2.1	9
20	Stark shift and parity nonconservation for near-degenerate states of xenon. <i>Physical Review A</i> , 2014, 89, .	2.5	0
21	Evanescent-wave and ambient chiral sensing by signal-reversing cavity ringdown polarimetry. <i>Nature</i> , 2014, 514, 76-79.	27.8	107
22	Sensitivity enhancement for evanescent-wave sensing using cavity-ring-down ellipsometry. <i>Optics Letters</i> , 2013, 38, 1224.	3.3	9
23	Loading a dipole trap from an atomic reservoir. <i>European Physical Journal D</i> , 2011, 61, 437-442.	1.3	8
24	(2+1) laser-induced fluorescence of spin-polarized hydrogen atoms. <i>Journal of Chemical Physics</i> , 2010, 133, 174308.	3.0	3
25	Vibrational cooling of cold molecules with optimised shaped pulses. <i>Molecular Physics</i> , 2010, 108, 795-810.	1.7	9
26	Vibrational cooling of cesium molecules using noncoherent broadband light. <i>Physical Review A</i> , 2009, 80, .	2.5	22
27	Broadband Vibrational Cooling of Cold Cesium Molecules: Theory and Experiments. <i>Chinese Journal of Chemical Physics</i> , 2009, 22, 149-156.	1.3	5
28	Cold cesium molecules: from formation to cooling. <i>Journal of Modern Optics</i> , 2009, 56, 2089-2099.	1.3	12
29	Molecular vibrational cooling by optical pumping with shaped femtosecond pulses. <i>New Journal of Physics</i> , 2009, 11, 055037.	2.9	28
30	Broadband lasers to detect and cool the vibration of cold molecules. <i>Faraday Discussions</i> , 2009, 142, 257.	3.2	5
31	Time-dependent depolarization of aligned HD molecules. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 142-147.	2.8	17
32	Laser detection of spin-polarized hydrogen from HCl and HBr photodissociation: Comparison of H- and halogen-atom polarizations. <i>Journal of Chemical Physics</i> , 2008, 129, 144302.	3.0	28
33	Nanosecond control and high-density production of spin-polarized hydrogen atoms. <i>Europhysics Letters</i> , 2008, 81, 68002.	2.0	15
34	Preparation of oriented and aligned H <sub>2</sub> and HD by stimulated Raman pumping. <i>Journal of Chemical Physics</i> , 2008, 129, 084312.	3.0	20
35	Photofragment slice imaging studies of pyrrole and the Xe <sup>+</sup> pyrrole cluster. <i>Journal of Chemical Physics</i> , 2007, 127, 064306.	3.0	43
36	Optical control of ground-state atomic orbital alignment: Cl( <sup>3</sup> P <sub>2</sub> ) atoms from HCl( $v=2, J=1$ ) photodissociation. <i>Journal of Chemical Physics</i> , 2007, 127, 144307.	3.0	15

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37	<p>Observation and control of time-dependent polarization transfer from</p> $\text{H} \langle \text{Cl} \rangle$ <p>molecular rotation</p>	2.5	18
38	<p>Laser preparation of spin-polarized atoms from molecular photodissociation. Physica Scripta, 2006, 73, C71-C75.</p>	2.5	3
39	<p>Time-dependent polarization transfer from molecular rotation to nuclear spin. Physical Review A, 2006, 74, .</p>	2.5	19
40	<p>Wavelength dependence of the angular distribution of the Coulomb explosion in the femtosecond ionisation of methyl iodide. Molecular Physics, 0, , .</p>	1.7	0