

# Sharly Fleischer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7282644/publications.pdf>

Version: 2024-02-01

27  
papers

1,121  
citations

687363

13  
h-index

580821

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1105  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Operando</i> Terahertz Spectroscopy of Solid Electrolyte Interphase Evolution on Silicon Anodes. <i>Batteries and Supercaps</i> , 2022, 5, .	4.7	4
2	Molecular Orientation-Induced Second-Harmonic Generation: Deciphering Different Contributions Apart. <i>Journal of Physical Chemistry A</i> , 2022, 126, 3732-3738.	2.5	5
3	Strong Coupling in a Self-Coupled Terahertz Photonic Crystal. , 2021, , .		0
4	Strong Coupling in a Self-Coupled Terahertz Photonic Crystal. <i>ACS Photonics</i> , 2021, 8, 1881-1888.	6.6	12
5	Low-Power Laser Ignition of an Antenna-Type Secondary Energetic Copper Complex: Synthesis, Characterization, Evaluation, and Ignition Mechanism Studies. <i>Inorganic Chemistry</i> , 2021, 60, 10909-10922.	4.0	3
6	Intrinsic Calibration of Molecular Alignment Using Rotational Echoes. , 2021, , .		0
7	Intrinsic calibration of laser-induced molecular alignment using rotational echoes. <i>Physical Review Research</i> , 2020, 2, .	3.6	5
8	Enhanced spatial resolution of terahertz spectroscopy via semiconductor photoexcitation. <i>OSA Continuum</i> , 2020, 3, 3365.	1.8	3
9	Strong coupling of collective intermolecular vibrations in organic materials at terahertz frequencies. <i>Nature Communications</i> , 2019, 10, 3248.	12.8	85
10	Differential chopping controller with high-resolution and accuracy using digital signal processor. <i>Review of Scientific Instruments</i> , 2019, 90, 076106.	1.3	1
11	Generation of spatiotemporally tailored terahertz wavepackets by nonlinear metasurfaces. <i>Nature Communications</i> , 2019, 10, 1778.	12.8	76
12	The effects of sample conductivity on the efficacy of dynamic nuclear polarization for sensitivity enhancement in solid state NMR spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 99, 7-14.	2.3	11
13	Contact-free conductivity probing of metal nanowire films using THz reflection spectroscopy. <i>Nanotechnology</i> , 2019, 30, 215702.	2.6	6
14	Iris-assisted terahertz field-induced second-harmonic generation in air. <i>Optics Letters</i> , 2019, 44, 5190.	3.3	5
15	Echo Spectroscopy in Multilevel Quantum-Mechanical Rotors. <i>Physical Review Letters</i> , 2018, 121, 234101.	7.8	31
16	Rotational Echoes: Rephasing of Centrifugal Distortion in Laser-Induced Molecular Alignment. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5128-5135.	4.6	29
17	Coherent Radiative Decay of Molecular Rotations: A Comparative Study of Terahertz-Oriented versus Optically Aligned Molecular Ensembles. <i>Physical Review Letters</i> , 2017, 119, 033002.	7.8	27
18	Rotational Control of Asymmetric Molecules: Dipole- versus Polarizability-Driven Rotational Dynamics. <i>Physical Review Letters</i> , 2016, 117, 103001.	7.8	48

#	ARTICLE	IF	CITATIONS
19	Nonlinear two-dimensional terahertz photon echo and rotational spectroscopy in the gas phase. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11800-11805.	7.1	81
20	Orientation dynamics of asymmetric rotors using random phase wave functions. Physical Review A, 2015, 91, .	2.5	14
21	A review of non-linear terahertz spectroscopy with ultrashort tabletop-laser pulses. Journal of Modern Optics, 2015, 62, 1447-1479.	1.3	119
22	Commensurate Two-Quantum Coherences Induced by Time-Delayed THz Fields. Physical Review Letters, 2012, 109, 123603.	7.8	69
23	Molecular Alignment Induced by Ultrashort Laser Pulses and Its Impact on Molecular Motion. Israel Journal of Chemistry, 2012, 52, 414-437.	2.3	104
24	Molecular Orientation and Alignment by Intense Single-Cycle THz Pulses. Physical Review Letters, 2011, 107, 163603.	7.8	261
25	A novel experimental method for the local mechanical testing of human coronal dentin. Dental Materials, 2010, 26, 179-184.	3.5	10
26	Controlling the sense of molecular rotation. New Journal of Physics, 2009, 11, 105039.	2.9	106
27	Spinning molecules selectively; laser control of isotopes and nuclear spin isomers. Journal of Modern Optics, 2007, 54, 2641-2658.	1.3	6