

Martin Wolf

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

706
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond formation dynamics of the spin Seebeck effect revealed by terahertz spectroscopy. <i>Nature Communications</i> , 2018, 9, 2899.	12.8	131
2	Terahertz-field-induced optical birefringence in common window and substrate materials. <i>Optics Express</i> , 2015, 23, 28985.	3.4	67
3	Energy transfer within the hydrogen bonding network of water following resonant terahertz excitation. <i>Science Advances</i> , 2020, 6, eaay7074.	10.3	62
4	Terahertz Sum-Frequency Excitation of a Raman-Active Phonon. <i>Physical Review Letters</i> , 2017, 119, 127402.	7.8	60
5	Transient birefringence of liquids induced by terahertz electric-field torque on permanent molecular dipoles. <i>Nature Communications</i> , 2017, 8, 14963.	12.8	54
6	Phase-Resolved Detection of Ultrabroadband THz Pulses inside a Scanning Tunneling Microscope Junction. <i>ACS Photonics</i> , 2020, 7, 2046-2055.	6.6	49
7	Terahertz Spin-to-Charge Conversion by Interfacial Skew Scattering in Metallic Bilayers. <i>Advanced Materials</i> , 2021, 33, e2006281.	21.0	44
8	Ultrafast dynamical Lifshitz transition. <i>Science Advances</i> , 2021, 7, .	10.3	38
9	Time-resolved terahertz Raman spectroscopy reveals that cations and anions distinctly modify intermolecular interactions of water. <i>Nature Chemistry</i> , 2022, 14, 1031-1037.	13.6	29
10	Revealing the competing contributions of charge carriers, excitons, and defects to the non-equilibrium optical properties of ZnO. <i>Structural Dynamics</i> , 2019, 6, 034501.	2.3	26
11	Unveiling the orbital texture of 1T-TiTe ₂ using intrinsic linear dichroism in multidimensional photoemission spectroscopy. <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	23
12	The Nature of the Dielectric Response of Methanol Revealed by the Terahertz Kerr Effect. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1279-1283.	4.6	21
13	Rotational coherence of encapsulated ortho and para water in fullerene-C60 revealed by time-domain terahertz spectroscopy. <i>Scientific Reports</i> , 2020, 10, 18329.	3.3	20
14	Transition of laser-induced terahertz spin currents from torque- to conduction-electron-mediated transport. <i>Physical Review B</i> , 2022, 105, .	3.2	17
15	Ultrafast dynamics in solids probed by femtosecond time-resolved broadband electronic sum frequency generation. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	14
16	The sign of the polarizability anisotropy of polar molecules is obtained from the terahertz Kerr effect. <i>Chemical Physics Letters</i> , 2018, 692, 319-323.	2.6	14
17	An open-source, end-to-end workflow for multidimensional photoemission spectroscopy. <i>Scientific Data</i> , 2020, 7, 442.	5.3	14
18	A General Approach To Combine the Advantages of Collinear and Noncollinear Spectrometer Designs in Phase-Resolved Second-Order Nonlinear Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 11022-11030.	2.5	9

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19	Photoinduced work function modifications and their effect on photoelectron spectroscopy. Applied Physics Letters, 2013, 103, .	3.3	7
20	Localization-dependent charge separation efficiency at an organic/inorganic hybrid interface. Chemical Physics Letters, 2016, 646, 25-30.	2.6	6
21	Ultra-shallow dopant profiles as in-situ electrodes in scanning probe microscopy. Scientific Reports, 2022, 12, 3783.	3.3	1