

Tom Seifert

List of Publications by Year in descending order

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29
papers

2,116
citations

430874

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29
docs citations

29
times ranked

2453
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of gigahertz and terahertz transport regimes on spin propagation and conversion in the antiferromagnet IrMn. Applied Physics Letters, 2022, 120, .	3.3	8
2	Spin-voltage-driven efficient terahertz spin currents from the magnetic Weyl semimetals Co ₂ MnGa and Co ₂ MnAl. Applied Physics Letters, 2022, 120, .	3.3	11
3	Ultrafast carrier dynamics in terahertz photoconductors and photomixers: beyond short-carrier-lifetime semiconductors. Nanophotonics, 2022, 11, 2661-2691.	6.0	16
4	Average power scaling of THz spintronic emitters efficiently cooled in reflection geometry. Optics Express, 2022, 30, 20451.	3.4	10
5	Terahertz-wave decoding of femtosecond extreme-ultraviolet light pulses. Optica, 2022, 9, 545.	9.3	2
6	Transition of laser-induced terahertz spin currents from torque- to conduction-electron-mediated transport. Physical Review B, 2022, 105, .	3.2	17
7	Spintronic sources of ultrashort terahertz electromagnetic pulses. Applied Physics Letters, 2022, 120, .	3.3	44
8	Electron Paramagnetic Resonance of Alkali Metal Atoms and Dimers on Ultrathin MgO. Nano Letters, 2022, 22, 4176-4181.	9.1	12
9	Terahertz Spin-to-Charge Conversion by Interfacial Skew Scattering in Metallic Bilayers. Advanced Materials, 2021, 33, e2006281.	21.0	44
10	Frequency-independent Terahertz Anomalous Hall Effect in DyCo ₅ , Co ₃₂ Fe ₆₈ , and Gd ₂₇ Fe ₇₃ Thin Films from DC to 40 THz. Advanced Materials, 2021, 33, e2007398.	21.0	20
11	Modulating the polarization of broadband terahertz pulses from a spintronic emitter at rates up to 10 kHz. Optica, 2021, 8, 1013.	9.3	33
12	Accurate measurement of atomic magnetic moments by minimizing the tip magnetic field in STM-based electron paramagnetic resonance. Physical Review Research, 2021, 3, .	3.6	11
13	Longitudinal and transverse electron paramagnetic resonance in a scanning tunneling microscope. Science Advances, 2020, 6, .	10.3	33
14	Ultrafast terahertz magnetometry. Nature Communications, 2020, 11, 4247.	12.8	61
15	High-Throughput Techniques for Measuring the Spin Hall Effect. Physical Review Applied, 2020, 14, .	3.8	16
16	Single-atom electron paramagnetic resonance in a scanning tunneling microscope driven by a radio-frequency antenna at 4 K. Physical Review Research, 2020, 2, .	3.6	32
17	Ultrafast Magnetization Dynamics Revealed by Terahertz Magnetometry. , 2020, , .		0
18	Antenna-coupled spintronic terahertz emitters driven by a 1550-nm femtosecond laser oscillator. Applied Physics Letters, 2019, 115, .	3.3	48

#	ARTICLE	IF	CITATIONS
19	Impact of Pump Wavelength on Terahertz Emission of a Cavity-Enhanced Spintronic Trilayer. , 2019, , .		0
20	Impact of pump wavelength on terahertz emission of a cavity-enhanced spintronic trilayer. Applied Physics Letters, 2019, 114, .	3.3	54
21	Complex Terahertz and Direct Current Inverse Spin Hall Effect in YIG/Cu _{1-x} Ir _x Bilayers Across a Wide Concentration Range. Nano Letters, 2018, 18, 1064-1069.	9.1	44
22	Terahertz electrical writing speed in an antiferromagnetic memory. Science Advances, 2018, 4, eaar3566.	10.3	221
23	Terahertz spectroscopy for all-optical spintronic characterization of the spin-Hall-effect metals Pt, W and Cu ₈₀ Ir ₂₀ . Journal Physics D: Applied Physics, 2018, 51, 364003.	2.8	78
24	Femtosecond formation dynamics of the spin Seebeck effect revealed by terahertz spectroscopy. Nature Communications, 2018, 9, 2899.	12.8	131
25	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. Spin, 2017, 07, 1740010.	1.3	65
26	Ultrabroadband single-cycle terahertz pulses with peak fields of 300 kV cm ⁻¹ from a metallic spintronic emitter. Applied Physics Letters, 2017, 110, .	3.3	158
27	Efficient metallic spintronic emitters of ultrabroadband terahertz radiation. Nature Photonics, 2016, 10, 483-488.	31.4	605
28	Origin of surface trap states in CdS quantum dots: relationship between size dependent photoluminescence and sulfur vacancy trap states. Physical Chemistry Chemical Physics, 2015, 17, 2850-2858.	2.8	204
29	Tuning whispering gallery modes using internal aerostatic pressure. Optics Letters, 2011, 36, 4536.	3.3	138