

# Katsumasa Yoshioka

## List of Publications by Year in descending order

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21  
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1040056

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docs citations

21  
times ranked

571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-space coherent manipulation of electrons in a single tunnel junction by single-cycle terahertz electric fields. Nature Photonics, 2016, 10, 762-765.	31.4	124
2	Vacuum Bloch-Siegert shift in Landau polaritons with ultra-high cooperativity. Nature Photonics, 2018, 12, 324-329.	31.4	98
3	Subcycle Transient Scanning Tunneling Spectroscopy with Visualization of Enhanced Terahertz Near Field. ACS Photonics, 2019, 6, 1356-1364.	6.6	54
4	Tailoring Single-Cycle Near Field in a Tunnel Junction with Carrier-Envelope Phase-Controlled Terahertz Electric Fields. Nano Letters, 2018, 18, 5198-5204.	9.1	46
5	Terahertz-Field-Induced Nonlinear Electron Delocalization in Au Nanostructures. Nano Letters, 2015, 15, 1036-1040.	9.1	34
6	Terahertz-Field-Driven Scanning Tunneling Luminescence Spectroscopy. ACS Photonics, 2021, 8, 982-987.	6.6	20
7	Terahertz Faraday and Kerr rotation spectroscopy of $\text{Bi}_2\text{Te}_3$ thin films in high magnetic fields up to 30 tesla. Physical Review B, 2019, 100, .	6.2	15
8	Active spatial control of terahertz plasmons in graphene. Communications Materials, 2020, 1, .	6.9	11
9	Subcycle mid-infrared coherent transients at 4â€‰MHz repetition rate applicable to light-wave-driven scanning tunneling microscopy. Optics Letters, 2019, 44, 5350.	3.3	10
10	Nanoscale electron manipulation in metals with intense THz electric fields. Journal Physics D: Applied Physics, 2018, 51, 103001.	2.8	9
11	On-chip coherent frequency-domain THz spectroscopy for electrical transport. Applied Physics Letters, 2020, 117, .	3.3	9
12	Simultaneous acquisition of complex transmittance and birefringence with two counter-rotating, circularly polarized THz pulses. Optics Express, 2018, 26, 30420.	3.4	4
13	Observation of Photoinduced Terahertz Gain in GaAs Quantum Wells: Evidence for Radiative Two-Exciton-to-Biexciton Scattering. Physical Review Letters, 2020, 125, 167401.	7.8	3
14	Nanoscale phase change on Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films induced by optical near fields with photoassisted scanning tunneling microscope. Applied Physics Letters, 2020, 117, 211102.	3.3	3
15	Sub-cycle Manipulation of Electrons in a Tunnel Junction with Phase-controlled Single-cycle THz Near-fields. EPJ Web of Conferences, 2019, 205, 08007.	0.3	1
16	Observation of Narrow-Band Terahertz Gain in Two-Dimensional Magnetoexcitons. , 2019, , .		1
17	THz-Field-Driven Electron Tunneling on the Nanoscale. , 2018, , .		0
18	Spectroscopic Measurement of Birefringent Materials by Simultaneous Acquisition of Two-Polarization-State THz Pulse Responses. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Nanoscale Electron Manipulation Using Phase-controlled THz Near-fields. , 2018, , .		0
20	Vacuum Bloch-Siegert Shift in Landau Polaritons with Ultrahigh Cooperativity. , 2018, , .		0
21	Ultrafast Electron Manipulation Using THz Scanning Tunneling Microscopy With Tailor-Made Near Fields. , 2019, , .		0