

Tyler Cocker

List of Publications by Year in descending order

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17
papers

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citations

1040056

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1372567

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17
all docs

17
docs citations

17
times ranked

1585
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast multi-terahertz nano-spectroscopy with sub-cycle temporal resolution. Nature Photonics, 2014, 8, 841-845.	31.4	260
2	Phase diagram of the ultrafast photoinduced insulator-metal transition in vanadium dioxide. Physical Review B, 2012, 85, .	3.2	148
3	Microscopic origin of the Drude-Smith model. Physical Review B, 2017, 96, .	3.2	140
4	Nanoscale terahertz scanning probe microscopy. Nature Photonics, 2021, 15, 558-569.	31.4	112
5	Terahertz conductivity of the metal-insulator transition in a nanogranular VO ₂ film. Applied Physics Letters, 2010, 97, .	3.3	90
6	Ultrafast Mid-Infrared Nanoscopy of Strained Vanadium Dioxide Nanobeams. Nano Letters, 2016, 16, 1421-1427.	9.1	62
7	Subcycle contact-free nanoscopy of ultrafast interlayer transport in atomically thin heterostructures. Nature Photonics, 2021, 15, 594-600.	31.4	55
8	Lightwave-driven scanning tunnelling spectroscopy of atomically precise graphene nanoribbons. Nature Communications, 2021, 12, 6794.	12.8	29
9	Time-Resolved Terahertz Spectroscopy of Free Carrier Nonlinear Dynamics in Semiconductors. IEEE Photonics Journal, 2010, 2, 578-592.	2.0	20
10	Algorithm for subcycle terahertz scanning tunneling spectroscopy. Physical Review B, 2022, 105, .	3.2	7
11	Terahertz nonlinear spectroscopy of free-carriers in semiconductors. , 2009, , .		0
12	High power terahertz sources for nonlinear spectroscopy of direct bandgap semiconductors. , 2010, , .		0
13	Application of high power terahertz sources to nonlinear spectroscopy of direct bandgap semiconductors. , 2010, , .		0
14	Imaging ultrafast dynamics on the nanoscale with THz-STM. , 2015, , .		0
15	Frontiers of sub-cycle terahertz science: The fast, the strong and the small. , 2015, , .		0
16	Femtosecond switch-on of hybrid polaritons in black phosphorus heterostructures. , 2017, , .		0
17	Mid-Infrared Nano-Tomography of Topological Insulator Surfaces. , 2019, , .		0