

# Jared H Strait

## List of Publications by Year in descending order

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26  
papers

2,066  
citations

758635

12  
h-index

996533

15  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Optical-Pump Terahertz-Probe Spectroscopy of the Carrier Relaxation and Recombination Dynamics in Epitaxial Graphene. Nano Letters, 2008, 8, 4248-4251.	4.5	577
2	Measurement of the optical absorption spectra of epitaxial graphene from terahertz to visible. Applied Physics Letters, 2008, 93, .	1.5	459
3	Ultrafast relaxation dynamics of hot optical phonons in graphene. Applied Physics Letters, 2010, 96, .	1.5	234
4	Carrier recombination and generation rates for intravalley and intervalley phonon scattering in graphene. Physical Review B, 2009, 79, .	1.1	213
5	Very Slow Cooling Dynamics of Photoexcited Carriers in Graphene Observed by Optical-Pump Terahertz-Probe Spectroscopy. Nano Letters, 2011, 11, 4902-4906.	4.5	170
6	High intrinsic mobility and ultrafast carrier dynamics in multilayer metal-dichalcogenide $\text{MoS}_2$ . Physical Review B, 2014, 90, .	1.1	70
7	Confined plasmons in graphene microstructures: Experiments and theory. Physical Review B, 2013, 87, .	1.1	66
8	Fast exciton annihilation by capture of electrons or holes by defects via Auger scattering in monolayer metal dichalcogenides. Physical Review B, 2015, 91, .	1.1	66
9	Measurements of the Carrier Dynamics and Terahertz Response of Oriented Germanium Nanowires using Optical-Pump Terahertz-Probe Spectroscopy. Nano Letters, 2009, 9, 2967-2972.	4.5	58
10	Ultrafast carrier recombination and generation rates for plasmon emission and absorption in graphene. Physical Review B, 2011, 84, .	1.1	56
11	Revisiting the Photon-Drag Effect in Metal Films. Physical Review Letters, 2019, 123, 053903.	2.9	35
12	Emission of terahertz radiation from SiC. Applied Physics Letters, 2009, 95, 051912.	1.5	31
13	Coupling of plasmon modes in graphene microstructures. Applied Physics Letters, 2014, 105, .	1.5	12
14	A frequency stabilization technique for diode lasers based on frequency-shifted beams from an acousto-optic modulator. Review of Scientific Instruments, 2008, 79, 103110.	0.6	9
15	Graphene terahertz sources and amplifiers. , 2008, , .		3
16	Carrier Relaxation Dynamics in MoS <sub>2</sub> Measured by Optical/THz Pump-Probe Spectroscopy. , 2013, , .		2
17	Chiroptical Response of Aluminum Nanocrescents at Ultraviolet Wavelengths. Nano Letters, 2020, 20, 3656-3662.	4.5	2
18	Graphene plasmonics for subwavelength terahertz oscillators. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
19	Graphene plasmonics for terahertz applications. , 2011, , .		1
20	Graphene Micro- and Nano-Plasmonics. , 2013, , .		1
21	Measurement of the optical properties of graphene from THz to near-IR. , 2008, , .		0
22	Very Slow Carrier Cooling in Graphene Measured by Optical/THz Pump-Probe Spectroscopy. , 2011, , .		0
23	Thermoelectric Vs. Photoelectric Response of Graphene-Metal Photodetectors. , 2011, , .		0
24	Ultrafast Optical-Pump THz-Probe Spectroscopy of the Carrier Dynamics in Oriented Germanium Nanowires. , 2009, , .		0
25	Ultrafast Measurements of Thermal Transport in Graphene. , 2010, , .		0
26	Integrated Photodetection Leveraging Plasmonic Radiation Pressure. , 2020, , .		0