

# Junjie Li

## List of Publications by Year in descending order

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28  
papers

372  
citations

840585

11  
h-index

794469

19  
g-index

29  
all docs

29  
docs citations

29  
times ranked

437  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies of the third-order nonlinear optical susceptibility for $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ cylinder quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 25, 466-471.	1.3	82
2	Dichotomy in ultrafast atomic dynamics as direct evidence of polaron formation in manganites. <i>Npj Quantum Materials</i> , 2016, 1, .	1.8	31
3	Electronic Grüneisen parameter and thermal expansion in ferromagnetic transition metal. <i>Applied Physics Letters</i> , 2008, 92, 121918.	1.5	28
4	Ultrafast electron beam imaging of femtosecond laser-induced plasma dynamics. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	25
5	Four-dimensional imaging of the initial stage of fast evolving plasmas. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	24
6	Measurement of femtosecond electron pulse length and the temporal broadening due to space charge. <i>Review of Scientific Instruments</i> , 2009, 80, 013902.	0.6	21
7	Real-time probing of ultrafast residual charge dynamics. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	19
8	Femtosecond electron diffraction: Direct probe of ultrafast structural dynamics in metal films. <i>Microscopy Research and Technique</i> , 2009, 72, 131-143.	1.2	18
9	Temperature dependence of electron-phonon thermalization and its correlation to ultrafast magnetism. <i>Physical Review B</i> , 2010, 81, .	1.1	15
10	Simulation of ultrafast heating induced structural dynamics using a one-dimensional spring model. <i>Physical Review B</i> , 2009, 80, .	1.1	13
11	Ultrashort electron pulses as a four-dimensional diagnosis of plasma dynamics. <i>Review of Scientific Instruments</i> , 2010, 81, 103505.	0.6	13
12	Ultrafast lattice dynamics in lead selenide quantum dot induced by laser excitation. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	10
13	A compact tunable quadrupole lens for brighter and sharper ultra-fast electron diffraction imaging. <i>Scientific Reports</i> , 2019, 9, 5115.	1.6	9
14	A novel nondestructive diagnostic method for mega-electron-volt ultrafast electron diffraction. <i>Scientific Reports</i> , 2019, 9, 17223.	1.6	9
15	Piezoelectric field-dependent optical nonlinearities induced by interband transition in $\text{InGaN}/\text{GaN}$ quantum well. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 27, 221-226.	1.3	8
16	Probing the pathway of an ultrafast structural phase transition to illuminate the transition mechanism in $\text{Cu}_2\text{S}$ . <i>Applied Physics Letters</i> , 2018, 113, 041904.	1.5	8
17	Concurrent probing of electron-lattice dephasing induced by photoexcitation in $\text{Cu}_2\text{S}$ and $\text{Cu}_2\text{Te}$ using ultrafast electron diffraction. <i>Physical Review B</i> , 2020, 101, .		
18	Coherent phonon generation in laser-heated gold nanofilm. <i>Journal of Chemical Physics</i> , 2020, 152, 124704.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Photoinduced anisotropic lattice dynamic response and domain formation in thermoelectric SnSe. Npj Quantum Materials, 2021, 6, .	1.8	6
20	Direct Detection of V-V Atom Dimerization and Rotation Dynamic Pathways upon Ultrafast Photoexcitation in $\text{VO}_2$ . Physical Review X, 2022, 12, .	2.8	6
21	Probing the warm dense copper nano-foil with ultrafast electron shadow imaging and deflectometry. High Energy Density Physics, 2012, 8, 298-302.	0.4	5
22	Comment on "Nanoscale heat transfer in a thin aluminum film and femtosecond time-resolved electron diffraction". [Appl. Phys. Lett. 92, 011901 (2008)]. Applied Physics Letters, 2009, 94, 166101.	1.5	4
23	Accurate prediction of mega-electron-volt electron beam properties from UED using machine learning. Scientific Reports, 2021, 11, 13890.	1.6	3
24	Dynamics of charge clouds ejected from laser-induced warm dense gold nanofilms. Physical Review E, 2014, 90, 041102.	0.8	1
25	Ultrafast probe using femtosecond electron pulses: real-time probing plasma dynamics. , 2015, , .		1
26	Direct and real time probe of photoinduced structure transition in colossal magnetoresistive material. Applied Physics Letters, 2016, 109, 041905.	1.5	1
27	Photo-induced Structure Phase Transition Probed by Femotsecond Electron Diffraction. , 2010, , .		0
28	Interferometric bunch length measurements of 3 MeV picocoulomb electron beams. Journal of Applied Physics, 2022, 131, 084901.	1.1	0