

# Kenan Qu

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

583  
citations

758635

12  
h-index

610482

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g-index

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all docs

30  
docs citations

30  
times ranked

565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Collective plasma effects of electron-positron pairs in beam-driven QED cascades. Physics of Plasmas, 2022, 29, .	0.7	5
2	Particle deceleration for collective QED signatures. Physics of Plasmas, 2022, 29, .	0.7	4
3	Suppression of power losses during laser pulse propagation in underdense plasma slab. Physics of Plasmas, 2021, 28, 023112.	0.7	2
4	Modulation-slippage trade-off in resonant four-wave upconversion. Physics of Plasmas, 2021, 28, 052112.	0.7	3
5	Signature of Collective Plasma Effects in Beam-Driven QED Cascades. Physical Review Letters, 2021, 127, 095001.	2.9	13
6	Generating optical supercontinuum and frequency comb in tenuous plasmas. Matter and Radiation at Extremes, 2021, 6, .	1.5	1
7	Optical phase conjugation in backward Raman amplification. Optics Letters, 2020, 45, 5254.	1.7	4
8	Laser frequency upconversion in plasmas with finite ionization rates. Physics of Plasmas, 2019, 26, 083105.	0.7	7
9	Creating localized plasma waves by ionization of doped semiconductors. Physical Review E, 2019, 99, 063201.	0.8	2
10	Plasma optics for intense laser amplification. , 2019, , .		0
11	Cascaded chirped photon acceleration for efficient frequency conversion. Physics of Plasmas, 2018, 25, .	0.7	13
12	Theory of electromagnetic wave frequency upconversion in dynamic media. Physical Review E, 2018, 98, 023202.	0.8	27
13	Plasma Wave Seed for Raman Amplifiers. Physical Review Letters, 2017, 118, 164801.	2.9	21
14	Plasma $q$ -plate for generation and manipulation of intense optical vortices. Physical Review E, 2017, 96, 053207.	0.8	35
15	Beam cleaning of an incoherent laser via plasma Raman amplification. Physics of Plasmas, 2017, 24, .	0.7	16
16	Laser pulse sharpening with electromagnetically induced transparency in plasma. Physics of Plasmas, 2017, 24, .	0.7	3
17	Generating quadrature squeezed light with dissipative optomechanical coupling. Physical Review A, 2015, 91, .	1.0	39
18	Electromagnetically induced absorption in a three-resonator metasurface system. Scientific Reports, 2015, 5, 10737.	1.6	78

#	ARTICLE	IF	CITATIONS
19	Strong squeezing via phonon mediated spontaneous generation of photon pairs. New Journal of Physics, 2014, 16, 113004.	1.2	15
20	Observation of electromagnetically induced absorption in a three-resonator system. , 2014, , .		1
21	Optomechanical Ramsey interferometry. Physical Review A, 2014, 90, .	1.0	13
22	Strong squeezing via phonon mediated spontaneous generation of photon pairs. , 2014, , .		0
23	Fano resonances and their control in optomechanics. Physical Review A, 2013, 87, .	1.0	82
24	Phonon-mediated electromagnetically induced absorption in hybrid opto-electromechanical systems. Physical Review A, 2013, 87, .	1.0	115
25	Ramsey spectroscopy with squeezed light. Optics Letters, 2013, 38, 2563.	1.7	9
26	Spontaneous generation of photons in transmission of quantum fields in $P</math>-symmetric optical systems. Physical Review A, 2012, 85, .$	1.0	71
27	Controlled-Xgate with cache function for one-way quantum computation. Physical Review A, 2012, 85, .	1.0	2
28	Spectrum Analysis for Non-Uniform Ultra-Long-Period Fiber Grating. Zhongguo Jiguang/Chinese Journal of Lasers, 2010, 37, 1547-1552.	0.2	1
29	Dispersion Compensation in Ultra-Short Optical Pulse Compressing System and Transmitting System. Zhongguo Jiguang/Chinese Journal of Lasers, 2010, 37, 449-453.	0.2	1
30	Deviation Response Parameters of Laser Pulse System in Time Domain. Zhongguo Jiguang/Chinese Journal of Lasers, 2009, 36, 809-813.	0.2	0