Kenan Qu

List of Publications by Year
in descending order

30 papers	583 citations	758635 12 h-index	610482 24 g-index
30 all docs	30 docs citations	30 times ranked	565 citing authors

#	Article	IF	Citations
1	Phonon-mediated electromagnetically induced absorption in hybrid opto-electromechanical systems. Physical Review A, 2013, 87, .	1.0	115
2	Fano resonances and their control in optomechanics. Physical Review A, 2013, 87, .	1.0	82
3	Electromagnetically induced absorption in a three-resonator metasurface system. Scientific Reports, 2015, 5, 10737.	1.6	78
4	Spontaneous generation of photons in transmission of quantum fields in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:mrow></mml:math>-symmetric optical systems. Physical Review A, 2012, 85, .	1.0	71
5	Generating quadrature squeezed light with dissipative optomechanical coupling. Physical Review A, 2015, 91, .	1.0	39
6	Plasma <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>q</mml:mi></mml:math> -plate for generation and manipulation of intense optical vortices. Physical Review E, 2017, 96, 053207.	0.8	35
7	Theory of electromagnetic wave frequency upconversion in dynamic media. Physical Review E, 2018, 98, 023202.	0.8	27
8	Plasma Wave Seed for Raman Amplifiers. Physical Review Letters, 2017, 118, 164801.	2.9	21
9	Beam cleaning of an incoherent laser via plasma Raman amplification. Physics of Plasmas, 2017, 24, .	0.7	16
10	Strong squeezing via phonon mediated spontaneous generation of photon pairs. New Journal of Physics, 2014, 16, 113004.	1.2	15
11	Optomechanical Ramsey interferometry. Physical Review A, 2014, 90, .	1.0	13
12	Cascaded chirped photon acceleration for efficient frequency conversion. Physics of Plasmas, 2018, 25, .	0.7	13
13	Signature of Collective Plasma Effects in Beam-Driven QED Cascades. Physical Review Letters, 2021, 127, 095001.	2.9	13
14	Ramsey spectroscopy with squeezed light. Optics Letters, 2013, 38, 2563.	1.7	9
15	Laser frequency upconversion in plasmas with finite ionization rates. Physics of Plasmas, 2019, 26, 083105.	0.7	7
16	Collective plasma effects of electronâ€“positron pairs in beam-driven QED cascades. Physics of Plasmas, 2022, 29, .	0.7	5
17	Optical phase conjugation in backward Raman amplification. Optics Letters, 2020, 45, 5254.	1.7	4
18	Particle deceleration for collective QED signatures. Physics of Plasmas, 2022, 29, .	0.7	4

#	Article	IF	Citations
19	Laser pulse sharpening with electromagnetically induced transparency in plasma. Physics of Plasmas, 2017, 24, .	0.7	3
20	Modulation-slippage trade-off in resonant four-wave upconversion. Physics of Plasmas, 2021, 28, 052112.	0.7	3
21	Controlled-Xgate with cache function for one-way quantum computation. Physical Review A, 2012, 85, .	1.0	2
22	Creating localized plasma waves by ionization of doped semiconductors. Physical Review E, 2019, 99, 063201.	0.8	2
23	Suppression of power losses during laser pulse propagation in underdense plasma slab. Physics of Plasmas, 2021, 28, 023112.	0.7	2
24	Observation of electromagnetically induced absorption in a three-resonator system. , 2014, , .		1
25	Generating optical supercontinuum and frequency comb in tenuous plasmas. Matter and Radiation at Extremes, 2021, 6, .	1.5	1
26	Spectrum Analysis for Non-Uniform Ultra-Long-Period Fiber Grating. Zhongguo Jiguang/Chinese Journal of Lasers, 2010, 37, 1547-1552.	0.2	1
27	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
28	Deviation Response Parameters of Laser Pulse System in Time Domain. Zhongguo Jiguang/Chinese Journal of Lasers, 2009, 36, 809-813.	0.2	0
29	Strong squeezing via phonon mediated spontaneous generation of photon pairs. , 2014, , .		0
30	Plasma optics for intense laser amplification. , 2019, , .		0