

William H Renninger

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,813
citations

393982

19
h-index

525886

27
g-index

30
all docs

30
docs citations

30
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Airyâ€Bessel wave packets as versatile linear light bullets. Nature Photonics, 2010, 4, 103-106.	15.6	585
2	All-normal-dispersion femtosecond fiber laser with pulse energy above 20nJ. Optics Letters, 2007, 32, 2408.	1.7	438
3	Properties of normal-dispersion femtosecond fiber lasers. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 140.	0.9	391
4	Quantum acoustics with superconducting qubits. Science, 2017, 358, 199-202.	6.0	284
5	Self-similar pulse evolution in an all-normal-dispersion laser. Physical Review A, 2010, 82, .	1.0	195
6	Pulse Shaping and Evolution in Normal-Dispersion Mode-Locked Fiber Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 389-398.	1.9	142
7	Giant-chirp oscillators for short-pulse fiber amplifiers. Optics Letters, 2008, 33, 3025.	1.7	118
8	Area theorem and energy quantization for dissipative optical solitons. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1978.	0.9	108
9	Spectral filtering for high-energy mode-locking in normal dispersion fiber lasers. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1763.	0.9	83
10	Amplifier similaritons in a dispersion-mapped fiber laser [Invited]. Optics Express, 2011, 19, 22496.	1.7	63
11	Environmentally stable all-normal-dispersion femtosecond fiber laser. Optics Letters, 2008, 33, 1071.	1.7	61
12	High-Energy Passive Mode-Locking of Fiber Lasers. International Journal of Optics, 2012, 2012, 1-17.	0.6	38
13	High-frequency cavity optomechanics using bulk acoustic phonons. Science Advances, 2019, 5, eaav0582.	4.7	37
14	Spectral filtering for mode locking in the normal dispersive regime. Optics Letters, 2008, 33, 941.	1.7	35
15	Ultra-high-Q phononic resonators on-chip at cryogenic temperatures. APL Photonics, 2018, 3, 066101.	3.0	32
16	Route to the minimum pulse duration in normal-dispersion fiber lasers. Optics Letters, 2008, 33, 2638.	1.7	30
17	Guided-wave Brillouin scattering in air. Optica, 2016, 3, 1316.	4.8	26
18	Spatiotemporal soliton laser. Optica, 2014, 1, 101.	4.8	25

#	ARTICLE	IF	CITATIONS
19	Stretched-Pulse Soliton Kerr Resonators. <i>Physical Review Letters</i> , 2020, 125, 033902.	2.9	25
20	Chirped dissipative solitons in driven optical resonators. <i>Optica</i> , 2021, 8, 861.	4.8	21
21	Fundamental Limits to Mode-Locked Lasers: Toward Terawatt Peak Powers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 63-70.	1.9	20
22	Closed-form solutions and scaling laws for Kerr frequency combs. <i>Scientific Reports</i> , 2016, 6, 24742.	1.6	15
23	Chirped-pulsed Kerr solitons in the Lugiato-Lefever equation with spectral filtering. <i>Physical Review Research</i> , 2021, 3, .	1.3	13
24	Ultra-low Brillouin scattering in anti-resonant hollow-core fibers. <i>APL Photonics</i> , 2020, 5, 096109.	3.0	10
25	Average cavity description of self-similar lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 842.	0.9	4
26	Linear light bullets based on Airy-Bessel wave packets. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
27	Iteratively seeded mode-locking. <i>Optics Express</i> , 2017, 25, 13481.	1.7	2
28	Frequency noise of amplifier-similariton laser combs. , 2013, , .		1
29	Giant-chirp fiber oscillators. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0