

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 | Chirped dissipative solitons in driven optical resonators. <i>Optica</i> , 2021, 8, 861. | 4.8 | 21 |
| 2 | Chirped-pulsed Kerr solitons in the Lugiato-Lefever equation with spectral filtering. <i>Physical Review Research</i> , 2021, 3, . | 1.3 | 13 |
| 3 | Stretched-Pulse Soliton Kerr Resonators. <i>Physical Review Letters</i> , 2020, 125, 033902. | 2.9 | 25 |
| 4 | Ultra-low Brillouin scattering in anti-resonant hollow-core fibers. <i>APL Photonics</i> , 2020, 5, 096109. | 3.0 | 10 |
| 5 | High-frequency cavity optomechanics using bulk acoustic phonons. <i>Science Advances</i> , 2019, 5, eaav0582. | 4.7 | 37 |
| 6 | Ultra-high-Q phononic resonators on-chip at cryogenic temperatures. <i>APL Photonics</i> , 2018, 3, 066101. | 3.0 | 32 |
| 7 | Quantum acoustics with superconducting qubits. <i>Science</i> , 2017, 358, 199-202. | 6.0 | 284 |
| 8 | Iteratively seeded mode-locking. <i>Optics Express</i> , 2017, 25, 13481. | 1.7 | 2 |
| 9 | Guided-wave Brillouin scattering in air. <i>Optica</i> , 2016, 3, 1316. | 4.8 | 26 |
| 10 | Closed-form solutions and scaling laws for Kerr frequency combs. <i>Scientific Reports</i> , 2016, 6, 24742. | 1.6 | 15 |
| 11 | 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 |
| 12 | Spatiotemporal soliton laser. <i>Optica</i> , 2014, 1, 101. | 4.8 | 25 |
| 13 | 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 |
| 14 | Frequency noise of amplifier-similariton laser combs. , 2013, , . | | 1 |
| 15 | High-Energy Passive Mode-Locking of Fiber Lasers. <i>International Journal of Optics</i> , 2012, 2012, 1-17. | 0.6 | 38 |
| 16 | Pulse Shaping and Evolution in Normal-Dispersion Mode-Locked Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 389-398. | 1.9 | 142 |
| 17 | Amplifier similaritons in a dispersion-mapped fiber laser [Invited]. <i>Optics Express</i> , 2011, 19, 22496. | 1.7 | 63 |
| 18 | Linear light bullets based on Airy-Bessel wave packets. <i>Proceedings of SPIE</i> , 2011, , . | 0.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Giant-chirp fiber oscillators. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 20 | Airyâ€Bessel wave packets as versatile linear light bullets. Nature Photonics, 2010, 4, 103-106. | 15.6 | 585 |
| 21 | Self-similar pulse evolution in an all-normal-dispersion laser. Physical Review A, 2010, 82, . | 1.0 | 195 |
| 22 | 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 |
| 23 | Spectral filtering for mode locking in the normal dispersive regime. Optics Letters, 2008, 33, 941. | 1.7 | 35 |
| 24 | Environmentally stable all-normal-dispersion femtosecond fiber laser. Optics Letters, 2008, 33, 1071. | 1.7 | 61 |
| 25 | Route to the minimum pulse duration in normal-dispersion fiber lasers. Optics Letters, 2008, 33, 2638. | 1.7 | 30 |
| 26 | Giant-chirp oscillators for short-pulse fiber amplifiers. Optics Letters, 2008, 33, 3025. | 1.7 | 118 |
| 27 | Properties of normal-dispersion femtosecond fiber lasers. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 140. | 0.9 | 391 |
| 28 | 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 |
| 29 | All-normal-dispersion femtosecond fiber laser with pulse energy above 20nJ. Optics Letters, 2007, 32, 2408. | 1.7 | 438 |