

PUBLICATION METRICS

- Clarivate Analytics <http://www.highlycited.com/> in Physics (1% top cited) in 2014-2025
- Total number of citations to date: WoK > 50,753 (GoS: >80,074) – 9,300 cited/year
- Hirsch-Index (N papers cited N times): WoK: 101 (GoS: 121)
- Journal publications : Nature (23), Science (14), Nature Photonics (15), Comm. (35), Physics (13), Nanotech (4), PRL (24)
- For a complete list of publications, please refer to <https://www.epfl.ch/labs/k-lab/publications/>

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PEER REVIEWED PUBLICATIONS AS PRINCIPAL INVESTIGATOR AND (CO-) CORRESPONDING AUTHOR

1. X. Ji, X. Li, Z. Qiu, R. N. Wang, M. Divall, A. Gelash, G. Lihachev, T. J. Kippenberg
"Deterministic soliton microcombs in Cu-free photonic integrated circuits"
Nature (2025)
2. G. Arend, G. Huang, A. Feist, Y. Yang, J-W. Henke, Z. Qiu, H. Jeng, A. S. Raja, R. Haindl, R. N. Wang, T. J. Kippenberg, Claus Ropers
"Electrons herald non-classical light"
Nature Physics (2025)
3. Y. Yang, P. Cattaneo, A. S. Raja, B. Weaver, R. N. Wang, A. Sapozhnik, F. Carbone, T. LaGrange, T. J. Kippenberg
"Unifying frequency metrology across microwave, optical, and free-electron domains"
Nature Communications (2025)
4. A. Voloshin, A. Attanasio, A. Siddharth, S. Bianconi, , A. Bancora, V. Shadymov, S. Leni, R. N. Wang, J. Riemensberger, S. A. Bhawe, T. J. Kippenberg
"Monolithic piezoelectrically tunable hybrid integrated laser with sub-fiber laser coherence"
Optica (2025)
5. S. U. Hulyal, J. Hu, C. Wang, J. Cai, G. Lihachev, T. J. Kippenberg
"Arrayed waveguide gratings in lithium tantalate integrated photonics"
Optica (2025)
6. Z. Qiu, N. Singh, Y. Liu, X. Ji, R. N. Wang, F. X. Kärtner, T. J. Kippenberg
"Large-scale photonic chip based pulse interleaver for low-noise microwave generation"
Nature Communications (2025)
7. A. Youssefi, M. Chegnizadeh, M. Scigliuzzo, T. J. Kippenberg
"Compact superconducting vacuum-gap capacitors with low microwave loss and high mechanical coherence for scalable quantum circuits"
Physical Review Applied (2025)
8. A. Siddharth, S. Bianconi, R. N. Wang, Z. Qiu, A. S. Voloshin, M. J. Bereyhi, J. Riemensberger, T. J. Kippenberg
"Ultrafast tunable photonic-integrated extended-DBR Pockels laser"
Nature Photonics (2025)
9. N. Kuznetsov, A. Nardi, J. Riemensberger, A. Davydova, M. Churaev, P. Seidler, T. J. Kippenberg
"An ultra-broadband photonic-chip-based parametric amplifier"
Nature (2025)
10. J. Zhang, C. Wang, C. Denney, J. Riemensberger, G. Lihachev, J. Hu, W. Kao, T. Blésin, N. Kuznetsov, Z. Li, M. Churaev, X. Ou, , G. Santamaria-Botello, T. J. Kippenberg
"Ultrabroadband integrated electro-optic frequency comb in lithium tantalate"

Nature (2025)

11. Y. Xia, G. Huang, A. Beccari, A. Zicoschi, A. Arabmoheghi, N. J. Engelsen, T. J. Kippenberg
"Motional sideband asymmetry of a solid-state mechanical resonator at room temperature"

Physical Review Letters (2025)

12. J. Zhang, Z. Li, J. Riemensberger, G. Lihachev, G. Huang, T. J. Kippenberg
"Fundamental charge noise in electro-optic photonic integrated circuits"

Nature Physics (2025)

13. M. Chegnizadeh, M. Scigliuzzo, A. Youssefi, S. Kono, E. Guzovskii, T. J. Kippenberg
"Quantum collective motion of macroscopic mechanical oscillators"

Science (2024)

14. C. Wang, D. Fang, J. Zhang, A. Kotz, G. Lihachev, M. Churaev, Z. Li, A. Schwarzenberger, X. Ou, C. Koos, T. J. Kippenberg
"Ultrabroadband thin-film lithium tantalate modulator for high-speed communications"

Optica (2024)

15. G. Lihachev, A. Bancora, V. Snigirev, H. Tian, J. Riemensberger, V. Shadymov, A. Siddharth, A. Attanasio, R. N. Wang, D. Visani, A. Voloshin, S. Bhavé, T. J. Kippenberg
"Frequency agile photonic integrated external cavity laser"

APL Photonics (2024)

16. X. Ji, R. N. Wang, Y. Liu, J. Riemensberger, Z. Qiu, T. J. Kippenberg
"Efficient mass manufacturing of high-density, ultra-low-loss Si_3N_4 photonic integrated circuits"

(Optica 2024)

17. T. Blésin, W. Kao, A. Siddharth, R. N. Wang, A. Attanasio, H. Tian, S. A. Bhavé, T. J. Kippenberg
"Bidirectional microwave-optical transduction based on integration of high-overtone bulk acoustic resonators and photonic circuits"

Nature Communications (2024)

18. Y. Liu, Z. Qiu, X. Ji, A. Bancora, G. Lihachev, J. Riemensberger, R. N. Wang, A. Voloshin, T. J. Kippenberg
"A fully hybrid integrated erbium-based laser"

Nature Photonics (2024)

19. S. Kono, J. Pan, M. Chegnizadeh, X. Wang, A. Youssefi, M. Scigliuzzo, T. J. Kippenberg
"Mechanically induced correlated errors on superconducting qubits with relaxation times exceeding 0.4 milliseconds"

Nature Communications (2024)

20. C. Wang, Z. Li, J. Riemensberger, G. Lihachev, M. Churaev, W. Kao, X. Ji, J. Zhang, T. Blésin, A. Davydova, Y. Chen, K. Huang, X. Wang, X. Ou, T. J. Kippenberg
"Lithium tantalate photonic integrated circuits for volume manufacturing"

Nature (2024)

21. A. Lukashchuk, H. K. Yildirim, A. Bancora, G. Lihachev, Y. Liu, Z. Qiu, X. Ji, A. Voloshin, S. A. Bhavé, E. Charbon, T. J. Kippenberg
"Photonic-electronic integrated circuit-based coherent LiDAR engine"

Nature Communications (2024)

22. N. J. Engelsen, A. Beccari, T. J. Kippenberg
"Ultrahigh-quality-factor micro- and nanomechanical resonators using dissipation dilution"

Nature Nanotechnology (2024)

23. G. Huang, A. Beccari, N. J. Engelsen, T. J. Kippenberg
"Room-temperature quantum optomechanics using an ultra-low noise cavity"

Nature (2024)

24. Y. Yang, J-W. Henke, A. S. Raja, F. J. Kappert, G. Huang, G. Arend, Z. Qiu, A. Feist, R. N. Wang, A. Tusnin, A. Tikan, C. Ropers, T. J. Kippenberg
"Free-electron interaction with nonlinear optical states in microresonators"

Science (2024)

25. A. Siddharth, A. Attanasio, S. Bianconi, G. Lihachev, J. Zhang, Z. Qiu, A. Bancora, S. Kenning, R. N. Wang, A. Voloshin, S. A. Bhavé, J. Riemensberger, T. J. Kippenberg
"Piezoelectrically tunable, narrow linewidth photonic integrated extended-DBR lasers"

Optica (2024)

26. A. Tusnin, A. Tikan, K. Komagata, [T. J. Kippenberg](#)
"Nonlinear dynamics and Kerr frequency comb formation in lattices of coupled microresonators"
Communications Physics (2023)
27. D. Pidgayko, A. Tusnin, J. Riemensberger, A. Stroganov, A. Tikan, [T. J. Kippenberg](#)
"Voltage-tunable optical parametric oscillator with an alternating dispersion dimer integrated on chip"
Optica (2023)
28. A. C. Triscari, A. Tusnin, A. Tikan, [T. J. Kippenberg](#)
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Communications Physics (2023)
29. Z. Li, R. N. Wang, G. Lihachev, J. Zhang, Z. Tan, M. Churaev, N. Kuznetsov, A. Siddharth, M. J. Beryhi, J. Riemensberger, [Tobias J. Kippenberg](#)
"High density lithium niobate photonic integrated circuits"
Nature Communications (2023)
30. A. Youssefi, S. Kono, M. Chegnizadeh, [T. J. Kippenberg](#)
"A squeezed mechanical oscillator with millisecond quantum decoherence"
Nature Physics (2023)
31. A. Lukashchuk, J. Riemensberger, A. Tusnin, J. Liu, [T. J. Kippenberg](#)
"Chaotic microcomb-based parallel ranging"
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32. G. Huang, N. J. Engelsens, O. Kfir, C. Ropers, [T. J. Kippenberg](#)
"Electron-Photon Quantum State Heralding Using Photonic Integrated Circuits"
PRX Quantum (2023)
33. A. Lukashchuk, J. Riemensberger, A. Stroganov, G. Navickaite, [T. J. Kippenberg](#)
"Chaotic microcomb inertia-free parallel ranging"
APL Photonics (2023)
34. M. Churaev, R. N. Wang, A. Riedhauser, V. Snigirev, T. Blésin, C. Moehl, M. H. Anderson, A. Siddharth, Y. Popoff, U. Drechsler, D. Caimi, S. Hoenl, J. Riemensberger, J. Liu, P. Seidler, [T. J. Kippenberg](#)
"A heterogeneously integrated lithium niobate-on-silicon nitride photonic platform"
Nature Communications (2023)
35. M. Anderson, A. Tikan, A. Tusnin, J. Riemensberger, A. Davydova, R. N. Wang, [T. J. Kippenberg](#)
"Dissipative solitons and switching waves in dispersion-modulated Kerr cavities"
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36. V. Snigirev, A. Riedhauser, G. Lihachev, M. Churaev, J. Riemensberger, R. N. Wang, A. Siddharth, G. Huang, C. Moehl, Y. Popoff, U. Drechsler, D. Caimi, S. Hoenl, J. Liu, P. Seidler, [T. J. Kippenberg](#)
"Ultrafast tunable lasers using lithium niobate integrated photonics"
Nature (2023)
37. A. Youssefi, S. Kono, A. BR. Nancora, M. Chegnizadeh, J. Pan, T. Vovk, [T. J. Kippenberg](#)
"Topological lattices realized in superconducting circuit optomechanics"
Nature (2022)
38. J. Riemensberger, N. Kuznetsov, J. Liu, J. He, R. N. Wang, [T. J. Kippenberg](#)
"A photonic integrated continuous-travelling-wave parametric amplifier"
Nature (2022)
39. M. Anderson, W. Weng, G. Lihachev, A. Tikan, J. Liu, [T. J. Kippenberg](#)
"Zero-dispersion Kerr solitons in optical microresonators"
Nature Communications (2022)
40. A. Feist, G. Huang, G. Arend, Y. Yang, J. -W. Henke, A. S. Raja, F. J. Kappert, R. N. Wang, H. Lourenço-Martins, Z. Qiu, J. Liu, O. Kfir, [T. J. Kippenberg](#), C. Ropers
"Cavity-mediated electron-photon pairs"
Science (2022)
41. A. Shams-Ansari, G. Huang, L. He, Z. Li, J. Holzgrafe, M. Jankowski, M. Churaev, P. Kharel, R. Cheng, D. Zhu, N. Sinclair, B. Desiatov, M. Zhang, [T. J. Kippenberg](#), M. Loncar

- "Reduced material loss in thin-film lithium niobate waveguides"*
APL Photonics (2022)
42. G. Lihachev, J. Riemensberger, W. Weng, J. Liu, H. Tan, A. Siddharth, V. Snigirev, V. Shadymov, A. Voloshin, R. N. Wang, J. He, S. A. Bhav, T. J. Kippenberg
"Low-noise frequency-agile photonic integrated lasers for coherent ranging"
Nature Communications (2022)
43. Y. Liu, Z. Qiu, X. Ji, A. Lukashchuk, J. J. He, J. Riemensberger, M. Hafermann, R. N. Wang, J. Liu, C. Ronning, T. J. Kippenberg
"A photonic integrated circuit-based erbium-doped amplifier"
Science (2022)
44. M. Gao, Q. F. Yang, Q. X. Ji, H. Wang, L. Wu, B. Shen, J. Liu, G. Huang, L. Chang, W. Xie, S. P. Yu, S. B. Papp, J. E. Bowers, T. J. Kippenberg, K. J. Vahala
"Probing material absorption and optical nonlinearity of integrated photonic materials"
Nature Communications (2022)
45. A. Lukashchuk, J. Riemensberger, M. Karpov, J. Liu, T. J. Kippenberg
"Dual chirped microcomb based parallel ranging at megapixel-line rates"
Nature Communications (2022)
46. M. J. Beryhi, A. Arabmoheghi, A. Beccari, S. A. Fedorov, G. Huang, T. J. Kippenberg, N. J. Engelsen
"Perimeter modes of nanomechanical resonators exhibit quality factors exceeding 10^9 at room temperature"
Physical Review X (2022)
47. M. J. Beryhi, A. Beccari, R. Groth, S. A. Fedorov, A. Arabmoheghi, T. J. Kippenberg, N. J. Engelsen
"Hierarchical tensile structures with ultralow mechanical dissipation"
Nature Communications (2022)
48. A. Beccari, D. A. Visani, S. A. Fedorov, M. J. Beryhi, V. Boureau, N. J. Engelsen, T. J. Kippenberg
"Strained crystalline nanomechanical resonators with ultralow dissipation"
Nature Physics (2022)
49. L. Qiu, G. Huang, I. Shomroni, J. Pan, P. Seidler, T. J. Kippenberg
"Dissipative quantum feedback in measurements using a parametrically coupled microcavity"
PRX Quantum (2022)
50. X. Ji, J. Liu, J. He, R. N. Wang, Z. Qiu, J. Riemensberger, T. J. Kippenberg
"Compact, spatial-mode-interaction-free, ultralow-loss, nonlinear photonic integrated circuits"
Communications Physics (2022)
51. G. Lihachev, W. Weng, J. Liu, L. Chang, J. Guo, J. He, R. N. Wang, M. Anderson, Y. Liu, J. E. Bowers, T. J. Kippenberg
"Platicon microcomb generation using laser self-injection locking"
Nature Communications (2022)
52. A. Siddharth, T. Wunderer, G. Lihachev, A. S. Voloshin, C. Haller, R. N. Wang, M. Teepe, Z. Yang, J. Liu, J. Riemensberger, N. Grandjean, N. Johnson, T. J. Kippenberg
"Near ultraviolet photonic integrated lasers based on silicon nitride"
APL Photonics (2022)
53. A. Tikan, A. Tusnin, J. Riemensberger, M. Churaev, X. Ji, K. Komagata, R. N. Wang, J. Liu, T. J. Kippenberg
"Protected generation of dissipative Kerr solitons in supermodes of coupled optical microresonators"
Science Advances (2022)
54. W. Weng, J. J. He, A. Kaszubowska-Anandarajah, P. M. Anandarajah, T. J. Kippenberg
"Microresonator dissipative kerr solitons synchronized to an optoelectronic oscillator"
Physical Review A (2022)
55. A. Beccari, D. A. Visani, S. A. Fedorov, M. Beryhi, V. Boureau, N. J. Engelsen, T. J. Kippenberg
"Strained crystalline nanomechanical resonators with quality factors above 10 billion"
Nature Physics (2022)
56. J. -W. Henke, A. S. Raja, A. Feist, G. Huang, G. Arend, Y. Yang, J. Kappert, R. N. Wang, M. Möller, J. Pan, J. Liu, O. Kfir, C. Ropers, T. J. Kippenberg
"Integrated photonics enables continuous-beam electron phase modulation"

Nature (2021)

57. T. Blésin, H. Tian, S. A. Bhave, T. J. Kippenberg
"Quantum coherent microwave-optical transduction using high-overtone bulk acoustic resonances"
Physical Review A (2021)
58. H. Tian, J. Liu, A. Siddharth, R. N. Wang, T. Blésin, J. He, T. J. Kippenberg, S. A. Bhave
"Magnetic-free silicon nitride integrated optical isolator"
Nature Photonics (2021)
59. A. S. Raja, S. Lange, M. Karpov, K. Shi, X. Fu, R. Behrendt, D. Cletheroe, A. Lukashchuk, I. Haller, F. Karinou, B. Thomsen, K. Jozwik, J. Liu, P. Costa, T. J. Kippenberg, H. Ballani
"Ultrafast optical circuit switching for data centers using integrated soliton microcombs"
Nature Communications (2021)
60. W. Weng, M. Anderson, A. Siddharth, J. He, A. S. Raja, T. J. Kippenberg
"Coherent terahertz-to-microwave link using electro-optic-modulated Turing rolls"
Physical Review A (2021)
61. K. Komagata, A. Tusnín, J. Riemensberger, M. Churaev, H. Guo, A. Tikan, T. J. Kippenberg
"Dissipative Kerr solitons in a photonic dimer on both sides of exceptional point"
Communications Physics (2021)
62. M. Bereyhi, T. J. Kippenberg
"Nanofabrication meets open science"
Nature Nanotechnology (2021)
63. C. Xiang, J. Liu, J. Guo, L. Chang, R. N. Wang, W. Weng, J. Peters, W. Xie, Z. Zhang, J. Riemensberger, J. Selvidge, T. J. Kippenberg, J. E. Bowers
"Laser soliton microcombs heterogeneously integrated on silicon"
Science (2021)
64. M. Anderson, R. Bouchand, J. Liu, W. Weng, E. Obrzud, T. Herr, T. J. Kippenberg
"Photonic chip-based resonant supercontinuum via pulse-driven Kerr microresonator solitons"
Optica (2021)
65. A. Youssefi, I. Shomroni, Y. J. Joshi, N. R. Bernier, A. Lukashchuk, P. Uhrich, L. Qiu, T. J. Kippenberg
"A cryogenic electro-optic interconnect for superconducting devices"
Nature Electronics (2021)
66. J. Liu, G. Huang, R. N. Wang, J. He, A. S. Raja, T. Liu, N. J. Engelsens, T. J. Kippenberg
"High-yield, wafer-scale fabrication of ultralow-loss, dispersion-engineered silicon nitride photonic circuits"
Nature Communications (2021)
67. J. He, I. Paradisanos, T. Liu, A. R. Cadore, J. Liu, M. Churaev, R. N. Wang, A. S. Raja, C. Javerzac-Galy, Ph. Rölly, D. De Fazio, B. L. T. Rosa, S. Tongay, G. Soavi, A. C. Ferrari, T. J. Kippenberg
"Low-loss integrated nanophotonic circuits with layered semiconductor materials"
Nano Letters (2021)
68. W. Weng, A. Kaszubowska-Anandarajah, J. He, P. D. Lakshmijayasimha, E. Lucas, J. Liu, P. M. Anandarajah, T. J. Kippenberg
"Gain-switched semiconductor laser driven soliton microcombs"
Nature Communications (2021)
69. P. J. Marchand, J. Riemensberger, J. C. Skehan, J.-J. Ho, M. H. P. Pfeiffer, J. Liu, C. Hauger, T. Lasser, T. J. Kippenberg
"Soliton microcomb based spectral domain optical coherence tomography"
Nature Communications (2021)
70. A. S. Voloshin, N. M. Kondratiev, G. Lihachev, J. Liu, V. E. Lobanov, N. Y. Dmitriev, W. Weng, T. J. Kippenberg, I. A. Bilenko
"Dynamics of soliton self-injection locking in optical microresonators"
Nature Communications (2021)
71. J. Feldmann, N. Youngblood, M. Karpov, H. Gehring, X. Li, M. Stappers, M. Le Gallo, X. Fu, A. Lukashchuk, A. S. Raja, J. Liu, C. D. Wright, A. Sebastian, T. J. Kippenberg, W. H. P. Pernice, H. Bhaskaran
"Parallel convolutional processing using an integrated photonic tensor core"

Nature (2021)

72. A. Tikan, J. Riemensberger, K. Komagata, S. Hönl, M. Churaev, C. Skehan, H. Guo, R. N. Wang, J. Liu, P. Seidler, T. J. Kippenberg
"Emergent nonlinear phenomena in a driven dissipative photonic dimer"

Nature Physics (2021)

73. S. A. Fedorov, A. Beccari, A. Arabmoheghi, D. J. Wilson, N. J. Engelsens, T. J. Kippenberg
"Thermal intermodulation noise in cavity-based measurements"

Optica (2020)

74. H. Guo, W. Weng, J. Liu, F. Yang, W. Hänsel, C.-S. Brès, L. Thevenaz, R. Holzwarth, T. J. Kippenberg
"Nanophotonic supercontinuum based mid-infrared dual-comb spectroscopy"

Optica (2020)

75. P. Roelli, D. Martin-Cano, T. J. Kippenberg, C. Galland
"Molecular platform for frequency upconversion at the single-photon level"

Physical Review X (2020)

76. W. Weng, A. Kaszubowska-Anandarajah, J. Liu, P. M. Anandarajah, T. J. Kippenberg
"Frequency division using a soliton-injected semiconductor gain-switched frequency comb"

Science Advances (2020)

77. J. Hu, J. He, J. Liu, A. S. Raja, M. Karpov, A. Lukashchuk, T. J. Kippenberg, C.-S. Brès
"Reconfigurable radiofrequency filters based on versatile soliton microcombs"

Nature Communications (2020)

78. A. K. Tusnin, A. M. Tikan, T. J. Kippenberg
"Nonlinear states and dynamics in a synthetic frequency dimension"

Physical Review A (2020)

79. J. Liu, H. Tian, E. Lucas, A. S. Raja, G. Lihachev, R. N. Wang, J. He, T. Liu, M. Anderson, W. Weng, S. A. Bhave, T. J. Kippenberg
"Monolithic piezoelectric control of soliton microcombs"

Nature (2020)

80. B. Shen, L. Chang, J. Liu, H. Wang, Q-F. Yang, C. Xiang, R. N. Wang, J. He, T. Liu, W. Xie, J. Guo, D. Kinghorn, L. Wu, Q-X. Ji, T. J. Kippenberg, K. Vahala, J. E. Bowers
"Integrated turnkey soliton microcombs"

Nature (2020)

81. H. Tian, J. Liu, B. Dong, J. C. Skehan, M. Zervas, T. J. Kippenberg, S. A. Bhave
"Hybrid integrated photonics using bulk acoustic resonators"

Nature Communications (2020)

82. J. Liu, E. Lucas, A. S. Raja, J. He, J. Riemensberger, R. N. Wang, M. Karpov, H. R. Guo, R. Bouchand, T. J. Kippenberg
"Photonic microwave generation in the X- and K-band using integrated soliton microcombs"

Nature Photonics (2020)

83. W. Weng, R. Bouchand, E. Lucas, E. Obrzud, T. Herr, T. J. Kippenberg
"Heteronuclear soliton molecules in optical microresonators"

Nature Communications (2020)

84. J. Riemensberger, A. Lukashchuk, M. Karpov, W. Weng, E. Lucas, J. Liu, T. J. Kippenberg
"Massively parallel coherent laser ranging using a soliton microcomb"

Nature (2020)

85. L. Qiu, I. Shomroni, P. Seidler, T. J. Kippenberg
"Laser cooling of a nanomechanical oscillator to the zero-point energy"

Physical Review Letters (2020)

86. W. Weng, R. Bouchand, T. J. Kippenberg
"Formation and collision of multistability-enabled composite dissipative Kerr solitons"

Physical Review X (2020)

87. I. Shomroni, L. Qiu, T. J. Kippenberg
"Optomechanical generation of a mechanical catlike state by phonon subtraction"

Physical Review A (2020)

88. A. S. Raja, J. Liu, N. Volet, R. N. Wang, J. He, E. Lucas, R. Bouchand, P. Morton, J. E. Bowers, T. J. Kippenberg
"Chip-based soliton microcomb module using a hybrid semiconductor laser"
Optics Express (2020)
89. E. Lucas, P. Brochard, R. Bouchand, S. Schilt, T. Südmeyer, T. J. Kippenberg
"Ultralow-noise photonic microwave synthesis using a soliton microcomb-based transfer oscillator"
Nature Communications (2020)
90. S. A. Fedorov, A. Beccari, N. J. Engelsen, T. J. Kippenberg
"Fractal-like Mechanical Resonators with a Soft-Clamped Fundamental Mode"
Physical Review Letters (2020)
91. D. J. Wilson, K. Schneider, S. Hoenl, M. Anderson, Y. Baumgartner, L. Czornomaz, T. J. Kippenberg, P. Seidler
"Integrated gallium phosphide nonlinear photonics"
Nature Photonics (2020)
92. W. Weng, R. Bouchand, E. Lucas, T. J. Kippenberg
"Polychromatic Cherenkov Radiation Induced Group Velocity Symmetry Breaking in Counterpropagating Dissipative Kerr Solitons"
Physical Review Letters (2019)
93. L. Qiu, I. Shomroni, M. A. Ioannou, N. Piro, D. Malz, A. Nunnenkamp, T. J. Kippenberg
"Floquet dynamics in the quantum measurement of mechanical motion"
Physical Review A (2019)
94. I. Shomroni, A. Youssefi, N. Sauerwein, L. Qiu, P. Seidler, D. Malz, A. Nunnenkamp, T. J. Kippenberg
"Two-Tone Optomechanical Instability and Its Fundamental Implications for Backaction-Evading Measurements"
Physical Review X (2019)
95. M. Karpov, M. H. P. Pfeiffer, H. Guo, W. Weng, J. Liu, T. J. Kippenberg
"Dynamics of soliton crystals in optical microresonators"
Nature Physics (2019)
96. G. Huang, E. Lucas, J. Liu, A. S. Raja, G. Lihachev, M. L. Gorodetsky, N. J. Engelsen, T. J. Kippenberg
"Thermorefractive noise in silicon-nitride microresonators"
Physical Review A (2019)
97. I. Shomroni, L. Qiu, D. Malz, A. Nunnenkamp, T. J. Kippenberg
"Optical Backaction-Evading Measurement of a Mechanical Oscillator"
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