## Zhen Shen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Single-sideband microwave-to-optical conversion in high-Q ferrimagnetic microspheres. Photonics Research, 2022, 10, 820.	7.0	21
2	The Investigation of Forward and Backward Brillouin Scattering in High- <i>Q</i> Chalcogenide Microspheres. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	5
3	基于回音å£å¾®è…"çš"éžäº'æ~"å…‰å噔件. Chinese Science Bulletin, 2022, , .	0.7	0
4	Phase Sensitive Imaging of Mechanical Modes. Springer Theses, 2021, , 91-102.	0.1	0
5	Synthetic Gauge Fields in a Single Optomechanical Resonator. Physical Review Letters, 2021, 126, 123603.	7.8	38
6	Dissipatively Controlled Optomechanical Interaction via Cascaded Photon-Phonon Coupling. Physical Review Letters, 2021, 126, 163604.	7.8	16
7	High-acoustic-index-contrast phononic circuits: Numerical modeling. Journal of Applied Physics, 2020, 128, .	2.5	12
8	Enhanced optomechanical entanglement and cooling via dissipation engineering. Physical Review A, 2020, 101, .	2.5	16
9	Non-reciprocity in Optomechanical Resonators. , 2020, , 125-158.		0
10	Polarization mode hybridization and conversion in phononic wire waveguides. Applied Physics Letters, 2019, 115, .	3.3	6
11	Phononic integrated circuitry and spin–orbit interaction of phonons. Nature Communications, 2019, 10, 2743.	12.8	67
12	Phonon counting boosts hybrid quantum networks based on optomechanics. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	1
13	Tunable Add–Drop Filter With Hollow Bottlelike Microresonators. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	6
14	High quality factor surface Fabry-Perot cavity of acoustic waves. Applied Physics Letters, 2018, 112, .	3.3	19
15	Reconfigurable optomechanical circulator and directional amplifier. Nature Communications, 2018, 9, 1797.	12.8	147
16	Phase sensitive imaging of 10 GHz vibrations in an AlN microdisk resonator. Review of Scientific Instruments, 2017, 88, 123709.	1.3	21
17	Broadband tuning of the optical and mechanical modes in hollow bottle-like microresonators. Optics Express, 2017, 25, 4046.	3.4	26
18	Tunable Raman laser in a hollow bottle-like microresonator. Optics Express, 2017, 25, 16879.	3.4	34

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19	Mechanical bound state in the continuum for optomechanical microresonators. New Journal of Physics, 2016, 18, 063031.	2.9	22
20	Experimental realization of optomechanically induced non-reciprocity. Nature Photonics, 2016, 10, 657-661.	31.4	414
21	Compensation of the Kerr effect for transient optomechanically induced transparency in a silica microsphere. Optics Letters, 2016, 41, 1249.	3.3	31
22	Brillouin-scattering-induced transparency and non-reciprocal light storage. Nature Communications, 2015, 6, 6193.	12.8	266
23	Interconversion of photon-phonon in a silica optomechanical microresonator. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-6.	5.1	4
24	Observation of high-Q optomechanical modes in the mounted silica microspheres. Photonics Research, 2015, 3, 243.	7.0	17
25	High-Q whispering gallery modes in a polymer microresonator with broad strain tuning. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.1	33