

Mani Hossein-Zadeh

List of Publications by Year in descending order

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42
papers

826
citations

567281

15
h-index

477307

29
g-index

42
all docs

42
docs citations

42
times ranked

823
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental observations of synchronization between two bidirectionally coupled physically dissimilar oscillators. <i>Physical Review E</i> , 2020, 102, 042215.	2.1	1
2	Detection and Sensing Using Coupled Oscillatory Systems at the Synchronization Edge. <i>IEEE Sensors Journal</i> , 2020, 20, 12992-12998.	4.7	2
3	On the Performance of Intracavity Gas Sensors Based on Whispering-Gallery Microlasers. <i>IEEE Sensors Journal</i> , 2020, 20, 9772-9778.	4.7	1
4	Underwater Acoustic Signal Detection and Down-Conversion Using Optomechanical Resonance and Oscillation. <i>Journal of Lightwave Technology</i> , 2020, 38, 3789-3797.	4.6	7
5	Design of a Monolithic Low-Threshold Narrow-Linewidth CW Mid-IR Silicon Raman Laser. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1143-1146.	2.5	0
6	Cluster Synchronization in Multilayer Networks: A Fully Analog Experiment with $L < C$ Oscillators with Physically Dissimilar Coupling. <i>Physical Review Letters</i> , 2019, 122, 014101.	7.8	28
7	Ultrasonic acousto-optical receivers based on optomechanical resonance and oscillation. , 2019, , .		0
8	Acousto-Optical Transducer With Optomechanical Gain. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1960-1963.	2.5	4
9	Power scaling of narrow-linewidth mid-IR spherical microlasers. <i>Laser Physics Letters</i> , 2018, 15, 085112.	1.4	5
10	Injection locking of optomechanical oscillators via acoustic waves. <i>Optics Express</i> , 2018, 26, 8275.	3.4	9
11	Spectral and Modal Properties of a Mid-IR Spherical Microlaser. <i>IEEE Journal of Quantum Electronics</i> , 2017, 53, 1-9.	1.9	11
12	Direct stabilization of optomechanical oscillators. <i>Optics Letters</i> , 2017, 42, 1946.	3.3	4
13	Enhancing Mechanical Quality Factors of Micro-Toroidal Optomechanical Resonators Using Phononic Crystals. <i>Journal of Microelectromechanical Systems</i> , 2016, 25, 311-319.	2.5	7
14	Demonstration of a cw room temperature mid-IR microlaser. <i>Optics Letters</i> , 2014, 39, 4458.	3.3	20
15	Characterization of Optomechanical RF frequency Mixing/Down-Conversion and its Application in Photonic RF Receivers. <i>Journal of Lightwave Technology</i> , 2014, 32, 309-317.	4.6	11
16	Low-power photonic control of a microwave ring resonator using bulk illumination. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 1594-1599.	1.4	1
17	Mass Sensing With Optomechanical Oscillation. <i>IEEE Sensors Journal</i> , 2013, 13, 146-147.	4.7	32
18	Thermo-optomechanical oscillations in high-Q ZBLAN microspheres. <i>Optics Letters</i> , 2013, 38, 4413.	3.3	20

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19	Thermo-optomechanical oscillator for sensing applications. Optics Express, 2013, 21, 4653.	3.4	41
20	Sub-pg mass sensing and measurement with an optomechanical oscillator. Optics Express, 2013, 21, 19555.	3.4	109
21	High-Q microresonators for mid-IR light sources and molecular sensors. Optics Letters, 2012, 37, 4389.	3.3	27
22	Photonic microwave down-conversion based on linear modulation and filtering. , 2011, , .		0
23	Application of dynamic line narrowing in resonant optical sensing. Optics Letters, 2011, 36, 4395.	3.3	4
24	Faraday Effect in High-Q Whispering-Gallery Mode Optical Cavities. IEEE Photonics Journal, 2011, 3, 872-880.	2.0	6
25	Practical limitations of high-Q multi-ring optical filters. , 2011, , .		1
26	An Optomechanical Oscillator on a Silicon Chip. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 276-287.	2.9	68
27	On the Performance of High-Q Multiring Optical Filters. IEEE Photonics Journal, 2010, 2, 991-1002.	2.0	5
28	Self-homodyne photonic microwave receiver architecture based on linear optical modulation and filtering. Microwave and Optical Technology Letters, 2008, 50, 345-350.	1.4	6
29	Photonic RF Down-Converter Based on Optomechanical Oscillation. IEEE Photonics Technology Letters, 2008, 20, 234-236.	2.5	40
30	Observation of injection locking in an optomechanical RF oscillator. , 2008, , .		0
31	Observation of injection locking in an optomechanical rf oscillator. Applied Physics Letters, 2008, 93, 191115.	3.3	41
32	Photonic RF-receiver based on all-optical down-conversion in an optomechanical oscillator. , 2008, , .		0
33	Observation of optical spring effect in a microtoroidal optomechanical resonator. Optics Letters, 2007, 32, 1611.	3.3	52
34	Free ultra-high-Q microtoroid: a tool for designing photonic devices. Optics Express, 2007, 15, 166.	3.4	65
35	Free UH-Q microtoroids, new tools for designing photonic devices. , 2007, , .		0
36	Importance of Intrinsic-Q in Microring-Based Optical Filters and Dispersion-Compensation Devices. IEEE Photonics Technology Letters, 2007, 19, 1045-1047.	2.5	13

#	ARTICLE	IF	CITATIONS
37	Fiber-taper coupling to Whispering-Gallery modes of fluidic resonators embedded in a liquid medium. Optics Express, 2006, 14, 10800.	3.4	66
38	Characterization of a Radiation-Pressure-Driven Micromechanical Oscillator. , 2006, , .		1
39	Brownian noise in radiation-pressure-driven micromechanical oscillators. Applied Physics Letters, 2006, 89, 261109.	3.3	29
40	Characterization of a radiation-pressure-driven micromechanical oscillator. Physical Review A, 2006, 74, .	2.5	89
41	Oscillation linewidth and brownian noise in a radiation-pressure-driven opto-mechanical oscillator. , 2006, , .		0
42	Fiber-taper coupling to Whispering-Gallery modes of a droplet resonator embedded in a liquid medium. , 2006, , .		0