

Yan Kei Chiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3868396/publications.pdf>

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12
papers

376
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

303
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced light-matter interactions in dielectric nanostructures via machine-learning approach. <i>Advanced Photonics</i> , 2020, 2, 1.	11.8	81
2	Acoustic meta-atom with experimentally verified maximum Willis coupling. <i>Nature Communications</i> , 2019, 10, 3148.	12.8	60
3	Sound trapping in an open resonator. <i>Nature Communications</i> , 2021, 12, 4819.	12.8	56
4	Reconfigurable Acoustic Metagrating for High-Efficiency Anomalous Reflection. <i>Physical Review Applied</i> , 2020, 13, .	3.8	54
5	Topological Supercavity Resonances in the Finite System. <i>Advanced Science</i> , 2022, 9, e2200257.	11.2	34
6	Fault detection of wheel in wheel/rail system using kurtosis beamforming method. <i>Structural Health Monitoring</i> , 2020, 19, 495-509.	7.5	24
7	Scalable Metagrating for Efficient Ultrasonic Focusing. <i>Physical Review Applied</i> , 2021, 16, .	3.8	20
8	Acoustic behaviors of the microperforated panel absorber array in nonlinear regime under moderate acoustic pressure excitation. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 538-549.	1.1	16
9	Noise control for a dipole sound source using micro-perforated panel housing integrated with a Herschel-Quincke tube. <i>Applied Acoustics</i> , 2019, 148, 202-211.	3.3	13
10	Acoustic radiation force and radiation torque beyond particles: Effects of nonspherical shape and Willis coupling. <i>Physical Review E</i> , 2021, 104, 065003.	2.1	8
11	Microacoustic Metagratings at Ultra-High Frequencies Fabricated by Two-Photon Lithography. <i>Advanced Science</i> , 2022, 9, e2200990.	11.2	6
12	Vortex sound radiation in a flow duct with a dipole source and a flexible wall of finite length. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1999-2010.	1.1	4