

# Yan Kei Chiang

## List of Publications by Year in descending order

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

Version: 2024-02-01

12  
papers

376  
citations

1040056

9  
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1199594

12  
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13  
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docs citations

13  
times ranked

303  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Microacoustic Metagratings at Ultra-High Frequencies Fabricated by Two-Photon Lithography. <i>Advanced Science</i> , 2022, 9, e2200990.   | 11.2 | 6         |
| 2  | Topological Supercavity Resonances in the Finite System. <i>Advanced Science</i> , 2022, 9, e2200257.   | 11.2 | 34        |
| 3  | Sound trapping in an open resonator. <i>Nature Communications</i> , 2021, 12, 4819.   | 12.8 | 56        |
| 4  | Scalable Metagrating for Efficient Ultrasonic Focusing. <i>Physical Review Applied</i> , 2021, 16, .  | 3.8  | 20        |
| 5  | 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         |
| 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  | Reconfigurable Acoustic Metagrating for High-Efficiency Anomalous Reflection. <i>Physical Review Applied</i> , 2020, 13, .  | 3.8  | 54        |
| 8  | Enhanced light-matter interactions in dielectric nanostructures via machine-learning approach. <i>Advanced Photonics</i> , 2020, 2, 1.  | 11.8 | 81        |
| 9  | Acoustic meta-atom with experimentally verified maximum Willis coupling. <i>Nature Communications</i> , 2019, 10, 3148.   | 12.8 | 60        |
| 10 | 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        |
| 11 | 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        |
| 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         |