

# Yong Chang Shin

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

390  
citations

1040056

9  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

208  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing defect-mode-enabled energy localization mechanisms of a one-dimensional phononic crystal. International Journal of Mechanical Sciences, 2022, 215, 106950.	6.7	18
2	L-shape triple defects in a phononic crystal for broadband piezoelectric energy harvesting. Nano Convergence, 2022, 9, .	12.1	9
3	Experimentally validated broadband self-collimation of elastic waves. International Journal of Mechanical Sciences, 2021, 192, 106131.	6.7	16
4	An analytical model of a phononic crystal with a piezoelectric defect for energy harvesting using an electroelastically coupled transfer matrix. International Journal of Mechanical Sciences, 2021, 193, 106160.	6.7	33
5	Double defects-induced elastic wave coupling and energy localization in a phononic crystal. Nano Convergence, 2021, 8, 27.	12.1	25
6	A graded phononic crystal with decoupled double defects for broadband energy localization. International Journal of Mechanical Sciences, 2020, 183, 105833.	6.7	47
7	Elastic wave localization and harvesting using double defect modes of a phononic crystal. Journal of Applied Physics, 2020, 127, .	2.5	57
8	Designing a phononic crystal with a defect for energy localization and harvesting: Supercell size and defect location. International Journal of Mechanical Sciences, 2020, 179, 105670.	6.7	74
9	Topology optimization for phononic band gap maximization considering a target driving frequency. JMST Advances, 2019, 1, 153-159.	1.9	14
10	Two-dimensional octagonal phononic crystals for highly dense piezoelectric energy harvesting. Nano Energy, 2019, 57, 327-337.	16.0	97