

# Yangyang Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1412052/publications.pdf>

Version: 2024-02-01

13  
papers

185  
citations

1307594

7  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric Energy Harvesting from Roadways under Open-Traffic Conditions: Analysis and Optimization with Scaling Law Method. <i>Energies</i> , 2022, 15, 3395.	3.1	4
2	Piezoelectric energy harvesting from roadway deformation under various traffic flow conditions. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 1751-1762.	2.5	12
3	Detection of Moving Load on Pavement Using Piezoelectric Sensors. <i>Sensors</i> , 2020, 20, 2366.	3.8	28
4	Theoretical Modeling on Monitoring Left Ventricle Deformation Using Conformal Piezoelectric Sensors. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2020, 87, .	2.2	4
5	Effects of Orientations on Efficiency of Energy Harvesting from Heart Motion Using Ultrathin Flexible Piezoelectric Devices. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900050.	2.8	3
6	Influences of Environmental Motion Modes on the Efficiency of Ultrathin Flexible Piezoelectric Energy Harvesters. <i>Acta Mechanica Solida Sinica</i> , 2019, 32, 611-620.	1.9	8
7	Generalized optimization method for energy conversion and storage efficiency of nanoscale flexible piezoelectric energy harvesters. <i>Energy Conversion and Management</i> , 2019, 182, 34-40.	9.2	29
8	Identification of Static Loading Conditions Using Piezoelectric Sensor Arrays. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2018, 85, .	2.2	19
9	Electromechanical modeling of eye fatigue detecting using flexible piezoelectric sensors. <i>Science China Information Sciences</i> , 2018, 61, 1.	4.3	3
10	Theory of energy harvesting from heartbeat including the effects of pleural cavity and respiration. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170615.	2.1	7
11	Mechanical Energy Harvesting From Road Pavements Under Vehicular Load Using Embedded Piezoelectric Elements. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	2.2	51
12	Electromechanical Modeling of Energy Harvesting From the Motion of Left Ventricle in Closed Chest Environment. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	2.2	15
13	The axisymmetric love wave in elastic solids and its special properties. <i>Archive of Applied Mechanics</i> , 0, , 1.	2.2	2