

# Farid Ullah Khan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5903954/publications.pdf>

Version: 2024-02-01

49  
papers

1,269  
citations

361413

20  
h-index

377865

34  
g-index

51  
all docs

51  
docs citations

51  
times ranked

858  
citing authors

#	ARTICLE	IF	CITATIONS
1	Power harvesting footwear based on piezo-electromagnetic hybrid generator for sustainable wearable microelectronics. <i>Journal of King Saud University, Engineering Sciences</i> , 2022, 34, 329-338.	2.0	5
2	A survey of wearable energy harvesting systems. <i>International Journal of Energy Research</i> , 2022, 46, 2277-2329.	4.5	22
3	A Pressure-Based Electromagnetic Energy Harvester for Pipeline Monitoring Applications. <i>Journal of Sensors</i> , 2022, 2022, 1-16.	1.1	4
4	Multi-degrees of freedom energy harvesting for broad-band vibration frequency range: A review. <i>Sensors and Actuators A: Physical</i> , 2022, 344, 113690.	4.1	15
5	Vibration-based piezoelectric, electromagnetic, and hybrid energy harvesters for microsystems applications: A contributed review. <i>International Journal of Energy Research</i> , 2021, 45, 65-102.	4.5	88
6	Two degree of freedom vibration based electromagnetic energy harvester for bridge health monitoring system. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 516-536.	2.5	7
7	Review of vibration-based electromagnetic piezoelectric hybrid energy harvesters. <i>International Journal of Energy Research</i> , 2021, 45, 5058-5097.	4.5	37
8	Solar Based Human Embedded Energy Harvester. , 2021, , .		2
9	Nonlinear multi-mode electromagnetic insole energy harvester for human-powered body monitoring sensors: Design, modeling, and characterization. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 6415-6426.	2.1	5
10	A silicone based piezoelectric and electromagnetic hybrid vibration energy harvester. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 055003.	2.6	3
11	Review of frequency up-conversion vibration energy harvesters using impact and plucking mechanism. <i>International Journal of Energy Research</i> , 2021, 45, 15609-15645.	4.5	25
12	Dual Resonator-Type Electromagnetic Energy Harvester for Structural Health Monitoring of Bridges. <i>Journal of Bridge Engineering</i> , 2021, 26, .	2.9	8
13	Experimentation of a Wearable Self-Powered Jacket Harvesting Body Heat for Wearable Device Applications. <i>Journal of Sensors</i> , 2021, 2021, 1-22.	1.1	3
14	Multimodal Hybrid Piezoelectric-Electromagnetic Insole Energy Harvester Using PVDF Generators. <i>Electronics (Switzerland)</i> , 2020, 9, 635.	3.1	34
15	A vibration-based electromagnetic and piezoelectric hybrid energy harvester. <i>International Journal of Energy Research</i> , 2020, 44, 6894-6916.	4.5	12
16	A piezoelectric based energy harvester for simultaneous energy generation and vibration isolation. <i>International Journal of Energy Research</i> , 2019, 43, 5922-5931.	4.5	20
17	Flow type electromagnetic based energy harvester for pipeline health monitoring system. <i>Energy Conversion and Management</i> , 2019, 200, 112089.	9.2	20
18	Energy harvesting from pulsating fluid flow for pipeline monitoring systems. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Analytical Modeling and Simulation of an Electromagnetic Energy Harvester for Pulsating Fluid Flow in Pipeline. <i>Scientific World Journal, The</i> , 2019, 2019, 1-9.	2.1	8
20	Modeling and Simulation of Flow-Based Circular Plate Type Piezoelectric Energy Harvester for Pipeline's Monitoring. , 2019, , .		0
21	RF Energy Harvesting for Portable Biomedical Devices. , 2019, , .		5
22	IoT Based Health Monitoring System for Electrical Motors. , 2019, , .		7
23	Multi-mode vibration based electromagnetic type micro power generator for structural health monitoring of bridges. <i>Sensors and Actuators A: Physical</i> , 2018, 275, 154-161.	4.1	15
24	Electromagnetic based acoustic energy harvester for low power wireless autonomous sensor applications. <i>Sensor Review</i> , 2018, 38, 298-310.	1.8	18
25	Three degree of freedom acoustic energy harvester using improved Helmholtz resonator. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 143-154.	2.2	25
26	Electromagnetic Bridge Energy Harvester Utilizing Bridge's Vibrations and Ambient Wind for Wireless Sensor Node Application. <i>Journal of Sensors</i> , 2018, 2018, 1-18.	1.1	36
27	Hybrid vibration and wind energy harvesting using combined piezoelectric and electromagnetic conversion for bridge health monitoring applications. <i>Energy Conversion and Management</i> , 2018, 172, 611-618.	9.2	167
28	Review of Energy Harvesters Utilizing Bridge Vibrations. <i>Shock and Vibration</i> , 2016, 2016, 1-21.	0.6	41
29	Energy Harvesting from the Stray Electromagnetic Field around the Electrical Power Cable for Smart Grid Applications. <i>Scientific World Journal, The</i> , 2016, 2016, 1-20.	2.1	13
30	Review of non-resonant vibration based energy harvesters for wireless sensor nodes. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	2.0	44
31	Contributed Review: Recent developments in acoustic energy harvesting for autonomous wireless sensor nodes applications. <i>Review of Scientific Instruments</i> , 2016, 87, 021501.	1.3	23
32	Hybrid acoustic energy harvesting using combined electromagnetic and piezoelectric conversion. <i>Review of Scientific Instruments</i> , 2016, 87, 025003.	1.3	41
33	Piezoelectric type acoustic energy harvester with a tapered Helmholtz cavity for improved performance. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	2.0	32
34	Electromagnetic energy harvester for harvesting acoustic energy. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2016, 41, 397-405.	1.3	16
35	State-of-the-art in vibration-based electrostatic energy harvesting. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 103001.	2.6	145
36	An improved design of Helmholtz resonator for acoustic energy harvesting devices. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
37	Electromagnetic-based bridge energy harvester using traffic-induced bridge's vibrations and ambient wind. , 2016, , .		13
38	Electrodynamic energy harvester for electrical transformer's temperature monitoring system. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 2001-2019.	1.3	3
39	State of the art in acoustic energy harvesting. Journal of Micromechanics and Microengineering, 2015, 25, 023001.	2.6	66
40	Modeling of linear micro electromagnetic energy harvesters with nonuniform magnetic field for sinusoidal vibrations. Microsystem Technologies, 2015, 21, 683-692.	2.0	16
41	Hand gesture recognition for automatic tap system. , 2015, , .		2
42	Experimental Study of Direct Laser Deposition of Ti-6Al-4V and Inconel 718 by Using Pulsed Parameters. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	23
43	Modeling and Simulation of Linear and Nonlinear MEMS Scale Electromagnetic Energy Harvesters for Random Vibration Environments. Scientific World Journal, The, 2014, 2014, 1-15.	2.1	22
44	Vibration-based electromagnetic type energy harvester for bridge monitoring sensor application. , 2014, , .		12
45	Nonlinear behaviour of membrane type electromagnetic energy harvester under harmonic and random vibrations. Microsystem Technologies, 2014, 20, 1323-1335.	2.0	59
46	Electromagnetic-based acoustic energy harvester. , 2013, , .		12
47	Acoustic-Based Electrodynamic Energy Harvester for Wireless Sensor Nodes Application. International Journal of Materials Science and Engineering, 2013, 1, 72-78.	0.1	20
48	Vibration-Based Electromagnetic Energy Harvester. , 2010, , .		0
49	Copper foil-type vibration-based electromagnetic energy harvester. Journal of Micromechanics and Microengineering, 2010, 20, 125006.	2.6	70