

Renxin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

164
citations

1307594

7
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

100
citing authors

#	ARTICLE	IF	CITATIONS
1	“Lollipop-shaped” high-sensitivity Microelectromechanical Systems vector hydrophone based on Parylene encapsulation. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	30
2	Development of cup-shaped micro-electromechanical systems-based vector hydrophone. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	24
3	Wide-frequency-bandwidth whisker-inspired MEMS vector hydrophone encapsulated with parylene. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 07LT02.	2.8	23
4	Design and optimization of stress centralized MEMS vector hydrophone with high sensitivity at low frequency. <i>Mechanical Systems and Signal Processing</i> , 2018, 104, 607-618.	8.0	19
5	Cross-supported planar MEMS vector hydrophone for high impact resistance. <i>Sensors and Actuators A: Physical</i> , 2017, 263, 563-570.	4.1	14
6	Detection and Classification of Abnormalities of First Heart Sound Using Empirical Wavelet Transform. <i>IEEE Access</i> , 2019, 7, 139643-139652.	4.2	13
7	Design and realization of dumbbell-shaped ciliary MEMS vector hydrophone. <i>Sensors and Actuators A: Physical</i> , 2020, 311, 112019.	4.1	11
8	Vector High-Resolution Marine Turbulence Sensor Based on a MEMS Bionic Cilium-Shaped Structure. <i>IEEE Sensors Journal</i> , 2021, 21, 8741-8750.	4.7	9
9	A Monolithic Integration Bio-Inspired Three-Dimensional MEMS Vector Hydrophone. <i>IEEE Access</i> , 2019, 7, 102366-102376.	4.2	7
10	A bionic micro-electromechanical system piezo-resistive vector hydrophone that suppresses vibration noise. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 115007.	2.6	7
11	New insight into contradictive relationship between sensitivity and working bandwidth of cilium MEMS bionic vector hydrophone. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 115016.	2.6	6
12	The Influence of Ambient Temperature on the Sensitivity of MEMS Vector Hydrophone. <i>IEEE Sensors Journal</i> , 2021, 21, 17678-17685.	4.7	1