

# Haoyu Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7519409/publications.pdf>

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8  
papers

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1307594  
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docs citations

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times ranked

173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Field-assisted thermionic emission toward quantitative modeling of charge-transfer mechanisms in contact electrification. <i>SmartMat</i> , 2022, 3, 619-631.	10.7	2
2	Tribophotonics: An emerging self-powered wireless solution toward smart city. <i>Nano Energy</i> , 2022, 97, 107196.	16.0	22
3	Underwater Self-Powered All-Optical Wireless Ultrasonic Sensing, Positioning and Communication with Ultrafast Response Time and Ultrahigh Sensitivity. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	12
4	A paradigm shift fully self-powered long-distance wireless sensing solution enabled by discharge-induced displacement current. <i>Science Advances</i> , 2021, 7, eabi6751.	10.3	50
5	A metal-electrode-free, fully integrated, soft triboelectric sensor array for self-powered tactile sensing. <i>Microsystems and Nanoengineering</i> , 2020, 6, 59.	7.0	45
6	On the material-dependent charge transfer mechanism of the contact electrification. <i>Nano Energy</i> , 2020, 78, 105343.	16.0	27
7	Inductor-Free Output Multiplier for Power Promotion and Management of Triboelectric Nanogenerators toward Self-Powered Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5892-5900.	8.0	30
8	Multifunctional Self-Powered Switch toward Delay-Characteristic Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22873-22880.	8.0	15