

# Yang Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

556  
citations

567281

15  
h-index

713466

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Horizontally structured microbial fuel cells in yarns and woven fabrics for wearable bioenergy harvesting. <i>Journal of Power Sources</i> , 2021, 484, 229271.	7.8	17
2	ThermoTag: A Hidden ID of 3D Printers for Fingerprinting and Watermarking. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 2805-2820.	6.9	11
3	Heart Monitor Using Flexible Capacitive ECG Electrodes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 4314-4323.	4.7	42
4	A simple, inexpensive, and rapid method to assess antibiotic effectiveness against exoelectrogenic bacteria. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112518.	10.1	27
5	Characterization of Electrogenic Gut Bacteria. <i>ACS Omega</i> , 2020, 5, 29439-29446.	3.5	27
6	Portable, Disposable, Paper-Based Microbial Fuel Cell Sensor Utilizing Freeze-Dried Bacteria for In Situ Water Quality Monitoring. <i>ACS Omega</i> , 2020, 5, 13940-13947.	3.5	26
7	Moisture-Responsive Paper Robotics. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 1049-1053.	2.5	4
8	A 96-well high-throughput, rapid-screening platform of extracellular electron transfer in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2020, 162, 112259.	10.1	42
9	Wrist in Motion: A Seamless Context-Aware Continuous Authentication Framework Using Your Clickings and Typings. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2020, 2, 294-307.	4.4	6
10	Additive Manufacturing of Living Electrodes. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 1069-1073.	2.5	4
11	A 1-D Yarn-Based Biobattery for Scalable Power Generation in 2-D and 3-D Structured Textiles. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 1064-1068.	2.5	0
12	Paper Robotics: Self-Folding, Gripping, and Locomotion. <i>Advanced Materials Technologies</i> , 2020, 5, 1901054.	5.8	22
13	Characterizing Electrogenic Capabilities of Human Gut Microbes. , 2020, , .		0
14	A scalable yarn-based biobattery for biochemical energy harvesting in smart textiles. <i>Nano Energy</i> , 2020, 74, 104897.	16.0	18
15	Biobatteries: From Microbial Fuel Cells to Biobatteries: Moving toward On-Demand Micropower Generation for Small-Scale Single-Use Applications (Adv. Mater. Technol. 7/2019). <i>Advanced Materials Technologies</i> , 2019, 4, 1970039.	5.8	20
16	Flexible and Scalable Biochemical Energy Harvesting: A Yarn-Based Biobattery. , 2019, , .		1
17	From Microbial Fuel Cells to Biobatteries: Moving toward On-Demand Micropower Generation for Small-Scale Single-Use Applications. <i>Advanced Materials Technologies</i> , 2019, 4, 1900079.	5.8	29
18	A Portable, Single-Use, Paper-Based Microbial Fuel Cell Sensor for Rapid, On-Site Water Quality Monitoring. <i>Sensors</i> , 2019, 19, 5452.	3.8	17

#	ARTICLE	IF	CITATIONS
19	Selective Sensing and Imaging of <i>Penicillium italicum</i> Spores and Hyphae Using Carbohydrate-Lectin Interactions. ACS Sensors, 2018, 3, 648-654.	7.8	8
20	Flexible and stretchable microbial fuel cells with modified conductive and hydrophilic textile. Biosensors and Bioelectronics, 2018, 100, 504-511.	10.1	46
21	Flexible and Stretchable Biobatteries: Monolithic Integration of Membrane-Free Microbial Fuel Cells in a Single Textile Layer. Advanced Energy Materials, 2018, 8, 1702261.	19.5	64
22	Watching and Safeguarding Your 3D Printer. , 2018, 2, 1-27.		36
23	3D Bioprinting of Cyanobacteria for Solar-driven Bioelectricity Generation in Resource-limited Environments. , 2018, 2018, 5329-5332.		0
24	Merging Electric Bacteria with Paper. Advanced Materials Technologies, 2018, 3, 1800118.	5.8	36
25	Stepping Toward Self-Powered Papertronics: Integrating Biobatteries into a Single Sheet of Paper. Advanced Materials Technologies, 2017, 2, 1600194.	5.8	37
26	Rapid Characterization of Bacterial Electrogenicity Using a Single-Sheet Paper-Based Electrofluidic Array. Frontiers in Bioengineering and Biotechnology, 2017, 5, 44.	4.1	16