Yang Gao

List of Publications by Year
in descending order

26	556	567281 15	713466 21
papers	citations	h-index	g-index

26	26	26	578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible and Stretchable Biobatteries: Monolithic Integration of Membraneâ€Free Microbial Fuel Cells in a Single Textile Layer. Advanced Energy Materials, 2018, 8, 1702261.	19.5	64
2	Flexible and stretchable microbial fuel cells with modified conductive and hydrophilic textile. Biosensors and Bioelectronics, 2018, 100, 504-511.	10.1	46
3	Heart Monitor Using Flexible Capacitive ECG Electrodes. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4314-4323.	4.7	42
4	A 96-well high-throughput, rapid-screening platform of extracellular electron transfer in microbial fuel cells. Biosensors and Bioelectronics, 2020, 162, 112259.	10.1	42
5	Stepping Toward Selfâ€Powered Papertronics: Integrating Biobatteries into a Single Sheet of Paper. Advanced Materials Technologies, 2017, 2, 1600194.	5.8	37
6	Watching and Safeguarding Your 3D Printer. , 2018, 2, 1-27.		36
7	Merging Electric Bacteria with Paper. Advanced Materials Technologies, 2018, 3, 1800118.	5.8	36
8	From Microbial Fuel Cells to Biobatteries: Moving toward Onâ€Demand Micropower Generation for Smallâ€Scale Singleâ€Use Applications. Advanced Materials Technologies, 2019, 4, 1900079.	5.8	29
9	A simple, inexpensive, and rapid method to assess antibiotic effectiveness against exoelectrogenic bacteria. Biosensors and Bioelectronics, 2020, 168, 112518.	10.1	27
10	Characterization of Electrogenic Gut Bacteria. ACS Omega, 2020, 5, 29439-29446.	3.5	27
11	Portable, Disposable, Paper-Based Microbial Fuel Cell Sensor Utilizing Freeze-Dried Bacteria for In Situ Water Quality Monitoring. ACS Omega, 2020, 5, 13940-13947.	3.5	26
12	Paper Robotics: Selfâ€Folding, Gripping, and Locomotion. Advanced Materials Technologies, 2020, 5, 1901054.	5.8	22
13	Biobatteries: From Microbial Fuel Cells to Biobatteries: Moving toward Onâ€Demand Micropower Generation for Smallâ€Scale Singleâ€Use Applications (Adv. Mater. Technol. 7/2019). Advanced Materials Technologies, 2019, 4, 1970039.	5.8	20
14	A scalable yarn-based biobattery for biochemical energy harvesting in smart textiles. Nano Energy, 2020, 74, 104897.	16.0	18
15	A Portable, Single-Use, Paper-Based Microbial Fuel Cell Sensor for Rapid, On-Site Water Quality Monitoring. Sensors, 2019, 19, 5452.	3.8	17
16	Horizontally structured microbial fuel cells in yarns and woven fabrics for wearable bioenergy harvesting. Journal of Power Sources, 2021, 484, 229271.	7.8	17
17	Rapid Characterization of Bacterial Electrogenicity Using a Single-Sheet Paper-Based Electrofluidic Array. Frontiers in Bioengineering and Biotechnology, 2017, 5, 44.	4.1	16
18	ThermoTag: A Hidden ID of 3D Printers for Fingerprinting and Watermarking. IEEE Transactions on Information Forensics and Security, 2021, 16, 2805-2820.	6.9	11

#	Article	IF	Citations
19	Selective Sensing and Imaging of Penicillium italicum Spores and Hyphae Using Carbohydrateâ€“Lectin Interactions. ACS Sensors, 2018, 3, 648-654.	7.8	8
20	Wrist in Motion: A Seamless Context-Aware Continuous Authentication Framework Using Your Clickings and Typings. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 294-307.	4.4	6
21	Moisture-Responsive Paper Robotics. Journal of Microelectromechanical Systems, 2020, 29, 1049-1053.	2.5	4
22	Additive Manufacturing of Living Electrodes. Journal of Microelectromechanical Systems, 2020, 29, 1069-1073.	2.5	4
23	Flexible and Scalable Biochemical Energy Harvesting: A Yarn-Based Biobattery. , 2019, , .		1
24	3D Bioprinting of Cyanobacteria for Solar-driven Bioelectricity Generation in Resource-limited Environments. , 2018, 2018, 5329-5332.		0
25	A 1-D Yarn-Based Biobattery for Scalable Power Generation in 2-D and 3-D Structured Textiles. Journal of Microelectromechanical Systems, 2020, 29, 1064-1068.	2.5	0
26	Characterizing Electrogenic Capabilities of Human Gut Microbes. , 2020, , .		0