Bo Wang

List of Publications by Year in descending order

26 papers	1,020 citations	623734 14 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	1214 citing authors

#	Article	IF	Citations
1	Wearable aptamer-field-effect transistor sensing system for noninvasive cortisol monitoring. Science Advances, 2022, 8, eabk0967.	10.3	118
2	A touch-based multimodal and cryptographic bio-humanâ€“machine interface. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201937119.	7.1	11
3	Design Framework and Sensing System for Noninvasive Wearable Electroactive Drug Monitoring. ACS Sensors, 2020, 5, 265-273.	7.8	28
4	A Mediatorâ€Free Electroenzymatic Sensing Methodology to Mitigate Ionic and Electroactive Interferents' Effects for Reliable Wearable Metabolite and Nutrient Monitoring. Advanced Functional Materials, 2020, 30, 1908507.	14.9	36
5	Natural Perspiration Sampling and in Situ Electrochemical Analysis with Hydrogel Micropatches for User-Identifiable and Wireless Chemo/Biosensing. ACS Sensors, 2020, 5, 93-102.	7.8	69
6	Noninvasive wearable electroactive pharmaceutical monitoring for personalized therapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19017-19025.	7.1	71
7	A Fouling-Resistant Voltammetric Sensing System for Wearable Electroactive Biomarker Monitoring. Journal of Microelectromechanical Systems, 2020, 29, 1059-1063.	2.5	4
8	An Adhesive and Corrosion-Resistant Biomarker Sensing Film for Biosmart Wearable Consumer Electronics. Journal of Microelectromechanical Systems, 2020, 29, 1112-1114.	2.5	2
9	A programmable epidermal microfluidic valving system for wearable biofluid management and contextual biomarker analysis. Nature Communications, 2020, 11, 4405.	12.8	92
10	An implantable multifunctional neural microprobe for simultaneous multi-analyte sensing and chemical delivery. Lab on A Chip, 2020, 20, 1390-1397.	6.0	18
11	A wearable freestanding electrochemical sensing system. Science Advances, 2020, 6, eaaz0007.	10.3	87
12	Wearable chemical sensors. , 2020, , 49-63.		2
13	Pt Nanoparticleâ€modified Carbon Fiber Microelectrode for Selective Electrochemical Sensing of Hydrogen Peroxide. Electroanalysis, 2019, 31, 1641-1645.	2.9	16
14	A rapid and low-cost fabrication and integration scheme to render 3D microfluidic architectures for wearable biofluid sampling, manipulation, and sensing. Lab on A Chip, 2019, 19, 2844-2853.	6.0	37
15	A wearable electrofluidic actuation system. Lab on A Chip, 2019, 19, 2966-2972.	6.0	15
16	A Complete Electroenzymatic Choline Microprobe Based on Nanostructured Platinum Microelectrodes and an IrOx Onâ€probe Reference Electrode. Electroanalysis, 2019, 31, 1249-1253.	2.9	4
17	Flexible, multifunctional neural probe with liquid metal enabled, ultra-large tunable stiffness for deep-brain chemical sensing and agent delivery. Biosensors and Bioelectronics, 2019, 131, 37-45.	10.1	107
18	A 3D-printed microfluidic-enabled hollow microneedle architecture for transdermal drug delivery. Biomicrofluidics, 2019, 13, 064125.	2.4	118

#	Article	IF	Citations
19	ROS-Response-Induced Zwitterionic Dendrimer for Gene Delivery. Langmuir, 2019, 35, 1613-1620.	3.5	14
20	Multi-Functional Neural Probes for Pharmacological and Optogenetic Manipulation and Detection of Neurotransmitter Release. , 2018, , .		0
21	Microbiosensor fabrication by polydimethylsiloxane stamping for combined sensing of glucose and choline. Analyst, The, 2018, 143, 5008-5013.	3.5	17
22	Enzyme Deposition by Polydimethylsiloxane Stamping for Biosensor Fabrication. Electroanalysis, 2017, 29, 2300-2306.	2.9	12
23	Synthesis of orthogonally protected l-glucose, l-mannose, and l-galactose from d-glucose. Tetrahedron, 2012, 68, 6981-6989.	1.9	14
24	Efficient in Vitro siRNA Delivery and Intramuscular Gene Silencing Using PEG-Modified PAMAM Dendrimers. Molecular Pharmaceutics, 2012, 9, 1812-1821.	4.6	92
25	Active Cobalt Catalyst for the Cleavage of Benzyl Ether. Journal of Organic Chemistry, 2011, 76, 9531-9535.	3.2	13
26	Highly Efficient and Mild Method for Regioselective De-O-benzylation of Saccharides by Co₂(CO)₈-Et₃SiHâˆ'CO Reagent System. Organic Letters, 2010, 12, 536-539.	4.6	23