

Chen Cheng

List of Publications by Year in descending order

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14
papers

691
citations

759233

12
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

765
citing authors

#	ARTICLE	IF	CITATIONS
1	Smartphone-based chemical sensors and biosensors for biomedical applications. , 2022, , 307-332.		0
2	Electrochemical non-enzymatic sensing of glycoside toxins by boronic acid functionalized nano-composites on screen-printed electrode. Sensors and Actuators B: Chemical, 2021, 329, 129197.	7.8	14
3	Battery-free, wireless, and flexible electrochemical patch for in situ analysis of sweat cortisol via near field communication. Biosensors and Bioelectronics, 2021, 172, 112782.	10.1	82
4	Battery-Free and Wireless Smart Wound Dressing for Wound Infection Monitoring and Electrically Controlled On-Demand Drug Delivery. Advanced Functional Materials, 2021, 31, 2100852.	14.9	135
5	Implantable platinum nanotree microelectrode with a battery-free electrochemical patch for peritoneal carcinomatosis monitoring. Biosensors and Bioelectronics, 2021, 185, 113265.	10.1	13
6	A wireless, ingestible pH sensing capsule system based on iridium oxide for monitoring gastrointestinal health. Sensors and Actuators B: Chemical, 2021, 349, 130781.	7.8	14
7	Wireless, battery-free and wearable device for electrically controlled drug delivery: sodium salicylate released from bilayer polypyrrole by near-field communication on smartphone. Biomedical Microdevices, 2020, 22, 53.	2.8	19
8	Salivary Cortisol Determination on Smartphone-Based Differential Pulse Voltammetry System. Sensors, 2020, 20, 1422.	3.8	32
9	Fully integrated battery-free and flexible electrochemical tag for on-demand wireless in situ monitoring of heavy metals. Sensors and Actuators B: Chemical, 2020, 310, 127809.	7.8	29
10	Nanochannel Templated Iridium Oxide Nanostructures for Wide-Range pH Sensing from Solutions to Human Skin Surface. Analytical Chemistry, 2020, 92, 3844-3851.	6.5	16
11	Smartphone-based battery-free and flexible electrochemical patch for calcium and chloride ions detections in biofluids. Sensors and Actuators B: Chemical, 2019, 297, 126743.	7.8	86
12	Battery-Free and Wireless Epidermal Electrochemical System with All-Printed Stretchable Electrode Array for Multiplexed In Situ Sweat Analysis. Advanced Materials Technologies, 2019, 4, 1800658.	5.8	124
13	Electrochemiluminescence on smartphone with silica nanopores membrane modified electrodes for nitroaromatic explosives detection. Biosensors and Bioelectronics, 2019, 129, 284-291.	10.1	60
14	Smartphone-based differential pulse amperometry system for real-time monitoring of levodopa with carbon nanotubes and gold nanoparticles modified screen-printing electrodes. Biosensors and Bioelectronics, 2019, 129, 216-223.	10.1	67