

Chen Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

691
citations

759233

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1125743

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14
times ranked

765
citing authors

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