Xing Chen

List of Publications by Year
in descending order

26 papers	**566** citations	687363 **13** h-index	752698 **20** g-index
26 all docs	**26** docs citations	**26** times ranked	**653** citing authors

#	Article	IF	Citations
1	Artificial Intelligent Olfactory System for the Diagnosis of Parkinson's Disease. ACS Omega, 2022, 7, 4001-4010.	3.5	11
2	Electrostatic Jet Engineering of Flexible Composite Pressure Sensors for Physical Applications. ACS Applied Polymer Materials, 2022, 4, 868-878.	4.4	8
3	Online Accurate Detection of Breath Acetone Using Metal Oxide Semiconductor Gas Sensor and Diffusive Gas Separation. Frontiers in Bioengineering and Biotechnology, 2022, 10, 861950.	4.1	7
4	Smartphone-Based Platforms for Clinical Detections in Lung-Cancer-Related Exhaled Breath Biomarkers: A Review. Biosensors, 2022, 12, 223.	4.7	8
5	High Precision 3D Printing for Micro to Nano Scale Biomedical and Electronic Devices. Micromachines, 2022, 13, 642.	2.9	27
6	Chemiresistive gas sensors based on electrospun semiconductor metal oxides: A review. Talanta, 2022, 246, 123527.	5.5	21
7	Precursor-Based ZnO Nano Inks for Printed Electronics**Research supported by a Zhejiang Provincial Natural Science Foundation of China (No. LQ21F010003 to H.D) a China Postdoctoral Science Foundation (No. 2020M681952 to H.D) and Youth Science Fund Project of Zhejiang Lab (No.) Tj ETQq1 1 0.784314 rgBT /Overlock 1		0
8	Calculated indices of volatile organic compounds (VOCs) in exhalation for lung cancer screening and early detection. Lung Cancer, 2021, 154, 197-205.	2.0	33
9	Real time detection of 3-nitrotyrosine using smartphone-based electrochemiluminescence. Biosensors and Bioelectronics, 2021, 187, 113284.	10.1	22
10	Evaluating Propofol Concentration in Blood From Exhaled Gas Using a Breathing-Related Partition Coefficient. Anesthesia and Analgesia, 2020, 130, 958-966.	2.2	6
11	A Highly Sensitive Amperometric Glutamate Oxidase Microbiosensor Based on a Reduced Graphene Oxide/Prussian Blue Nanocube/Gold Nanoparticle Composite Film-Modified Pt Electrode. Sensors, 2020, 20, 2924.	3.8	17
12	A core-shell multi-drug platform to improve gastrointestinal tract microbial health using 3D printing. Biofabrication, 2020, 12, 025026.	7.1	22
13	3D electrohydrodynamic printing of highly aligned dual-core graphene composite matrices. Carbon, 2019, 153, 285-297.	10.3	36
14	Engineering On-Demand Magnetic Core-Shell Composite Wound Dressing Matrices via Electrohydrodynamic Micro-Scale Printing. Advanced Engineering Materials, 2019, 21, 1900699.	3.5	16
15	Precision Printing of Customized Cylindrical Capsules with Multifunctional Layers for Oral Drug Delivery. ACS Applied Materials & Interfaces, 2019, 11, 39179-39191.	8.0	19
16	Simultaneous on-line monitoring of propofol and sevoflurane in balanced anesthesia by direct resistive heating gas chromatography. Journal of Chromatography A, 2017, 1506, 93-100.	3.7	17
17	Sniffing sevoflurane and propofol in exhalation from patients during balanced anesthesia. , 2017, , .		1
18	A Non-invasive Monitoring of Propofol Concentration in Blood by a Virtual Surface Acoustic Wave Sensor Array. Analytical Sciences, 2017, 33, 1271-1277.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Association of Smoking with Metabolic Volatile Organic Compounds in Exhaled Breath. International Journal of Molecular Sciences, 2017, 18, 2235.	4.1	16
20	Modeling the Natural History and Detection of Lung Cancer Based on Smoking Behavior. PLoS ONE, 2014, 9, e93430.	2.5	2
21	Optimization of volatile markers of lung cancer to exclude interferences of non-malignant disease. Cancer Biomarkers, 2014, 14, 371-379.	1.7	32
22	Development of electronic nose for diagnosis of lung cancer at early atage. , 2008, , .		9
23	A Vector-based Filtering Algorithm for Microarray Image. , 2007, , .		3
24	A study of the volatile organic compounds exhaled by lung cancer cells in vitro for breath diagnosis. Cancer, 2007, 110, 835-844.	4.1	203
25	A Non-invasive Detection of Lung Cancer Combined Virtual Gas Sensors Array with Imaging Recognition Technique. , 2005, 2005, 5873-6.		13
26	Detection volatile organic compounds in breath as markers of lung cancer using a novel electronic nose. , 0, , .		9