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	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
2	3D electrohydrodynamic printing of highly aligned dual-core graphene composite matrices. Carbon, 2019, 153, 285-297.	10.3	36
3	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
4	Optimization of volatile markers of lung cancer to exclude interferences of non-malignant disease. Cancer Biomarkers, 2014, 14, 371-379.	1.7	32
5	High Precision 3D Printing for Micro to Nano Scale Biomedical and Electronic Devices. Micromachines, 2022, 13, 642.	2.9	27
6	A coreâ€"shell multi-drug platform to improve gastrointestinal tract microbial health using 3D printing. Biofabrication, 2020, 12, 025026.	7.1	22
7	Real time detection of 3-nitrotyrosine using smartphone-based electrochemiluminescence. Biosensors and Bioelectronics, 2021, 187, 113284.	10.1	22
8	Chemiresistive gas sensors based on electrospun semiconductor metal oxides: A review. Talanta, 2022, 246, 123527.	5.5	21
9	Precision Printing of Customized Cylindrical Capsules with Multifunctional Layers for Oral Drug Delivery. ACS Applied Materials & Interfaces, 2019, 11, 39179-39191.	8.0	19
10	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
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	Association of Smoking with Metabolic Volatile Organic Compounds in Exhaled Breath. International Journal of Molecular Sciences, 2017, 18, 2235.	4.1	16
13	Engineering Onâ€Đemand Magnetic Coreâ€"Shell Composite Wound Dressing Matrices via Electrohydrodynamic Microâ€Scale Printing. Advanced Engineering Materials, 2019, 21, 1900699.	3.5	16
14	A Non-invasive Detection of Lung Cancer Combined Virtual Gas Sensors Array with Imaging Recognition Technique. , 2005, 2005, 5873-6.		13
15	Artificial Intelligent Olfactory System for the Diagnosis of Parkinsonâ€™s Disease. ACS Omega, 2022, 7, 4001-4010.	3.5	11
16	Detection volatile organic compounds in breath as markers of lung cancer using a novel electronic nose. , 0, , .		9
17	Development of electronic nose for diagnosis of lung cancer at early atage. , 2008, , .		9
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	Electrostatic Jet Engineering of Flexible Composite Pressure Sensors for Physical Applications. ACS Applied Polymer Materials, 2022, 4, 868-878.	4.4	8
20	Smartphone-Based Platforms for Clinical Detections in Lung-Cancer-Related Exhaled Breath Biomarkers: A Review. Biosensors, 2022, 12, 223.	4.7	8
21	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
22	Evaluating Propofol Concentration in Blood From Exhaled Gas Using a Breathing-Related Partition Coefficient. Anesthesia and Analgesia, 2020, 130, 958-966.	2.2	6
23	A Vector-based Filtering Algorithm for Microarray Image. , 2007, , .		3
24	Modeling the Natural History and Detection of Lung Cancer Based on Smoking Behavior. PLoS ONE, 2014, 9, e93430.	2.5	2
25	Sniffing sevoflurane and propofol in exhalation from patients during balanced anesthesia. , 2017, , .		1
26	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 ETQq0 0 0 rgBT /Overlock 10 Tf 50 452		0