

序号	论文名称	期刊名称	收录类别	所有作者
1	Organic microcrystal interface triggered reactivity: A case study of environmentally benign aromatic boric acid reaction	Chem. Commun.	SCI 收录	Xiaonan Ji, Wei Xu,* Huarui Zhao, Fen Mei, YanYan Fu, Qingguo He,* Huimin Cao, Jiangong Cheng*
2	A New Method to Synthesize Sub-10 nm CaF <sub>2</sub> :Nd <sup>3+</sup> Nanoparticles and fluorescent enhancement via Li <sup>+</sup> ions or Ce <sup>3+</sup> ions doping	Dyes and Pigments	SCI 收录	Tan Wang, Yaguo Yu, Xiaonan Ji, Wei Xu, Yanyan Fu, Huimin Cao, Qingguo He*, Jiangong Cheng*
3	More Interaction Sites and Enhanced Fluorescence for Highly Sensitive Fluorescence Detection of Methamphetamine Vapor via Sidechain Terminal Functionalization of Conjugated Polymers	ChemistrySelect.	SCI 收录	Yaguo Yu, Wei Xu, Tan Wang, Yanyan Fu, Huimin Cao, <b>Qingguo He,*</b> Jiangong Cheng*
4	有机半导体荧光传感材料及危险化学品检测应用	中国科学(化学)	CSCD 核心期刊论文	徐炜, 贺庆国*, 程建功*
5	"Oven-Controlled MEMS Oscillator with Integrated Micro-Evaporation Trimming"	Sensors	SCI 收录	Binbin Pei, Ke Sun, Heng Yang 1, Chaozhan Ye, Peng Zhong, Tingting Yu, Xinxin Li
6	"A Novel Vacuum Packaging Process Using Sputtered Copper Layer as Non-evaporable Getter Activated by Microwave"	IEEE MEMS 2020	EI 收录	Binbin Pei, Chaozhan Ye, Ke Sun, Peng Zhong, Tingting Yu, Heng Yang, Xinxin Li
7	"CMOS Compatible TSV Process with Post-CMOS Thermomigration Refilling of Au-Si Eutectic Alloy"	IEEE MEMS 2020	EI 收录	Peng Zhong, Binbin Pei, Tingting Yu, Chuanguo Dou, Heng Yang, Xinxin Li
8	"Micro-Oven-Controlled MEMS Oscillator Integrated with Micro-Evaporator for Frequency Trimming"	IEEE MEMS 2020	EI 收录	Binbin Pei, Ke Sun, Peng Zhong, Tingting Yu, Chaozhan Ye, Heng Yang, Xinxin Li
9	"用于脉搏波检测的背接触式触觉传感阵列单元"	传感技术学报	一般期刊	于婷婷, 孙珂, 裴彬彬, 陈建中, 钟鹏, 杨恒
10	Highly Sensitive p+Si/Al Thermopile-based Gas Flow Sensors by Using Front-Sided Bulk Micromachining Technology	IEEE Transactions on Electron Devices	SCI 和 EI 同时收录	王珊珊, 薛丹, 王家畴, 李昕欣

11	A Front-Side Microfabricated Thermoresistive Gas Flow Sensors for High-Performance, Low-Cost and High-Yield Volume Production	Micromachines	SCI 和 EI 同时收录	薛丹,王家畴,李昕欣
12	Sensitivity Improvement of p+Si/Au thermopile-based gas flow sensor by optimizing heat-sink and thermal-insulation configuration	IEEE MEMS 2020	EI 收录	王珊珊,王家畴,李昕欣
13	Monolithic integration of pressure plus Z-axis acceleration composite TPMS sensor with 1.0mm×1.0mm chip-size and 0.09\$/die fabrication cost	IEEE MEMS 2020	EI 收录	薛丹,王家畴,李昕欣
14	An in-situ TEM microreactor for real-time nanomorphology & physicochemical parameters interrelated characterization	Nano Today	SCI 收录	李伟, 李明, 王雪晴, 许鹏程, 于海涛, 李昕欣
15	Resonant-Cantilever-Detected Kinetic/Thermodynamic Parameters for Aptamer-Ligand Binding on a Liquid-Solid Interface	Analytical Chemistry	SCI 收录	王雪凤, 成雅蓉, 蔡晟然, 陈建中, 许鹏程, 陈滢, 于海涛, 徐铁刚, 张森, 李昕欣
16	IN-PLANE MODE RESONANT CANTILEVER SENSOR TO DETECT KINETIC/THERMODYNAMIC PARAMETERS FOR APTAMER-LIGAND BINDING	IEEE MEMS 2020	EI 收录	王雪凤, 成雅蓉, 蔡晟然, 陈建中, 许鹏程, 陈滢, 于海涛, 李昕欣
17	OPTIMIZATION OF NANO-COPPER AS H <sub>2</sub> S GAS SENSING MATERIAL BY QUANTITATIVELY EVALUATING THERMODYNAMIC ENTHALPY WITH RESONANT MICROCANTILEVER	IEEE MEMS 2020	EI 收录	李明, 许鹏程, 于海涛, 王雪晴, 陈滢, 李昕欣
18	A SEAL-FREE VALVELESS DIGITAL PCR CHIP SUPPORTED WITH A HIGH-PRESSURE WATER CIRCULATION SYSTEM	IEEE MEMS 2020	EI 收录	徐铁刚, 吴蕾, 王雪凤, 朱晓玥, 陈建中, 姚方兰, 李昕欣
19	LONG-TERM STABILITY IMPROVEMENT OF MICRO-HOTPLATE METHANE SENSOR PRODUCT	IEEE MEMS 2020	EI 收录	陈滢, 许鹏程, 张平平, 李昕欣

20	The catalytic-induced sensing effect of triangular CeO <sub>2</sub> nanoflakes for enhanced BTEX vapor detection with conventional ZnO gas sensors	Journal of Materials Chemistry A	SCI 收录	王丁, 殷越, 许鹏程, 王峰, 王平, 徐京城, 王现英, 李昕欣
21	Pentagram-Shaped Ag@Pt Core-Shell Nanostructures as HighPerformance Catalysts for Formaldehyde Detection	ACS Applied Materials & Interfaces	SCI 收录	徐东升, 许鹏程, 王雪晴, 陈滢, 于海涛, 郑丹, 李昕欣
22	H <sub>2</sub> S gas sensor based on integrated resonant dual-microcantilevers with high sensitivity and identification capability	Chinese Chemical Letters	SCI 收录	唐蕾, 许鹏程, 李明, 于海涛, 李昕欣
23	Generic Approach to Boost the Sensitivity of Metal Oxide Sensors by Decoupling the Surface Charge Exchange and Resistance Reading Process	ACS Applied Materials & Interfaces	SCI 收录	代甜甜、孟钢、邓赞红、陈、刘弘禹、李亮、王时茂、常鋆青、许鹏程、李昕欣、方晓东
24	Solution-phase synthesis of ordered mesoporous carbon as resonant-gravimetric sensing material for room-temperature H <sub>2</sub> S detection	Chinese Chemical Letters	SCI 收录	聂建伟, 赵涛, 唐蕾, 邱鹏鹏, 江莞, 王连军, 许鹏程, 罗维
25	A rewritable optical storage medium of silk proteins using near-field nano-optics	Nature Nanotechnology	SCI 收录	Woonsoo Lee, 周志涛, Xinzhong Chen, 秦楠, 姜建娟, 柳克银, 刘梦昆, 陶虎, and Wei Li*
26	"Self - Matched" Tribo/Piezoelectric Nanogenerators Using Vapor - Induced Phase - Separated Poly (vinylidene fluoride) and Recombinant Spider Silk	Advanced Materials (Cover story)	SCI 收录	黄涛, 张瑜伽, 何鹏, 王刚, 夏晓霞, 丁谷巧, 陶虎
27	Biomimicking antibacterial and pharmaceutical opto-electro sensing suture made of regenerated silk proteins	Advanced Materials	SCI 收录	刘孟玮, 张瑜伽, 柳克银, 章盖, 毛颖, 陈亮, 彭银波, 陶虎
28	A Bioinspired Wireless Epidermal Photoreceptor for Artificial Skin Vision	Advanced Functional Materials (Cover story)	SCI 收录	张瑜伽, 陶虎

29	Photo-induced Tunable and Reconfigurable Electronic and Photonic Devices Using a Silk-based Diffractive Optics Platform	Advanced Science	SCI 收录	蔡晓晴, 周志涛, 陶虎
30	Body-Integrated, Enzyme-Triggered Degradable, Silk-Based Mechanical Sensors for Customized Health/Fitness Monitoring and In Situ Treatment	Advanced Science	SCI 收录	张珊, 周志涛, 钟俊杰, 史之峰, 毛颖, 陶虎
31	In situ regulation of macrophage polarization to enhance osseointegration under diabetic conditions using injectable silk/sitagliptin gel scaffolds	Advanced Science	SCI 收录	相庚, 柳克银, 王天吉, 胡晓帆, 王靖, 雷伟, 冯亚非, 陶虎
32	Implantable, Degradable, Therapeutic Terahertz Metamaterial Devices	Small (Front cover story)	SCI 收录	孙龙, 周志涛, 钟俊杰, 史之峰, 毛颖, 黎华, 曹俊杰, 陶虎
33	All-Aqueous-Processed Injectable In Situ Forming Macroporous Silk Gel Scaffolds for Minimally Invasive Intracranial and Osteological Therapies	Advanced Healthcare Materials (Back cover)	SCI 收录	柳克银, 范振, 王天吉, 高志恒, 钟俊杰, 相庚, 雷伟, 史之峰, 冯亚非, 毛颖, 陶虎
34	Nanomanufacturing of biopolymers using electron and ion beams	Journal of Micromechanics and Microengineering	SCI 收录	姜建娟, 秦楠, 陶虎
35	"Micro thermal conductivity detector based on SOI substrate with low detection limit"	Sens. Actuators, B	SCI 收录	赵斌, 冯飞*, 田博文, 俞正寅, 李昕欣
36	"The performance of micro-fabricated gas chromatographic columns with different number of serpentine turns"	IEEE MEMS 2020	EI 收录	刘启勇, 冯飞, 杨雪蕾, 赵斌, 赵阳洋, 周海梅, 张贵阳, 李昕欣
37	"Microfabricated semipacked gas chromatography columns embedded high density elliptic cylindrical posts"	IEEE MEMS 2021	EI 收录	陈泊鑫, 冯飞, 赵阳洋, 刘启勇, 赵斌, 李磊, 周海梅, 李昕欣
38	"Micro gas chromatographic columns with metal-organic frameworks as stationary phase"	IEEE MEMS 2021	EI 收录	赵阳洋, 陈泊鑫, 刘启勇, 李昕欣, 郑丹, 冯飞

39	A centrifugal microfluidic emulsifier integrated with oil storage structures for robust digital LAMP	Biomedical Microdevices	SCI 收录	Huo Peng,Minjie Zhu,Zehang Gao,Chengyue Liao,Chunping Jia,Hua Wang,Hongbo Zhou, Jianlong Zhao
40	基于非接触电导检测的PCR液滴检测芯片的研究	分析测试学报	CSCD 核心期刊论文	廖承悦,彭伙,高则航,齐同,周洪波,赵建龙
41	Droplets isolated array: A universal platform of delaying molecule cross-contamination between microdroplets for digital enzyme-based	Sensors and Actuators: B. Chemical	SCI 收录	Zehang Gao,Jingwei Yi, Jianlong Zhao, Hongchen Gu, Hongbo Zhou, Hong Xu
42	基于微流控芯片三维细胞团的构建和培养	传感器与微系统	CSCD 核心期刊论文	乔苗苗,刘婷,金庆辉,杨红,葛玉卿,赵建龙
43	唾液外泌体与疾病诊疗的研究现状和发展	功能材料与器件学报	CSCD 核心期刊论文	屈友兰, 白亚楠, 刘慧颖, 毛红菊
44	Robust Droplet Digital PCR Chip for Absolute Quantitative Detection of Nucleic Acid	高等学校化学学报	SCI 收录	彭伙, 高则航, 廖承悦, 王晓冬, 周洪波, 赵建龙
45	Robust and multiplexed colorimetric immunoassay for cardiovascular disease biomarkers detection in serum with high specificity	Microchemical Journal	SCI 收录	Hai-dao Dong, Li-hong Huang, Dan-yang Liua, Lin Zhou, Zhen-hua Wu, Zu-le Cheng
46	On-site analysis of COVID-19 on the surfaces in wards	The Science of the total environment	SCI 收录	Bin Wan, Xinlian Zhang, Dongxia Luo, Tong Zhang, Xi Chen, Yuhan Yao, Xia Zhao, Limei Lei, Chunmei Liu, Wang Zhao, Lin Zhou, Yuqing Ge, Hongju Mao, Sixiu Liu, Jianmin Chen, Xunjia Cheng, Jianlong Zhao, Guodong Sui.