

Baoqing Nie

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,332
citations

471061

17
h-index

580395

25
g-index

29
all docs

29
docs citations

29
times ranked

1902
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-inspired flexible electronics for smart E-skin. <i>Acta Biomaterialia</i> , 2022, 139, 280-295.	4.1	48
2	A flexible organohydrogel-based humidity sensor for noncontact artificial sensation. <i>Science China Technological Sciences</i> , 2022, 65, 191-200.	2.0	4
3	A portable applanation tonometer for accurate intraocular pressure measurements. <i>Sensors and Actuators A: Physical</i> , 2022, 344, 113708.	2.0	2
4	Sensing arbitrary contact forces with a flexible porous dielectric elastomer. <i>Materials Horizons</i> , 2021, 8, 962-971.	6.4	23
5	Integrating Cycled Enzymatic DNA Amplification and Surface-Enhanced Raman Scattering for Sensitive Detection of Circulating Tumor DNA. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 676065.	1.6	7
6	Triggering Reactive Oxygen Species Field Effect Transistor Based on HIF-1 α Signaling for Enhanced Chemodynamic Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2106471.	7.8	9
7	Highly transparent, antifreezing and stretchable conductive organohydrogels for strain and pressure sensors. <i>Science China Technological Sciences</i> , 2021, 64, 2532-2540.	2.0	8
8	Highly Stretchable and Sensitive Pressure Sensor Array Based on Icicle-Shaped Liquid Metal Film Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27961-27970.	4.0	67
9	The sensitive detection of single-cell secreted lactic acid for glycolytic inhibitor screening with a microdroplet biosensor. <i>Analytical Methods</i> , 2020, 12, 3250-3259.	1.3	4
10	Frequency-independent self-powered sensing based on capacitive impedance matching effect of triboelectric nanogenerator. <i>Nano Energy</i> , 2019, 65, 103984.	8.2	44
11	Aptamer Conformation-Cooperated Enzyme-Assisted Surface-Enhanced Raman Scattering Enabling Ultrasensitive Detection of Cell Surface Protein Biomarkers in Blood Samples. <i>ACS Sensors</i> , 2019, 4, 2605-2614.	4.0	23
12	A Micro Capacitance Measurement System with Ultra-High Accuracy and Fast Speed. , 2019, , .		0
13	A Flexible and Highly Sensitive Inductive Pressure Sensor Array Based on Ferrite Films. <i>Sensors</i> , 2019, 19, 2406.	2.1	23
14	Wearable Pressure Sensors: Textile-Based Wireless Pressure Sensor Array for Human-Interactive Sensing (<i>Adv. Funct. Mater.</i> 22/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970152.	7.8	1
15	Textile-Based Wireless Pressure Sensor Array for Human-Interactive Sensing. <i>Advanced Functional Materials</i> , 2019, 29, 1808786.	7.8	122
16	A Wireless Flexible Pressure Sensor for Human Motion Detection. , 2019, , .		2
17	All VN-graphene architecture derived self-powered wearable sensors for ultrasensitive health monitoring. <i>Nano Research</i> , 2019, 12, 331-338.	5.8	67
18	Sensitive Detection of Single-Cell Secreted H ₂ O ₂ by Integrating a Microfluidic Droplet Sensor and Au Nanoclusters. <i>Analytical Chemistry</i> , 2018, 90, 4478-4484.	3.2	77

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19	A droplet-based passive force sensor for remote tactile sensing applications. Applied Physics Letters, 2018, 112, .	1.5	20
20	Numerical study of cornea applanation by using a portable force-displacement sensor for intraocular pressure measurements. , 2018, , .		0
21	A hybrid system for intraocular pressure measurements through combining a capacitive flexible force sensor and swept-source optical coherence tomography. , 2018, , .		0
22	Telemedical Wearable Sensing Platform for Management of Chronic Venous Disorder. Annals of Biomedical Engineering, 2016, 44, 2282-2291.	1.3	32
23	Flexible Transparent Iontronic Film for Interfacial Capacitive Pressure Sensing. Advanced Materials, 2015, 27, 6055-6062.	11.1	354
24	Flexible Electronics: Microflotronics: A Flexible, Transparent, Pressure-Sensitive Microfluidic Film (Adv. Funct. Mater. 39/2014). Advanced Functional Materials, 2014, 24, 6086-6086.	7.8	2
25	Iontronic microdroplet array for flexible ultrasensitive tactile sensing. Lab on A Chip, 2014, 14, 1107.	3.1	123
26	Microflotronics: A Flexible, Transparent, Pressure-Sensitive Microfluidic Film. Advanced Functional Materials, 2014, 24, 6195-6203.	7.8	66
27	Microfluidic tactile sensors for three-dimensional contact force measurements. Lab on A Chip, 2014, 14, 4344-4353.	3.1	47
28	Droplet-based interfacial capacitive sensing. Lab on A Chip, 2012, 12, 1110.	3.1	137
29	Capillary-driven automatic packaging. Lab on A Chip, 2011, 11, 1464.	3.1	20