

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	Flexible Transparent Iontronic Film for Interfacial Capacitive Pressure Sensing. <i>Advanced Materials</i> , 2015, 27, 6055-6062.	11.1	354
2	Droplet-based interfacial capacitive sensing. <i>Lab on A Chip</i> , 2012, 12, 1110.	3.1	137
3	Iontronic microdroplet array for flexible ultrasensitive tactile sensing. <i>Lab on A Chip</i> , 2014, 14, 1107.	3.1	123
4	Textile-Based Wireless Pressure Sensor Array for Human-Interactive Sensing. <i>Advanced Functional Materials</i> , 2019, 29, 1808786.	7.8	122
5	Sensitive Detection of Single-Cell Secreted H_2O_2 by Integrating a Microfluidic Droplet Sensor and Au Nanoclusters. <i>Analytical Chemistry</i> , 2018, 90, 4478-4484.	3.2	77
6	All VN-graphene architecture derived self-powered wearable sensors for ultrasensitive health monitoring. <i>Nano Research</i> , 2019, 12, 331-338.	5.8	67
7	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
8	Microflotronics: A Flexible, Transparent, Pressure-Sensitive Microfluidic Film. <i>Advanced Functional Materials</i> , 2014, 24, 6195-6203.	7.8	66
9	Bio-inspired flexible electronics for smart E-skin. <i>Acta Biomaterialia</i> , 2022, 139, 280-295.	4.1	48
10	Microfluidic tactile sensors for three-dimensional contact force measurements. <i>Lab on A Chip</i> , 2014, 14, 4344-4353.	3.1	47
11	Frequency-independent self-powered sensing based on capacitive impedance matching effect of triboelectric nanogenerator. <i>Nano Energy</i> , 2019, 65, 103984.	8.2	44
12	Telemedical Wearable Sensing Platform for Management of Chronic Venous Disorder. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2282-2291.	1.3	32
13	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
14	A Flexible and Highly Sensitive Inductive Pressure Sensor Array Based on Ferrite Films. <i>Sensors</i> , 2019, 19, 2406.	2.1	23
15	Sensing arbitrary contact forces with a flexible porous dielectric elastomer. <i>Materials Horizons</i> , 2021, 8, 962-971.	6.4	23
16	Capillary-driven automatic packaging. <i>Lab on A Chip</i> , 2011, 11, 1464.	3.1	20
17	A droplet-based passive force sensor for remote tactile sensing applications. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	20
18	Triggering Reactive Oxygen Species Field Effect Transistor Based on HfA_{11} Signaling for Enhanced Chemodynamic Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2106471.	7.8	9

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	A flexible organohydrogel-based humidity sensor for noncontact artificial sensation. <i>Science China Technological Sciences</i> , 2022, 65, 191-200.	2.0	4
23	Flexible Electronics: Microfluidics: A Flexible, Transparent, Pressure-Sensitive Microfluidic Film (<i>Adv. Funct. Mater.</i> 39/2014). <i>Advanced Functional Materials</i> , 2014, 24, 6086-6086.	7.8	2
24	A Wireless Flexible Pressure Sensor for Human Motion Detection. , 2019, , .		2
25	A portable applanation tonometer for accurate intraocular pressure measurements. <i>Sensors and Actuators A: Physical</i> , 2022, 344, 113708.	2.0	2
26	Wearable Pressure Sensors: Textile-Based Wireless Pressure Sensor Array for Human-Computer Interactive Sensing (<i>Adv. Funct. Mater.</i> 22/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970152.	7.8	1
27	A Micro Capacitance Measurement System with Ultra-High Accuracy and Fast Speed. , 2019, , .		0
28	Numerical study of cornea applanation by using a portable force-displacement sensor for intraocular pressure measurements. , 2018, , .		0
29	A hybrid system for intraocular pressure measurements through combining a capacitive flexible force sensor and swept-source optical coherence tomography. , 2018, , .		0