

Bing Ji

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

752
citations

687220

13
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839398

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18
docs citations

18
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	A bio-inspired cilia array as the dielectric layer for flexible capacitive pressure sensors with high sensitivity and a broad detection range. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27334-27346.	5.2	130
2	Bio-Inspired Hybrid Dielectric for Capacitive and Triboelectric Tactile Sensors with High Sensitivity and Ultrawide Linearity Range. <i>Advanced Materials</i> , 2021, 33, e2100859.	11.1	113
3	Gradient Architecture-Enabled Capacitive Tactile Sensor with High Sensitivity and Ultrabroad Linearity Range. <i>Small</i> , 2021, 17, e2103312.	5.2	73
4	Synergistic Optimization toward the Sensitivity and Linearity of Flexible Pressure Sensor via Double Conductive Layer and Porous Microdome Array. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31021-31035.	4.0	68
5	Facile Preparation of Hybrid Structure Based on Mesodome and Micropillar Arrays as Flexible Electronic Skin with Tunable Sensitivity and Detection Range. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28060-28071.	4.0	67
6	Robust and Wearable Pressure Sensor Assembled from AgNW-Coated PDMS Micropillar Sheets with High Sensitivity and Wide Detection Range. <i>ACS Applied Nano Materials</i> , 2019, 2, 3196-3205.	2.4	50
7	Tilted magnetic micropillars enabled dual-mode sensor for tactile/touchless perceptions. <i>Nano Energy</i> , 2020, 78, 105382.	8.2	49
8	Towards the rapid and efficient mixing on 'open-surface' droplet-based microfluidics via magnetic actuation. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 181-190.	4.0	37
9	Vertically-aligned 1T/2H-MS2 (Mo ₂ S ₂) nanosheets for surface-enhanced Raman scattering with long-term stability and large-scale uniformity. <i>Applied Surface Science</i> , 2020, 527, 146769.	3.1	33
10	Lithography-Free Formation of Controllable Microdomes via Droplet Templates for Robust, Ultrasensitive, and Flexible Pressure Sensors. <i>ACS Applied Nano Materials</i> , 2019, 2, 7178-7187.	2.4	25
11	Suppression of coffee-ring effect via periodic oscillation of substrate for ultra-sensitive enrichment towards surface-enhanced Raman scattering. <i>Nanoscale</i> , 2019, 11, 20534-20545.	2.8	21
12	In situ assembly of a wearable capacitive sensor with a spine-shaped dielectric for shear-pressure monitoring. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15634-15645.	2.7	19
13	Magnetized Micropillar-Enabled Wearable Sensors for Touchless and Intelligent Information Communication. <i>Nano-Micro Letters</i> , 2021, 13, 197.	14.4	19
14	PLGA Nanofiber/PDMS Microporous Composite Membrane-Sandwiched Microchip for Drug Testing. <i>Micromachines</i> , 2020, 11, 1054.	1.4	11
15	Dynamic enrichment of plasmonic hot-spots and analytes on superhydrophobic and magnetically functionalized platform for surface-enhanced Raman scattering. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128297.	4.0	11
16	Rapid and flexible actuation of droplets via a low-adhesive and deformable magnetically functionalized membrane. <i>Journal of Materials Science</i> , 2018, 53, 13253-13263.	1.7	10
17	High-throughput generation of a concentration gradient on open arrays by serial and parallel dilution for drug testing and screening. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127487.	4.0	10
18	Segregation behavior of magnetic ions in continuous flowing solution under gradient magnetic field. <i>Chinese Physics B</i> , 2016, 25, 074704.	0.7	6