

Jiuk Jang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,001
citations

361296

20
h-index

552653

26
g-index

26
all docs

26
docs citations

26
times ranked

2905
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft, smart contact lenses with integrations of wireless circuits, glucose sensors, and displays. <i>Science Advances</i> , 2018, 4, eaap9841.	4.7	465
2	Stretchable, Transparent Electrodes as Wearable Heaters Using Nanotrough Networks of Metallic Glasses with Superior Mechanical Properties and Thermal Stability. <i>Nano Letters</i> , 2016, 16, 471-478.	4.5	265
3	Smart Sensor Systems for Wearable Electronic Devices. <i>Polymers</i> , 2017, 9, 303.	2.0	185
4	Rapid production of large-area, transparent and stretchable electrodes using metal nanofibers as wirelessly operated wearable heaters. <i>NPG Asia Materials</i> , 2017, 9, e432-e432.	3.8	151
5	Liquid Metal-Based Soft Electronics for Wearable Healthcare. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002280.	3.9	116
6	High Dielectric Performances of Flexible and Transparent Cellulose Hybrid Films Controlled by Multidimensional Metal Nanostructures. <i>Advanced Materials</i> , 2017, 29, 1700538.	11.1	106
7	Mechanoluminescent, Air-Dielectric MoS ₂ Transistors as Active-Matrix Pressure Sensors for Wide Detection Ranges from Footsteps to Cellular Motions. <i>Nano Letters</i> , 2020, 20, 66-74.	4.5	80
8	Biomimetic Chitin-Silk Hybrids: An Optically Transparent Structural Platform for Wearable Devices and Advanced Electronics. <i>Advanced Functional Materials</i> , 2018, 28, 1705480.	7.8	74
9	Smart contact lens and transparent heat patch for remote monitoring and therapy of chronic ocular surface inflammation using mobiles. <i>Science Advances</i> , 2021, 7, .	4.7	71
10	Integration of Transparent Supercapacitors and Electrodes Using Nanostructured Metallic Glass Films for Wirelessly Rechargeable, Skin Heat Patches. <i>Nano Letters</i> , 2020, 20, 4872-4881.	4.5	56
11	Human-Interactive, Active-Matrix Displays for Visualization of Tactile Pressures. <i>Advanced Materials Technologies</i> , 2019, 4, 1900082.	3.0	53
12	Platform for wireless pressure sensing with built-in battery and instant visualization. <i>Nano Energy</i> , 2019, 62, 230-238.	8.2	43
13	Amorphous Oxide Semiconductor Transistors with Air Dielectrics for Transparent and Wearable Pressure Sensor Arrays. <i>Advanced Materials Technologies</i> , 2020, 5, 1900928.	3.0	42
14	Multimodal Digital X-ray Scanners with Synchronous Mapping of Tactile Pressure Distributions using Perovskites. <i>Advanced Materials</i> , 2021, 33, e2008539.	11.1	36
15	Stretchable electronic devices using graphene and its hybrid nanostructures. <i>FlatChem</i> , 2017, 3, 71-91.	2.8	34
16	Nanomaterial-based stretchable and transparent electrodes. <i>Journal of Information Display</i> , 2016, 17, 131-141.	2.1	33
17	Motion Detection Using Tactile Sensors Based on Pressure-Sensitive Transistor Arrays. <i>Sensors</i> , 2020, 20, 3624.	2.1	33
18	3D Heterogeneous Device Arrays for Multiplexed Sensing Platforms Using Transfer of Perovskites. <i>Advanced Materials</i> , 2021, 33, e2101093.	11.1	33

#	ARTICLE	IF	CITATIONS
19	Implantation of electronic visual prosthesis for blindness restoration. <i>Optical Materials Express</i> , 2019, 9, 3878.	1.6	32
20	Recent progress on wearable point-of-care devices for ocular systems. <i>Lab on A Chip</i> , 2021, 21, 1269-1286.	3.1	27
21	Recent advances in electronic devices for monitoring and modulation of brain. <i>Nano Research</i> , 2021, 14, 3070-3095.	5.8	18
22	Haze-free transparent electrodes using metal nanofibers with carbon shells for high-temperature stability. <i>Applied Surface Science</i> , 2019, 483, 1101-1109.	3.1	17
23	Self-Healable, Recyclable Anisotropic Conductive Films of Liquid Metal-Gelatin Hybrids for Soft Electronics. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	16
24	Multi-dimensional carbon nanofibers for supercapacitor electrodes. <i>Journal of Electroceramics</i> , 2017, 38, 43-50.	0.8	13
25	High-performance transparent nanocomposites based on robust organic nanoparticles for optoelectronic applications. <i>Progress in Organic Coatings</i> , 2022, 164, 106699.	1.9	1