

Zhoulyu Rao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2891188/publications.pdf>

Version: 2024-02-01

19
papers

1,724
citations

567281

15
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

2379
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Ultrathin Electronics Innervated Adaptive Fully Soft Robots. <i>Advanced Materials</i> , 2018, 30, e1706695.	21.0	301
2	Metal oxide semiconductor nanomembrane-based soft unnoticeable multifunctional electronics for wearable human-machine interfaces. <i>Science Advances</i> , 2019, 5, eaav9653.	10.3	213
3	Ultra-conformal drawn-on-skin electronics for multifunctional motion artifact-free sensing and point-of-care treatment. <i>Nature Communications</i> , 2020, 11, 3823.	12.8	196
4	Stretchable elastic synaptic transistors for neurologically integrated soft engineering systems. <i>Science Advances</i> , 2019, 5, eaax4961.	10.3	191
5	Three-dimensional curvy electronics created using conformal additive stamp printing. <i>Nature Electronics</i> , 2019, 2, 471-479.	26.0	131
6	An epicardial bioelectronic patch made from soft rubbery materials and capable of spatiotemporal mapping of electrophysiological activity. <i>Nature Electronics</i> , 2020, 3, 775-784.	26.0	126
7	Fully rubbery integrated electronics from high effective mobility intrinsically stretchable semiconductors. <i>Science Advances</i> , 2019, 5, eaav5749.	10.3	117
8	Rubbery Electronics Fully Made of Stretchable Elastomeric Electronic Materials. <i>Advanced Materials</i> , 2020, 32, e1902417.	21.0	95
9	Curvy, shape-adaptive imagers based on printed optoelectronic pixels with a kirigami design. <i>Nature Electronics</i> , 2021, 4, 513-521.	26.0	87
10	Soft Electronics for the Skin: From Health Monitors to Human-Machine Interfaces. <i>Advanced Materials Technologies</i> , 2020, 5, .	5.8	80
11	Air/water interfacial assembled rubbery semiconducting nanofilm for fully rubbery integrated electronics. <i>Science Advances</i> , 2020, 6, .	10.3	54
12	Fully rubbery synaptic transistors made out of all-organic materials for elastic neurological electronic skin. <i>Nano Research</i> , 2022, 15, 758-764.	10.4	26
13	Curvy surface conformal ultra-thin transfer printed Si optoelectronic penetrating microprobe arrays. <i>Npj Flexible Electronics</i> , 2018, 2, .	10.7	23
14	Flexible organic solar cells for biomedical devices. <i>Nano Research</i> , 2021, 14, 2891-2903.	10.4	19
15	Soft Ultrathin Silicon Electronics for Soft Neural Interfaces: A Review of Recent Advances of Soft Neural Interfaces Based on Ultrathin Silicon. <i>IEEE Nanotechnology Magazine</i> , 2018, 12, 21-34.	1.3	16
16	All-Polymer Based Stretchable Rubbery Electronics and Sensors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	14
17	Drawn-on-skin Sensors from Fully Biocompatible Inks toward High-Quality Electrophysiology. <i>Small</i> , 2022, 18, .	10.0	12
18	Modulation of the two-dimensional electron gas channel in flexible AlGaIn/GaN high-electron-mobility transistors by mechanical bending. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	7

#	ARTICLE	IF	CITATIONS
19	Stretchable Electronics: Rubbery Electronics Fully Made of Stretchable Elastomeric Electronic Materials (Adv. Mater. 15/2020). Advanced Materials, 2020, 32, 2070119.	21.0	1