

Tran Quang Trung

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

4,961
citations

31
h-index

42
g-index

42
ext. papers

5,856
ext. citations

13.5
avg, IF

6.52
L-index

#	Paper	IF	Citations
41	Stretchable Broadband Plasmonic Photodetector Based on a Hybrid and Composite of Metal Nanoparticles and Organic Semiconductor. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101128	4.6	0
40	A flexible artificial intrinsic-synaptic tactile sensory organ. <i>Nature Communications</i> , 2020 , 11, 2753	17.4	46
39	A wearable lab-on-a-patch platform with stretchable nanostructured biosensor for non-invasive immunodetection of biomarker in sweat. <i>Biosensors and Bioelectronics</i> , 2020 , 156, 112133	11.8	62
38	Recent progress, challenges, and prospects of fully integrated mobile and wearable point-of-care testing systems for self-testing. <i>Chemical Society Reviews</i> , 2020 , 49, 1812-1866	58.5	135
37	Toward a Stretchable Organic Light-Emitting Diode on 3D Microstructured Elastomeric Substrate and Transparent Hybrid Anode. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900995	6.8	15
36	Hollow Microfibers of Elastomeric Nanocomposites for Fully Stretchable and Highly Sensitive Microfluidic Immunobiosensor Patch. <i>Advanced Functional Materials</i> , 2020 , 30, 2004684	15.6	9
35	. <i>Proceedings of the IEEE</i> , 2019 , 107, 2065-2083	14.3	35
34	A transparent stretchable sensor for distinguishable detection of touch and pressure by capacitive and piezoresistive signal transduction. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	33
33	Stretchable and transparent nanofiber-networked electrodes based on nanocomposites of polyurethane/reduced graphene oxide/silver nanoparticles with high dispersion and fused junctions. <i>Nanoscale</i> , 2019 , 11, 3916-3924	7.7	15
32	Highly Electrocatalytic, Durable, and Stretchable Nanohybrid Fiber for On-Body Sweat Glucose Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10707-10717	9.5	63
31	A Stretchable Strain-Insensitive Temperature Sensor Based on Free-Standing Elastomeric Composite Fibers for On-Body Monitoring of Skin Temperature. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2317-2327	9.5	69
30	Stretchable, Transparent, Tough, Ultrathin, and Self-limiting Skin-like Substrate for Stretchable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27297-27307	9.5	29
29	Freestanding, Fiber-Based, Wearable Temperature Sensor with Tunable Thermal Index for Healthcare Monitoring. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800074	10.1	108
28	Materials and devices for transparent stretchable electronics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2202-2222	7.1	96
27	Transparent, stretchable, and rapid-response humidity sensor for body-attachable wearable electronics. <i>Nano Research</i> , 2017 , 10, 2021-2033	10	144
26	Stretchable, Transparent, and Stretch-Unresponsive Capacitive Touch Sensor Array with Selectively Patterned Silver Nanowires/Reduced Graphene Oxide Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18022-18030	9.5	102
25	A stretchable and highly sensitive chemical sensor using multilayered network of polyurethane nanofibres with self-assembled reduced graphene oxide. <i>2D Materials</i> , 2017 , 4, 025062	5.9	37

24	An Omnidirectionally Stretchable Photodetector Based on Organic-Inorganic Heterojunctions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35958-35967	9.5	38
23	Recent Progress on Stretchable Electronic Devices with Intrinsically Stretchable Components. <i>Advanced Materials</i> , 2017 , 29, 1603167	24	281
22	A durable and stable piezoelectric nanogenerator with nanocomposite nanofibers embedded in an elastomer under high loading for a self-powered sensor system. <i>Nano Energy</i> , 2016 , 30, 434-442	17.1	88
21	An All-Elastomeric Transparent and Stretchable Temperature Sensor for Body-Attachable Wearable Electronics. <i>Advanced Materials</i> , 2016 , 28, 502-9	24	536
20	Methylammonium lead iodide perovskite-graphene hybrid channels in flexible broadband phototransistors. <i>Carbon</i> , 2016 , 105, 353-361	10.4	98
19	Flexible and Stretchable Physical Sensor Integrated Platforms for Wearable Human-Activity Monitoring and Personal Healthcare. <i>Advanced Materials</i> , 2016 , 28, 4338-72	24	1219
18	Flexible Transparent Reduced Graphene Oxide Sensor Coupled with Organic Dye Molecules for Rapid Dual-Mode Ammonia Gas Detection. <i>Advanced Functional Materials</i> , 2016 , 26, 4329-4338	15.6	84
17	Sensors: An All-Elastomeric Transparent and Stretchable Temperature Sensor for Body-Attachable Wearable Electronics (Adv. Mater. 3/2016). <i>Advanced Materials</i> , 2016 , 28, 394-394	24	7
16	Ultrahigh Responsivity in Graphene-ZnO Nanorod Hybrid UV Photodetector. <i>Small</i> , 2015 , 11, 3054-65	11	136
15	High-Performance Flexible Ultraviolet (UV) Phototransistor Using Hybrid Channel of Vertical ZnO Nanorods and Graphene. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11032-40	9.5	62
14	Transparent Stretchable Self-Powered Patchable Sensor Platform with Ultrasensitive Recognition of Human Activities. <i>ACS Nano</i> , 2015 , 9, 8801-10	16.7	369
13	A flexible magnetoelectric field-effect transistor with magnetically responsive nanohybrid gate dielectric layer. <i>Nano Research</i> , 2015 , 8, 3421-3429	10	15
12	High Performance Three-Dimensional Chemical Sensor Platform Using Reduced Graphene Oxide Formed on High Aspect-Ratio Micro-Pillars. <i>Advanced Functional Materials</i> , 2015 , 25, 883-890	15.6	138
11	A Sensor Array Using Multi-functional Field-effect Transistors with Ultrahigh Sensitivity and Precision for Bio-monitoring. <i>Scientific Reports</i> , 2015 , 5, 12705	4.9	70
10	Infrared Detection Using Transparent and Flexible Field-Effect Transistor Array with Solution Processable Nanocomposite Channel of Reduced Graphene Oxide and P(VDF-TrFE). <i>Advanced Functional Materials</i> , 2015 , 25, 1745-1754	15.6	30
9	Flexible and Transparent Nanocomposite of Reduced Graphene Oxide and P(VDF-TrFE) Copolymer for High Thermal Responsivity in a Field-Effect Transistor. <i>Advanced Functional Materials</i> , 2014 , 24, 3438-3445	15.6	92
8	Improved performance and stability of field-effect transistors with polymeric residue-free graphene channel transferred by gold layer. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 4098-105	3.6	24
7	A flexible bimodal sensor array for simultaneous sensing of pressure and temperature. <i>Advanced Materials</i> , 2014 , 26, 796-804	24	312

6	A Flexible Reduced Graphene Oxide Field-Effect Transistor for Ultrasensitive Strain Sensing. <i>Advanced Functional Materials</i> , 2014 , 24, 117-124	15.6	110
5	Transparent and flexible organic field-effect transistor for multi-modal sensing. <i>Organic Electronics</i> , 2012 , 13, 533-540	3.5	64
4	Nanocomposites of reduced graphene oxide nanosheets and conducting polymer for stretchable transparent conducting electrodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23759		79
3	High thermal responsiveness of a reduced graphene oxide field-effect transistor. <i>Advanced Materials</i> , 2012 , 24, 5254-60	24	58
2	Physically responsive field-effect transistors with giant electromechanical coupling induced by nanocomposite gate dielectrics. <i>ACS Nano</i> , 2011 , 5, 7069-76	16.7	50
1	Stretchable and Stable Electrolyte-Gated Organic Electrochemical Transistor Synapse with a Nafion Membrane for Enhanced Synaptic Properties. <i>Advanced Engineering Materials</i> , 2100918	3.5	2