Yang Li

List of Publications by Year
in descending order

41 papers	1,992 citations	304743 22 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	1986 citing authors

#	Article	IF	Citations
1	A novel SOI-LDMOS with field plate auxiliary doping layer that has improved breakdown voltage. Solid-State Electronics, 2022, 189, 108227.	1.4	3
2	Dielectric Polarizationâ€Filtering Metasurface Doublet for Trifunctional Control of Fullâ€Space Visible Light. Laser and Photonics Reviews, 2022, 16, .	8.7	11
3	Nanostructured perovskites for nonvolatile memory devices. Chemical Society Reviews, 2022, 51, 3341-3379.	38.1	71
4	Skinâ€Inspired Capacitive Stress Sensor with Large Dynamic Range via Bilayer Liquid Metal Elastomers. Advanced Materials Technologies, 2022, 7, .	5.8	23
5	A waterproof and breathable Cotton/rGO/CNT composite for constructing a layer-by-layer structured multifunctional flexible sensor. Nano Research, 2022, 15, 9341-9351.	10.4	26
6	A Digitalâ€“Analog Integrated Memristor Based on a ZnO NPs/CuO NWs Heterostructure for Neuromorphic Computing. ACS Applied Electronic Materials, 2022, 4, 3525-3534.	4.3	18
7	Hybrid electronic skin combining triboelectric nanogenerator and humidity sensor for contact and non-contact sensing. Nano Energy, 2022, 101, 107541.	16.0	31
8	Wearable and Biodegradable Sensors for Human Health Monitoring. ACS Applied Bio Materials, 2021, 4, 122-139.	4.6	52
9	Efficient All-Dielectric Diatomic Metasurface for Linear Polarization Generation and 1-Bit Phase Control. ACS Applied Materials & Interfaces, 2021, 13, 14497-14506.	8.0	20
10	Synthesis of Waferâ€Scale Graphene with Chemical Vapor Deposition for Electronic Device Applications. Advanced Materials Technologies, 2021, 6, 2000744.	5.8	46
11	Artificial Optoelectronic Synapses Based on TiN_xO_{2â€“}_x/MoS₂ Heterojunction for Neuromorphic Computing and Visual System. Advanced Functional Materials, 2021, 31, 2101201.	14.9	92
12	Ultrafast-response/recovery capacitive humidity sensor based on arc-shaped hollow structure with nanocone arrays for human physiological signals monitoring. Sensors and Actuators B: Chemical, 2021, 334, 129637.	7.8	58
13	Multifunctional Optoelectronic Random Access Memory Device Based on Surfaceâ€Plasmaâ€Treated Inorganic Halide Perovskite. Advanced Electronic Materials, 2021, 7, 2100366.	5.1	15
14	Microâ€Nano Processing of Active Layers in Flexible Tactile Sensors via Template Methods: A Review. Small, 2021, 17, e2100804.	10.0	82
15	Recent Advances in Carbon Materialâ€Based Multifunctional Sensors and Their Applications in Electronic Skin Systems. Advanced Functional Materials, 2021, 31, 2104288.	14.9	116
16	Carbon-based nanomaterials for the detection of volatile organic compounds: A review. Carbon, 2021, 180, 274-297.	10.3	67
17	Wrinkle networks in exfoliated multilayer graphene and other layered materials. Carbon, 2020, 156, 24-30.	10.3	23
18	On-chip 3D interdigital micro-supercapacitors with ultrahigh areal energy density. Energy Storage Materials, 2020, 27, 17-24.	18.0	54

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19	Highly Morphologyâ€Controllable and Highly Sensitive Capacitive Tactile Sensor Based on Epidermisâ€Dermisâ€Inspired Interlocked Asymmetricâ€Nanocone Arrays for Detection of Tiny Pressure. Small, 2020, 16, e1904774.	10.0	166
20	Study on Multilevel Resistive Switching Behavior With Tunable ON/OFF Ratio Capability in Forming-Free ZnO QDs-Based RRAM. IEEE Transactions on Electron Devices, 2020, 67, 4884-4890.	3.0	24
21	Fabrication of a Sensitive Strain and Pressure Sensor from Gold Nanoparticle-Assembled 3D-Interconnected Graphene Microchannel-Embedded PDMS. ACS Applied Materials & Interfaces, 2020, 12, 51854-51863.	8.0	41
22	Unsymmetrical Alveolate PMMA/MWCNT Film as a Piezoresistive E-Skin with Four-Dimensional Resolution and Application for Detecting Motion Direction and Airflow Rate. ACS Applied Materials & Interfaces, 2020, 12, 30896-30904.	8.0	23
23	Sn3O4/rGO heterostructure as a material for formaldehyde gas sensor with a wide detecting range and low operating temperature. Sensors and Actuators B: Chemical, 2020, 312, 127954.	7.8	85
24	Polarization-encrypted high-resolution full-color images exploiting hydrogenated amorphous silicon nanogratings. Nanophotonics, 2020, 9, 875-884.	6.0	15
25	Reusable, Non-Invasive, and Ultrafast Radio Frequency Biosensor Based on Optimized Integrated Passive Device Fabrication Process for Quantitative Detection of Glucose Levels. Sensors, 2020, 20, 1565.	3.8	13
26	High-Performance Formaldehyde Gas Sensor Based on Cu-Doped Sn₃O₄ Hierarchical Nanoflowers. IEEE Sensors Journal, 2020, 20, 6945-6953.	4.7	31
27	Towards high-performance microscale batteries: Configurations and optimization of electrode materials by in-situ analytical platforms. Energy Storage Materials, 2020, 29, 17-41.	18.0	25
28	Super Field Plate Technique That Can Provide Charge Balance Effect for Lateral Power Devices Without Occupying Drift Region. IEEE Transactions on Electron Devices, 2020, 67, 2218-2222.	3.0	11
29	High-performance and self-rectifying resistive random access memory based on SnO₂ nanorod array: ZnO nanoparticle structure. Applied Physics Express, 2019, 12, 121002.	2.4	6
30	Selfâ€Assembled Flexible and Integratable 3D Microtubular Asymmetric Supercapacitors. Advanced Science, 2019, 6, 1901051.	11.2	39
31	A Novel LDMOS with Quadruple RESURF Effect Breaking Silicon Limit. , 2019, , .		1
32	Three-Dimensional Varying Density Field Plate for Lateral Power Devices. IEEE Transactions on Electron Devices, 2019, 66, 1422-1429.	3.0	10
33	Anodized Aluminum Oxide-Assisted Low-Cost Flexible Capacitive Pressure Sensors Based on Double-Sided Nanopillars by a Facile Fabrication Method. ACS Applied Materials & Interfaces, 2019, 11, 48594-48603.	8.0	130
34	An Etching Method for Fabricating Anisotropic Silicon Nanostructures with Vertical and Smooth Sidewalls. Nanoscience and Nanotechnology Letters, 2019, 11, 500-505.	0.4	3
35	Dielectric metasurfaces based on a rectangular lattice of a-Si:H nanodisks for color pixels with high saturation and stability. Optics Express, 2019, 27, 35027.	3.4	13
36	Study of GaN/AlGaN photocathode with variable aluminum AlxGa1â^'xN material in emission layer. Optik, 2018, 158, 363-367.	2.9	2

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37	Hot-carrier-induced current capability degradation and optimization for lateral IGBT on thick SOI substrate. Solid-State Electronics, 2018, 145, 34-39.	1.4	1
38	An Improved Hot-Carrier Lifetime Evaluation Method for the n-Type LDMOS With Hot-Hole Injection. IEEE Transactions on Electron Devices, 2018, 65, 3567-3571.	3.0	4
39	High-Performance porous MIM-type capacitive humidity sensor realized via inductive coupled plasma and reactive-Ion etching. Sensors and Actuators B: Chemical, 2018, 258, 704-714.	7.8	59
40	Multicolor 3D meta-holography by broadband plasmonic modulation. Science Advances, 2016, 2, e1601102.	10.3	481
41	XPS Studies of the Graded Band Gap Al_xGa_{1-x}N Material Grown by MOCVD. Applied Mechanics and Materials, 0, 864, 25-29.	0.2	1