Naixiang Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

34	2,827	257450	361022
papers	citations	24 h-index	35 g-index

36	36	36	3567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PEDOT:PSS for Flexible and Stretchable Electronics: Modifications, Strategies, and Applications. Advanced Science, 2019, 6, 1900813.	11.2	563
2	Antioxidant Grain Passivation for Airâ€Stable Tinâ€Based Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 806-810.	13.8	369
3	Functionalized Organic Thin Film Transistors for Biosensing. Accounts of Chemical Research, 2019, 52, 277-287.	15.6	240
4	Highly Sensitive Detection of Protein Biomarkers with Organic Electrochemical Transistors. Advanced Materials, 2017, 29, 1703787.	21.0	152
5	Fabric Organic Electrochemical Transistors for Biosensors. Advanced Materials, 2018, 30, e1800051.	21.0	137
6	Highly Air-Stable Tin-Based Perovskite Solar Cells through Grain-Surface Protection by Gallic Acid. ACS Energy Letters, 2020, 5, 1741-1749.	17.4	126
7	Snâ€Based Perovskite for Highly Sensitive Photodetectors. Advanced Science, 2019, 6, 1900751.	11.2	118
8	Ultrafast, sensitive, and portable detection of COVID-19 IgG using flexible organic electrochemical transistors. Science Advances, 2021, 7, eabg8387.	10.3	111
9	Enhanced performance of tin-based perovskite solar cells induced by an ammonium hypophosphite additive. Journal of Materials Chemistry A, 2019, 7, 26580-26585.	10.3	98
10	Highâ€Performance Tinâ€“Lead Mixedâ€Perovskite Solar Cells with Vertical Compositional Gradient. Advanced Materials, 2022, 34, e2107729.	21.0	88
11	Highly Conductive Stretchable Allâ€Plastic Electrodes Using a Novel Dippingâ€Embedded Transfer Method for Highâ€Performance Wearable Sensors and Semitransparent Organic Solar Cells. Advanced Electronic Materials, 2017, 3, 1600471.	5.1	62
12	2D materials for conducting holes from grain boundaries in perovskite solar cells. Light: Science and Applications, 2021, 10, 68.	16.6	59
13	Highly sensitive, durable and stretchable plastic strain sensors using sandwich structures of PEDOT:PSS and an elastomer. Materials Chemistry Frontiers, 2018, 2, 355-361.	5.9	58
14	Organic Electrochemical Transistors for the Detection of Cell Surface Glycans. ACS Applied Materials & Interfaces, 2018, 10, 18470-18477.	8.0	58
15	Dynamically Reconfigurable Shortâ€Term Synapse with Millivolt Stimulus Resolution Based on Organic Electrochemical Transistors. Advanced Materials Technologies, 2019, 4, 1900471.	5.8	57
16	Gradient 2D/3D Perovskite Films Prepared by Hotâ€Casting for Sensitive Photodetectors. Advanced Science, 2020, 7, 2000776.	11.2	56
17	Organic electrochemical transistor arrays for real-time mapping of evoked neurotransmitter release in vivo. ELife, 2020, 9, .	6.0	50
18	AC Measurements Using Organic Electrochemical Transistors for Accurate Sensing. ACS Applied Materials & Interfaces, 2018, 10, 25834-25840.	8.0	46

#	Article	IF	Citations
19	A Transferâ€Printed, Stretchable, and Reliable Strain Sensor Using PEDOT:PSS/Ag NW Hybrid Films Embedded into Elastomers. Advanced Materials Technologies, 2018, 3, 1800030.	5.8	42
20	Synthesis of High-Crystallinity DPP Polymers with Balanced Electron and Hole Mobility. Chemistry of Materials, 2017, 29, 10220-10232.	6.7	40
21	Biomimicking Stretchable Organic Electrochemical Transistor. Advanced Electronic Materials, 2019, 5, 1900566.	5.1	35
22	Highly sensitive detection of caspase-3 activity based on peptide-modified organic electrochemical transistor biosensors. Nanoscale, 2021, 13, 2868-2874.	5.6	33
23	Metalâ€“organic framework transistors for dopamine sensing. Materials Chemistry Frontiers, 2021, 5, 3422-3427.	5.9	30
24	Lead-Free Perovskite/Organic Semiconductor Vertical Heterojunction for Highly Sensitive Photodetectors. ACS Applied Materials & Interfaces, 2020, 12, 18769-18776.	8.0	29
25	Ultrasensitive Detection of Ribonucleic Acid Biomarkers Using Portable Sensing Platforms Based on Organic Electrochemical Transistors. Analytical Chemistry, 2021, 93, 14359-14364.	6.5	23
26	The Influence of Fiber Cross-Section on Fabric Far-Infrared Properties. Polymers, 2018, 10, 1147.	4.5	22
27	Antioxidant Grain Passivation for Airâ€Stable Tinâ€Based Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 816-820.	2.0	22
28	Organic electrochemical transistor for sensing of sialic acid in serum samples. Analytica Chimica Acta, 2020, 1128, 231-237.	5.4	22
29	Ethylenedioxythiophene incorporated diketopyrrolopyrrole conjugated polymers for high-performance organic electrochemical transistors. Journal of Materials Chemistry C, 2021, 9, 4260-4266.	5.5	19
30	Insulating Polymers for Enhancing the Efficiency of Nonfullerene Organic Solar Cells. Solar Rrl, 2020, 4, 2000013.	5.8	17
31	Polymerâ€“inorganic hybrid microparticles with hierarchical structures formed by interfacial instabilities of emulsion droplets. Soft Matter, 2012, 8, 2697.	2.7	13
32	High-efficiency robust organic solar cells using transfer-printed PEDOT:PSS electrodes through interface bonding engineering. Materials Chemistry Frontiers, 2019, 3, 901-908.	5.9	12
33	The impact of molecular weight, air exposure and molecular doping on the charge transport properties and electronic defects in dithienyl-diketopyrrolopyrrole-thieno[3,2-b]thiophene copolymers. Journal of Materials Chemistry C, 2016, 4, 10827-10838.	5.5	11
34	Efficiency enhancement of organic photovoltaics by introducing high-mobility curved small-molecule semiconductors as additives. Journal of Materials Chemistry A, 2019, 7, 12740-12750.	10.3	8