Naixiang Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3053499/publications.pdf

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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	Highâ€Performance Tinâ€“Lead Mixedâ€Perovskite Solar Cells with Vertical Compositional Gradient. Advanced Materials, 2022, 34, e2107729.	21.0	88
2	Highly sensitive detection of caspase-3 activity based on peptide-modified organic electrochemical transistor biosensors. Nanoscale, 2021, 13, 2868-2874.	5.6	33
3	Ethylenedioxythiophene incorporated diketopyrrolopyrrole conjugated polymers for high-performance organic electrochemical transistors. Journal of Materials Chemistry C, 2021, 9, 4260-4266.	5.5	19
4	Metalâ€“organic framework transistors for dopamine sensing. Materials Chemistry Frontiers, 2021, 5, 3422-3427.	5.9	30
5	2D materials for conducting holes from grain boundaries in perovskite solar cells. Light: Science and Applications, 2021, 10, 68.	16.6	59
6	Ultrafast, sensitive, and portable detection of COVID-19 IgG using flexible organic electrochemical transistors. Science Advances, 2021, 7, eabg8387.	10.3	111
7	Ultrasensitive Detection of Ribonucleic Acid Biomarkers Using Portable Sensing Platforms Based on Organic Electrochemical Transistors. Analytical Chemistry, 2021, 93, 14359-14364.	6.5	23
8	Organic electrochemical transistor for sensing of sialic acid in serum samples. Analytica Chimica Acta, 2020, 1128, 231-237.	5.4	22
9	Gradient 2D/3D Perovskite Films Prepared by Hotâ€Casting for Sensitive Photodetectors. Advanced Science, 2020, 7, 2000776.	11.2	56
10	Insulating Polymers for Enhancing the Efficiency of Nonfullerene Organic Solar Cells. Solar Rrl, 2020, 4, 2000013.	5.8	17
11	Lead-Free Perovskite/Organic Semiconductor Vertical Heterojunction for Highly Sensitive Photodetectors. ACS Applied Materials & Interfaces, 2020, 12, 18769-18776.	8.0	29
12	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
13	Organic electrochemical transistor arrays for real-time mapping of evoked neurotransmitter release in vivo. ELife, 2020, 9, .	6.0	50
14	Biomimicking Stretchable Organic Electrochemical Transistor. Advanced Electronic Materials, 2019, 5, 1900566.	5.1	35
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	Snâ€Based Perovskite for Highly Sensitive Photodetectors. Advanced Science, 2019, 6, 1900751.	11.2	118
17	PEDOT:PSS for Flexible and Stretchable Electronics: Modifications, Strategies, and Applications. Advanced Science, 2019, 6, 1900813.	11.2	563
18	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

#	Article	IF	Citations
19	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
20	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
21	Functionalized Organic Thin Film Transistors for Biosensing. Accounts of Chemical Research, 2019, 52, 277-287.	15.6	240
22	Antioxidant Grain Passivation for Airâ€Stable Tinâ€Based Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 816-820.	2.0	22
23	Antioxidant Grain Passivation for Airâ€Stable Tinâ€Based Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 806-810.	13.8	369
24	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
25	Fabric Organic Electrochemical Transistors for Biosensors. Advanced Materials, 2018, 30, e1800051.	21.0	137
26	AC Measurements Using Organic Electrochemical Transistors for Accurate Sensing. ACS Applied Materials & Interfaces, 2018, 10, 25834-25840.	8.0	46
27	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
28	The Influence of Fiber Cross-Section on Fabric Far-Infrared Properties. Polymers, 2018, 10, 1147.	4.5	22
29	Organic Electrochemical Transistors for the Detection of Cell Surface Glycans. ACS Applied Materials & Interfaces, 2018, 10, 18470-18477.	8.0	58
30	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
31	Highly Sensitive Detection of Protein Biomarkers with Organic Electrochemical Transistors. Advanced Materials, 2017, 29, 1703787.	21.0	152
32	Synthesis of High-Crystallinity DPP Polymers with Balanced Electron and Hole Mobility. Chemistry of Materials, 2017, 29, 10220-10232.	6.7	40
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	Polymerâ€“inorganic hybrid microparticles with hierarchical structures formed by interfacial instabilities of emulsion droplets. Soft Matter, 2012, 8, 2697.	2.7	13