# Huihui Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10490740/publications.pdf

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| | | 172386 | 233338 |
|---|---|---|---|
| 48 | 2,723 | 29 | 45 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 49 | 49 | 49 | 2826 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sodium Incorporation for Enhanced Performance of Two-Dimensional Sn-Based Perovskite Transistors. ACS Applied Materials & Interfaces, 2022, 14, 9363-9367. | 4.0 | 14 |
| 2 | High-performance inorganic metal halide perovskite transistors. Nature Electronics, 2022, 5, 78-83. | 13.1 | 121 |
| 3 | Modulation of vacancy-ordered double perovskite Cs2SnI6 for air-stable thin-film transistors. Cell Reports Physical Science, 2022, 3, 100812. | 2.8 | 17 |
| 4 | High-performance hysteresis-free perovskite transistors through anion engineering. Nature Communications, 2022, 13, 1741. | 5.8 | 51 |
| 5 | Molecular Doping Enabling Mobility Boosting of 2D Sn<sup>2+</sup>â€Based Perovskites. Advanced Functional Materials, 2022, 32, . | 7.8 | 18 |
| 6 | Key Roles of Trace Oxygen Treatment for Highâ€Performance Znâ€Doped CuI pâ€Channel Transistors. Advanced Electronic Materials, 2021, 7, . | 2.6 | 17 |
| 7 | Effect of Monovalent Metal Iodide Additives on the Optoelectric Properties of Two-Dimensional Sn-Based Perovskite Films. Chemistry of Materials, 2021, 33, 2498-2505. | 3.2 | 28 |
| 8 | Engineering Copper Iodide (CuI) for Multifunctional pâ€Type Transparent Semiconductors and Conductors. Advanced Science, 2021, 8, 2100546. | 5.6 | 74 |
| 9 | 8â€4: Invited Paper: Transparent Zn Dopedâ€CuI for Highâ€Performance pâ€Channel Thin Film Transistors. Digest of Technical Papers SID International Symposium, 2021, 52, 89-91. | 0.1 | 0 |
| 10 | Recent progress on metal halide perovskite field-effect transistors. Journal of Information Display, 2021, 22, 257-268. | 2.1 | 16 |
| 11 | High-Performance Layered Perovskite Transistors and Phototransistors by Binary Solvent Engineering. Chemistry of Materials, 2021, 33, 1174-1181. | 3.2 | 29 |
| 12 | Printable Semiconductors for Backplane TFTs of Flexible OLED Displays. Advanced Functional Materials, 2020, 30, 1904588. | 7.8 | 136 |
| 13 | High-performance p-channel transistors with transparent Zn doped-CuI. Nature Communications, 2020, 11, 4309. | 5.8 | 94 |
| 14 | Molecule Charge Transfer Doping for pâ€Channel Solutionâ€Processed Copper Oxide Transistors. Advanced Functional Materials, 2020, 30, 2002625. | 7.8 | 26 |
| 15 | Impact of Humidity on the Performance and Stability of Solution-Processed Copper Oxide Transistors. IEEE Electron Device Letters, 2020, , 1-1. | 2.2 | 6 |
| 16 | Highâ€Performance and Reliable Leadâ€Free Layeredâ€Perovskite Transistors. Advanced Materials, 2020, 32, e2002717. | 11.1 | 86 |
| 17 | Pâ€17: Lowâ€Temperature, Solutionâ€Processed Inorganic pâ€Channel Cuâ€based Thinâ€Film Transistors and Circuits. Digest of Technical Papers SID International Symposium, 2020, 51, 1372-1374. | 0.1 | 0 |
| 18 | Polyol Reduction: A Low-Temperature Eco-Friendly Solution Process for p-Channel Copper Oxide-Based Transistors and Inverter Circuits. ACS Applied Materials & Interfaces, 2019, 11, 33157-33164. | 4.0 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Distribution and ecotoxicological effects of polyhalogenated carbazoles in sediments from Jiaozhou Bay wetland. Marine Pollution Bulletin, 2019, 146, 393-398. | 2.3 | 31 |
| 20 | 22.1: Invited Paper: Solution processable pâ€type metal halide semiconductors for high performance transparent pâ€channel thinâ€film transistors. Digest of Technical Papers SID International Symposium, 2019, 50, 215-215. | 0.1 | 0 |
| 21 | Sorption of 3,6-dibromocarbazole and 1,3,6,8-tetrabromocarbazole by microplastics. Marine Pollution Bulletin, 2019, 138, 458-463. | 2.3 | 53 |
| 22 | Sorption of Tonalide, Musk Xylene, Galaxolide, and Musk Ketone by microplastics of polyethylene and polyvinyl chloride. Marine Pollution Bulletin, 2019, 144, 129-133. | 2.3 | 27 |
| 23 | Perovskite and Conjugated Polymer Wrapped Semiconducting Carbon Nanotube Hybrid Films for High-Performance Transistors and Phototransistors. ACS Nano, 2019, 13, 3971-3981. | 7.3 | 151 |
| 24 | Transparent Inorganic Copper Bromide (CuBr) p-Channel Transistors Synthesized From Solution at Room Temperature. IEEE Electron Device Letters, 2019, 40, 769-772. | 2.2 | 22 |
| 25 | Solution-processed inorganic p-channel transistors: Recent advances and perspectives. Materials Science and Engineering Reports, 2019, 135, 85-100. | 14.8 | 74 |
| 26 | Draw Spinning of Waferâ€Scale Oxide Fibers for Electronic Devices. Advanced Electronic Materials, 2018, 4, 1700644. | 2.6 | 13 |
| 27 | Electrospun p-Type Nickel Oxide Semiconducting Nanowires for Low-Voltage Field-Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 25841-25849. | 4.0 | 47 |
| 28 | Roomâ€Temperature Solutionâ€Synthesized pâ€Type Copper(I) Iodide Semiconductors for Transparent Thinâ€Film Transistors and Complementary Electronics. Advanced Materials, 2018, 30, e1802379. | 11.1 | 125 |
| 29 | Solution Processed Metal Oxide Highâ€Îº Dielectrics for Emerging Transistors and Circuits. Advanced Materials, 2018, 30, e1706364. | 11.1 | 158 |
| 30 | Redox Chloride Elimination Reaction: Facile Solution Route for Indiumâ€Free, Lowâ€Voltage, and Highâ€Performance Transistors. Advanced Electronic Materials, 2017, 3, 1600513. | 2.6 | 66 |
| 31 | Direct transfer of graphene and application in low-voltage hybrid transistors. RSC Advances, 2017, 7, 2172-2179. | 1.7 | 16 |
| 32 | In situ one-step synthesis of p-type copper oxide for low-temperature, solution-processed thin-film transistors. Journal of Materials Chemistry C, 2017, 5, 2524-2530. | 2.7 | 70 |
| 33 | Wafer-scale fabrication of a Cu/graphene double-nanocap array for surface-enhanced Raman scattering substrates. Chemical Communications, 2017, 53, 3273-3276. | 2.2 | 14 |
| 34 | Electrospun p-type CuO nanofibers for low-voltage field-effect transistors. Applied Physics Letters, 2017, 111, . | 1.5 | 31 |
| 35 | Solution Combustion Synthesis: Lowâ€Temperature Processing for pâ€Type Cu:NiO Thin Films for Transparent Electronics. Advanced Materials, 2017, 29, 1701599. | 11.1 | 145 |
| 36 | Hole mobility modulation of solution-processed nickel oxide thin-film transistor based on high-k dielectric. Applied Physics Letters, 2016, 108, . | 1.5 | 122 |

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|---|---|---|---|
| 37 | Eco-friendly, solution-processed In-W-O thin films and their applications in low-voltage, high-performance transistors. Journal of Materials Chemistry C, 2016, 4, 4478-4484. | 2.7 | 45 |
| 38 | High-mobility p-type NiO<sub>x</sub> thin-film transistors processed at low temperatures with Al<sub>2</sub>O<sub>3</sub> high-k dielectric. Journal of Materials Chemistry C, 2016, 4, 9438-9444. | 2.7 | 82 |
| 39 | Solutionâ€Processed Alkaline Lithium Oxide Dielectrics for Applications in nâ€and pâ€Type Thinâ€Film Transistors. Advanced Electronic Materials, 2016, 2, 1600140. | 2.6 | 45 |
| 40 | Quantifying the Tunable Conjugated Area of Graphene Oxide by Using Pyrene as a Fluorescent Probe. Chemistry - A European Journal, 2016, 22, 18881-18886. | 1.7 | 6 |
| 41 | One-step synthesis of graphene quantum dots from defective CVD graphene and their application in IGZO UV thin film phototransistor. Carbon, 2016, 100, 201-207. | 5.4 | 47 |
| 42 | One-step preparation of graphene nanosheets via ball milling of graphite and the application in lithium-ion batteries. Journal of Materials Science, 2016, 51, 3675-3683. | 1.7 | 58 |
| 43 | Waterâ€Induced Scandium Oxide Dielectric for Lowâ€Operating Voltage nâ€and pâ€Type Metalâ€Oxide Thinâ€Film Transistors. Advanced Functional Materials, 2015, 25, 7180-7188. | 7.8 | 147 |
| 44 | Graphene nanodots encaged 3-D gold substrate as enzyme loading platform for the fabrication of high performance biosensors. Sensors and Actuators B: Chemical, 2015, 220, 1186-1195. | 4.0 | 27 |
| 45 | A water-induced high-k yttrium oxide dielectric for fully-solution-processed oxide thin-film transistors. Current Applied Physics, 2015, 15, S75-S81. | 1.1 | 47 |
| 46 | Lowâ€Temperature, Nontoxic Waterâ€Induced Metalâ€Oxide Thin Films and Their Application in Thinâ€Film Transistors. Advanced Functional Materials, 2015, 25, 2564-2572. | 7.8 | 161 |
| 47 | Eco-friendly water-induced aluminum oxide dielectrics and their application in a hybrid metal oxide/polymer TFT. RSC Advances, 2015, 5, 86606-86613. | 1.7 | 65 |
| 48 | Graphene nanodots-encaged porous gold electrode fabricated via ion beam sputtering deposition for electrochemical analysis of heavy metal ions. Sensors and Actuators B: Chemical, 2015, 206, 592-600. | 4.0 | 58 |