# Zong-Xiang Xu

List of Publications by Year
in descending order

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| 127 | 4,298 | 94433 | 133252 |
|---|---|---|---|
| papers | citations | 37 h-index | 59 g-index |

| 133 | 133 | 133 | 5765 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synergies of Electrochemical Metallization and Valance Change in Allâ€Inorganic Perovskite Quantum Dots for Resistive Switching. Advanced Materials, 2018, 30, e1800327. | 21.0 | 246 |
| 2 | Arrays of ZnO/Zn<sub>x</sub>Cd<sub>1â€“x</sub>Se Nanocables: Band Gap Engineering and Photovoltaic Applications. Nano Letters, 2011, 11, 4138-4143. | 9.1 | 185 |
| 3 | Construction of NiCo-Layered Double Hydroxide Microspheres from Ni-MOFs for High-Performance Asymmetric Supercapacitors. ACS Applied Energy Materials, 2020, 3, 6633-6643. | 5.1 | 167 |
| 4 | Fingertipâ€Skinâ€Inspired Highly Sensitive and Multifunctional Sensor with Hierarchically Structured Conductive Graphite/Polydimethylsiloxane Foams. Advanced Functional Materials, 2019, 29, 1808829. | 14.9 | 157 |
| 5 | Mimicking Neuroplasticity in a Hybrid Biopolymer Transistor by Dual Modes Modulation. Advanced Functional Materials, 2019, 29, 1902374. | 14.9 | 149 |
| 6 | Microcontact Printing of Ultrahigh Density Gold Nanoparticle Monolayer for Flexible Flash Memories. Advanced Materials, 2012, 24, 3556-3561. | 21.0 | 141 |
| 7 | A facile molecularly engineered copper (II) phthalocyanine as hole transport material for planar perovskite solar cells with enhanced performance and stability. Nano Energy, 2017, 31, 322-330. | 16.0 | 117 |
| 8 | Nanocomposite field effect transistors based on zinc oxide/polymer blends. Applied Physics Letters, 2007, 90, 223509. | 3.3 | 87 |
| 9 | Porous nickel oxide microsphere and Ti3C2Tx hybrid derived from metal-organic framework for battery-type supercapacitor electrode and non-enzymatic H2O2 sensor. Electrochimica Acta, 2019, 322, 134771. | 5.2 | 87 |
| 10 | A Highâ€Performance Organic Fieldâ€Effect Transistor Based on Platinum(II) Porphyrin: Peripheral Substituents on Porphyrin Ligand Significantly Affect Film Structure and Charge Mobility. Chemistry - an Asian Journal, 2008, 3, 1092-1103. | 3.3 | 86 |
| 11 | Dopantâ€Free Hole Transporting Materials for Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800200. | 5.8 | 86 |
| 12 | Highâ€Performance and Stable Perovskite Solar Cells Based on Dopantâ€Free Arylamineâ€Substituted Copper(II) Phthalocyanine Holeâ€Transporting Materials. Advanced Energy Materials, 2019, 9, 1901019. | 19.5 | 80 |
| 13 | Nanoparticle size dependent threshold voltage shifts in organic memory transistors. Journal of Materials Chemistry, 2011, 21, 14575. | 6.7 | 79 |
| 14 | Modified graphene oxide/Nafion composite humidity sensor and its linear response to the relative humidity. Sensors and Actuators B: Chemical, 2018, 257, 372-381. | 7.8 | 75 |
| 15 | Biological Spiking Synapse Constructed from Solution Processed Bimetal Coreâ€“Shell Nanoparticle Based Composites. Small, 2018, 14, e1800288. | 10.0 | 68 |
| 16 | Improving efficiency of organic photovoltaic cells with pentacene-doped CuPc layer. Applied Physics Letters, 2007, 91, . | 3.3 | 62 |
| 17 | Highly Phosphorescent Planar Chirality by Bridging Two Square-Planar Platinum(II) Complexes: Chirality Induction and Circularly Polarized Luminescence. Journal of the American Chemical Society, 2022, 144, 2233-2244. | 13.7 | 55 |
| 18 | Method for measurement of the density of thin films of small organic molecules. Review of Scientific Instruments, 2007, 78, 034104. | 1.3 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Low voltage flexible nonvolatile memory with gold nanoparticles embedded in poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T | 2.6 | 54 |
| 20 | Introduction of Graphene Oxide as Buffer Layer in Perovskite Solar Cells and the Promotion of Soluble n-Butyl-substituted Copper Phthalocyanine as Efficient Hole Transporting Material. Electrochimica Acta, 2017, 233, 36-43. | 5.2 | 52 |
| 21 | Dopant-free hole transport materials based on alkyl-substituted indacenodithiophene for planar perovskite solar cells. Journal of Materials Chemistry C, 2018, 6, 4706-4713. | 5.5 | 52 |
| 22 | Functionalized Arylacetylene Oligomers for Organic Thin-Film Transistors (OTFTs). Advanced Materials, 2005, 17, 1258-1261. | 21.0 | 51 |
| 23 | Ultrasound-Induced Organogel Formation Followed by Thin Film Fabrication via Simple Doctor Blading Technique for Field-Effect Transistor Applications. ACS Applied Materials & Interfaces, 2016, 8, 18991-18997. | 8.0 | 50 |
| 24 | Tetra methyl substituted Cu(II) phthalocyanine as alternative hole transporting material for organometal halide perovskite solar cells. Applied Surface Science, 2016, 360, 767-771. | 6.1 | 50 |
| 25 | Non-peripheral octamethyl-substituted copper (II) phthalocyanine nanorods with MXene sheets: An excellent electrode material for symmetric supercapacitor with enhanced electrochemical performance. Journal of Power Sources, 2020, 471, 228472. | 7.8 | 50 |
| 26 | Bulk heterojunction photovoltaic cells based on tetra-methyl substituted copper(ii) phthalocyanineâ€‰:â€‰P3HTâ€‰:â€‰PCBM composite. Chemical Communications, 2011, 47, 9654. | 4.1 | 49 |
| 27 | Efficient degradation of organic dye using Ni-MOF derived NiCo-LDH as peroxymonosulfate activator. Chemosphere, 2021, 271, 128509. | 8.2 | 49 |
| 28 | P3HT/Phthalocyanine Nanocomposites as Efficient Holeâ€Transporting Materials for Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800264. | 5.8 | 47 |
| 29 | Tetra-alkyl-substituted copper (II) phthalocyanines as dopant-free hole-transport layers for planar perovskite solar cells with enhanced open circuit voltage and stability. Dyes and Pigments, 2017, 139, 619-626. | 3.7 | 46 |
| 30 | Octamethyl-substituted Pd(<scp>ii</scp>) phthalocyanine with long carrier lifetime as a dopant-free hole selective material for performance enhancement of perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 24416-24424. | 10.3 | 45 |
| 31 | Organic Memristor Utilizing Copper Phthalocyanine Nanowires with Infrared Response and Cation Regulating Properties. Advanced Electronic Materials, 2019, 5, 1800793. | 5.1 | 44 |
| 32 | Dopantâ€Free Holeâ€Transport Materials Based on Methoxytriphenylamineâ€Substituted Indacenodithienothiophene for Solutionâ€Processed Perovskite Solar Cells. ChemSusChem, 2017, 10, 2833-2838. | 6.8 | 43 |
| 33 | Tetraâ€Propylâ€Substituted Copper (II) Phthalocyanine as Dopantâ€Free Hole Transporting Material for Planar Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800050. | 5.8 | 43 |
| 34 | Controlled Ambipolar Charge Transport Through a Selfâ€Assembled Gold Nanoparticle Monolayer. Advanced Materials, 2012, 24, 1247-1251. | 21.0 | 42 |
| 35 | Synthesis of N-CuMe2Pc nanorods/graphene oxide nanocomposite for symmetric supercapacitor electrode with excellent cyclic stability. Electrochimica Acta, 2019, 298, 770-777. | 5.2 | 41 |
| 36 | Soluble butyl substituted copper phthalocyanine as alternative hole-transporting material for solution processed perovskite solar cells. Electrochimica Acta, 2016, 212, 929-933. | 5.2 | 40 |

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|---|---|---|---|
| 37 | Improvement of the photovoltaic parameters of perovskite solar cells using a reduced-graphene-oxide-modified titania layer and soluble copper phthalocyanine as a hole transporter. Physical Chemistry Chemical Physics, 2018, 20, 2388-2395. | 2.8 | 40 |
| 38 | 2D siloxene sheets: A novel electrochemical sensor for selective dopamine detection. Applied Materials Today, 2020, 18, 100477. | 4.3 | 40 |
| 39 | Dual Defectâ€Passivation Using Phthalocyanine for Enhanced Efficiency and Stability of Perovskite Solar Cells. Small, 2021, 17, e2005216. | 10.0 | 40 |
| 40 | TiO<sub>2</sub> based sensor with butterfly wing configurations for fast acetone detection at room temperature. Journal of Materials Chemistry C, 2019, 7, 11118-11125. | 5.5 | 38 |
| 41 | Functional high-k nanocomposite dielectrics for flexible transistors and inverters with excellent mechanical properties. Journal of Materials Chemistry, 2012, 22, 14246. | 6.7 | 37 |
| 42 | The strain and thermal induced tunable charging phenomenon in low power flexible memory arrays with a gold nanoparticle monolayer. Nanoscale, 2013, 5, 1972. | 5.6 | 37 |
| 43 | A random copolymer approach to develop nonfullerene acceptors for all-polymer solar cells. Journal of Materials Chemistry C, 2016, 4, 2106-2110. | 5.5 | 35 |
| 44 | Enhanced lifetime of organic light-emitting diodes using soluble tetraalkyl-substituted copper phthalocyanines as anode buffer layers. Journal of Materials Chemistry C, 2016, 4, 7377-7382. | 5.5 | 33 |
| 45 | Highâ€Performance Organic Solar Cells Based on a Nonâ€Fullerene Acceptor with a Spiro Core. Chemistry - an Asian Journal, 2017, 12, 721-725. | 3.3 | 33 |
| 46 | Toward Real Setting Applications of Organic and Perovskite Solar Cells: A Comparative Review. Energy Technology, 2021, 9, 2000901. | 3.8 | 33 |
| 47 | Polymerâ€“nanoparticle hybrid dielectrics for flexible transistors and inverters. Journal of Materials Chemistry, 2012, 22, 4060. | 6.7 | 32 |
| 48 | Design of three-component randomly incorporated copolymers as non-fullerene acceptors for all-polymer solar cells. Polymer Chemistry, 2016, 7, 2230-2238. | 3.9 | 32 |
| 49 | Controllable threshold voltage shifts of polymer transistors and inverters by utilizing gold nanoparticles. Applied Physics Letters, 2012, 101, 033306. | 3.3 | 31 |
| 50 | Axially Chiral Bis-Cycloplatinated Binaphthalenes and Octahydro-Binaphthalenes for Efficient Circularly Polarized Phosphorescence in Solution-Processed Organic Light-Emitting Diodes. Inorganic Chemistry, 2021, 60, 13557-13566. | 4.0 | 30 |
| 51 | Synergy Effect of a Ï€â€Conjugated Ionic Compound: Dual Interfacial Energy Level Regulation and Passivation to Promote V<sub>oc</sub> and Stability of Planar Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 30 |
| 52 | Non-peripheral octamethyl-substituted cobalt phthalocyanine nanorods supported on N-doped reduced graphene oxide achieve efficient electrocatalytic CO2 reduction to CO. Chemical Engineering Journal, 2022, 430, 133050. | 12.7 | 29 |
| 53 | Catalytic synthesis of carbon nanotubes and carbon spheres using Kaolin supported catalyst. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 123, 102-106. | 3.5 | 28 |
| 54 | Controlled Selfâ€Assembly of Functional Metal Octaethylporphyrin 1â€‰D Nanowires by Solutionâ€Phase Precipitative Method. Chemistry - an Asian Journal, 2008, 3, 1968-1978. | 3.3 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Deep-red to near-infrared electrophosphorescence based on bis(8-hydroxyquinolato) platinum(II) complexes. Applied Physics Letters, 2008, 92, 163305. | 3.3 | 28 |
| 56 | Bis(5,7â€dimethylâ€8â€hydroxyquinolinato)platinum(II) Complex for Efficient Organic Heterojunction Solar Cells. Chemistry - an Asian Journal, 2011, 6, 3223-3229. | 3.3 | 28 |
| 57 | Siloxene: An advanced metal-free catalyst for efficient photocatalytic reduction of aqueous Cr(VI) under visible light. Chemical Engineering Journal, 2021, 421, 129728. | 12.7 | 28 |
| 58 | Reformation of thiophene-functionalized phthalocyanine isomers for defect passivation to achieve stable and efficient perovskite solar cells. Journal of Energy Chemistry, 2022, 67, 263-275. | 12.9 | 28 |
| 59 | Organic field-effect transistors fabricated with N,Nâ€²-substituted dialkyl-1,3,8,10-tetramethylquinacridone compounds. Applied Physics Letters, 2009, 95, 123305. | 3.3 | 25 |
| 60 | Importance of molecular alignment for organic photovoltaic devices. Applied Physics Letters, 2010, 97, 163301. | 3.3 | 24 |
| 61 | Poly(3-hexylthiophene) Nanotubes with Tunable Aspect Ratios and Charge Transport Properties. ACS Applied Materials & Interfaces, 2014, 6, 11874-11881. | 8.0 | 22 |
| 62 | Molecular Design Strategy in Developing Titanyl Phthalocyanines as Dopant-Free Hole-Transporting Materials for Perovskite Solar Cells: Peripheral or Nonperipheral Substituents?. ACS Applied Materials & Interfaces, 2019, 11, 36535-36543. | 8.0 | 22 |
| 63 | A UV damage-sensing nociceptive device for bionic applications. Nanoscale, 2020, 12, 1484-1494. | 5.6 | 22 |
| 64 | Fabrication of copper phthalocyanine/reduced graphene oxide nanocomposites for efficient photocatalytic reduction of hexavalent chromium. Chemosphere, 2021, 263, 128250. | 8.2 | 22 |
| 65 | Low temperature processed bilayer dielectrics for low-voltage flexible saturated load inverters. Applied Physics Letters, 2011, 98, . | 3.3 | 21 |
| 66 | The beneficial effects of mixing spiro-OMeTAD with n-butyl-substituted copper phthalocyanine for perovskite solar cells. Electrochimica Acta, 2016, 222, 1417-1423. | 5.2 | 21 |
| 67 | Facile synthesis of a dopant-free hole transporting material with a phenothiazine core for planar perovskite solar cells. RSC Advances, 2017, 7, 53604-53610. | 3.6 | 21 |
| 68 | Molecularly Designed Zinc (II) Phthalocyanine Derivative as Dopantâ€Free Holeâ€Transporting Material of Planar Perovskite Solar Cell with Preferential Faceâ€on Orientation. Solar Rrl, 2019, 3, 1900182. | 5.8 | 21 |
| 69 | Effect of fluorination on n-type conjugated polymers for all-polymer solar cells. RSC Advances, 2017, 7, 17076-17084. | 3.6 | 20 |
| 70 | Three dimensional multi-arm acceptors based on diketopyrrolopyrrole with (hetero)aromatic cores for non-fullerene organic solar cells without additional treatment. Dyes and Pigments, 2017, 139, 412-419. | 3.7 | 19 |
| 71 | A study of different central metals in octamethyl-substituted phthalocyanines as dopant-free hole-transport layers for planar perovskite solar cells. Organic Electronics, 2018, 56, 276-283. | 2.6 | 19 |
| 72 | Carbon-chain length substituent effects on Cu(II) phthalocyanines as dopant-free hole-transport materials for perovskite solar cells. Solar Energy, 2019, 184, 649-656. | 6.1 | 19 |

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|---|---|---|---|
| 73 | Naphthalene tetracarboxylic diimide (NDI)-based polymer solar cells processed by non-halogenated solvents. Organic Electronics, 2017, 46, 203-210. | 2.6 | 18 |
| 74 | Green solvent processed tetramethyl-substituted aluminum phthalocyanine thin films as anode buffer layers in organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 11471-11478. | 5.5 | 18 |
| 75 | Room-Temperature Phosphorescence of Pure Axially Chiral Bicarbazoles. Journal of Physical Chemistry Letters, 2022, 13, 5838-5844. | 4.6 | 18 |
| 76 | Tetra-methyl substituted copper (II) phthalocyanine as a hole injection enhancer in organic light-emitting diodes. AIP Advances, 2015, 5, 107205. | 1.3 | 17 |
| 77 | Polypyridyl chromium(<scp>iii</scp>) complexes for non-volatile memory application: impact of the coordination sphere on memory device performance. Journal of Materials Chemistry C, 2018, 6, 1445-1450. | 5.5 | 17 |
| 78 | P3HT with Zn(C<sub>6</sub>F<sub>5</sub>)<sub>2</sub>as pâ€Type Dopant for the Enhanced Performance of Planar Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900340. | 5.8 | 16 |
| 79 | Tetrapropyl-substituted palladium phthalocyanine used as an efficient hole transport material in perovskite solar cells. Organic Electronics, 2021, 88, 106018. | 2.6 | 16 |
| 80 | Structureâ€“charge transport relationship of 5,15-dialkylated porphyrins. Chemical Communications, 2012, 48, 5139. | 4.1 | 14 |
| 81 | Self-aligned, full solution process polymer field-effect transistor on flexible substrates. Scientific Reports, 2015, 5, 15770. | 3.3 | 14 |
| 82 | Enhanced self-assembled monolayer treatment on polymeric gate dielectrics with ultraviolet/ozone assistance in organic thin film transistors. RSC Advances, 2015, 5, 64471-64477. | 3.6 | 14 |
| 83 | Broadband second harmonic generation from ZnO nano-tetrapods. Chemical Physics Letters, 2011, 506, 226-229. | 2.6 | 13 |
| 84 | Solution-processed near-infrared phototransistor based on ultrathin nanocrystals of octamethyl substituted zinc(II) phthalocyanine. Organic Electronics, 2018, 58, 197-201. | 2.6 | 13 |
| 85 | Perovskite Solar Cells: High-Performance and Stable Perovskite Solar Cells Based on Dopant-Free Arylamine-Substituted Copper(II) Phthalocyanine Hole-Transporting Materials (Adv. Energy Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock | 13 | |
| 86 | Highly Efficient Large-Area Flexible Perovskite Solar Cells Containing Tin Oxide Vertical Nanopillars without Oxygen Vacancies. ACS Applied Energy Materials, 2022, 5, 3568-3577. | 5.1 | 13 |
| 87 | Interface Engineering via Photopolymerization-Induced Phase Separation for Flexible UV-Responsive Phototransistors. ACS Applied Materials & Interfaces, 2018, 10, 7487-7496. | 8.0 | 12 |
| 88 | Ultrasonicâ€Assisted Wet Chemistry Synthesis of Ultrafine SnO<sub>2</sub> Nanoparticles for the Electronâ€Transport Layer in Perovskite Solar Cells. ChemSusChem, 2018, 11, 3000-3006. | 6.8 | 12 |
| 89 | Dopantâ€Free Holeâ€Transporting Layer Based on Isomerâ€Pure Tetraâ€Butylâ€Substituted Zinc(II) Phthalocyanine for Planar Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900119. | 5.8 | 12 |
| 90 | Ferroelectric coupling for dual-mode non-filamentary memristors. Applied Physics Reviews, 2022, 9, . | 11.3 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Field-effect transistor fabricated with nickel(II) etioporphyrin-I micrometer-sized crystals. Applied Physics Letters, 2008, 93, 223305. | 3.3 | 11 |
| 92 | Star-configured carbazole as an efficient near-ultraviolet emitter and hole-transporting material for organic light-emitting devices. Applied Physics Letters, 2008, 92, . | 3.3 | 11 |
| 93 | Improving the performance of polymer solar cells by adjusting the crystallinity and nanoscale phase separation. Chinese Physics B, 2012, 21, 078401. | 1.4 | 11 |
| 94 | Impact of Fluorine Atoms on Perylene Diimide Derivative for Fullereneâ€Free Organic Photovoltaics. Chemistry - an Asian Journal, 2017, 12, 2052-2056. | 3.3 | 11 |
| 95 | Fabrication of octamethyl substituted zinc(II) phthalocyanine nanostructure via exfoliation and use for solution-processed field-effect transistor. Organic Electronics, 2018, 55, 15-20. | 2.6 | 10 |
| 96 | Poly(3â€hexylthiophene)/Gold Nanorod Composites as Efficient Holeâ€Transporting Materials for Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000109. | 5.8 | 10 |
| 97 | Boosting the Capacitive Performance of Cobalt(<scp>II</scp>) Phthalocyanine by Nonâ€peripheral Octamethyl Substitution for Supercapacitors<sup>â€</sup>. Chinese Journal of Chemistry, 2021, 39, 1265-1272. | 4.9 | 10 |
| 98 | Soluble hexamethyl-substituted subphthalocyanine as a dopant-free hole transport material for planar perovskite solar cells. Royal Society Open Science, 2018, 5, 180617. | 2.4 | 9 |
| 99 | Hole transport layers based on metal Schiff base complexes in perovskite solar cells. Synthetic Metals, 2020, 259, 116248. | 3.9 | 9 |
| 100 | Metalâ€“Insulatorâ€“Metal Transistors. Advanced Materials, 2008, 20, 2120-2124. | 21.0 | 8 |
| 101 | Diketopyrrolopyrrole-based acceptors with multi-arms for organic solar cells. RSC Advances, 2018, 8, 25031-25039. | 3.6 | 8 |
| 102 | Graphene oxide/N-CuMe2Pc nanorod hybrid nanocomposite as efficient visible light photocatalyst for aqueous Cr(VI) reduction. Catalysis Today, 2019, 335, 180-186. | 4.4 | 8 |
| 103 | Syntheses and photophysical properties of axially chiral thiazolothiazoles: Multi-stimuli-responsive fluorescence and circularly polarized luminescence. Dyes and Pigments, 2022, 197, 109906. | 3.7 | 8 |
| 104 | In situ synthesis of Nâ€“CoMe2Pc/rGO nanocomposite with enhanced photocatalytic activity and stability in Cr(VI) reduction. Journal of Chemical Physics, 2020, 152, 154702. | 3.0 | 7 |
| 105 | Organic photovoltaic cells with copper (II) tetra-methyl substituted phthalocyanine. Chinese Physics B, 2013, 22, 128505. | 1.4 | 6 |
| 106 | Mobility Enhancement of P3HTâ€Based OTFTs upon Blending with Au Nanorods. Particle and Particle Systems Characterization, 2015, 32, 1051-1057. | 2.3 | 6 |
| 107 | Organometal halide perovskite as hole injection enhancer in organic light-emitting diode. Organic Electronics, 2017, 51, 257-263. | 2.6 | 6 |
| 108 | Asymmetric aggregation-induced emission materials with double stable configurations toward promoted performance in non-doped organic light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 16858-16869. | 5.5 | 6 |

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|---|---|---|---|
| 109 | Tetra-Propyl-Substituted Copper (II) Phthalocyanine as Dopant-Free Hole Transporting Material for Planar Perovskite Solar Cells (Solar RRL 7â•2018). Solar Rrl, 2018, 2, 1870186. | 5.8 | 4 |
| 110 | Structural and chromotropism properties of copper(II) complexes with 3,3â€²-((pyridin-2-ylmethyl)azanediyl)dipropanamide ligand. Transition Metal Chemistry, 2019, 44, 671-680. | 1.4 | 4 |
| 111 | Poly(3â€hexylthiophene)/Gold Nanorod Composites as Efficient Holeâ€Transporting Materials for Perovskite Solar Cells. Solar Rrl, 2020, 4, 2070066. | 5.8 | 4 |
| 112 | Synergy Effect of a Ï€â€Conjugated Ionic Compound: Dual Interfacial Energy Level Regulation and Passivation to Promote V oc and Stability of Planar Perovskite Solar Cells. Angewandte Chemie, 0, , . | 2.0 | 4 |
| 113 | Charge transport in monolayer poly(3-hexylthiophene) thin-film transistors. Chinese Physics B, 2014, 23, 048501. | 1.4 | 3 |
| 114 | Memory Devices: Synergies of Electrochemical Metallization and Valance Change in Allâ€Inorganic Perovskite Quantum Dots for Resistive Switching (Adv. Mater. 28/2018). Advanced Materials, 2018, 30, 1870207. | 21.0 | 3 |
| 115 | Non-peripherally octaalkyl-substituted nickel phthalocyanines used as non-dopant hole transport materials in perovskite solar cells*. Chinese Physics B, 2021, 30, 108801. | 1.4 | 3 |
| 116 | Importance of alkyl chain-length on the self-assembly of new Ni(qdt)2 complexes and charge transport properties. RSC Advances, 2013, 3, 12075. | 3.6 | 2 |
| 117 | Synthesis and characterization of a new series of nickel dithiolate compounds containing both acridinium cations and halogen anions. Inorganica Chimica Acta, 2014, 410, 88-93. | 2.4 | 2 |
| 118 | Self-assembled nanostructures of linear arylacetylenes and their aza-substituted analogues. AIP Advances, 2016, 6, 065210. | 1.3 | 2 |
| 119 | All-polymer solar cells performance enhanced via side-chain engineering of the polymer acceptor. Journal of Materials Science: Materials in Electronics, 2017, 28, 5407-5414. | 2.2 | 1 |
| 120 | Molecularly Designed Zinc (II) Phthalocyanine Derivative as Dopantâ€Free Holeâ€Transporting Material of Planar Perovskite Solar Cell with Preferential Faceâ€on Orientation. Solar Rrl, 2019, 3, 1970113. | 5.8 | 1 |
| 121 | Resistive Switching: Organic Memristor Utilizing Copper Phthalocyanine Nanowires with Infrared Response and Cation Regulating Properties (Adv. Electron. Mater. 4/2019). Advanced Electronic Materials, 2019, 5, 1970021. | 5.1 | 1 |
| 122 | Construction of MoS2 intercalated Siloxene heterostructure for all-solid-state symmetric supercapacitors. Applied Materials Today, 2022, 29, 101578. | 4.3 | 1 |
| 123 | Nanocomposite Field Effect Transistors based on Zinc oxide/polymer blends. , 2007, , . | | 0 |
| 124 | Microcontact Printing: Microcontact Printing of Ultrahigh Density Gold Nanoparticle Monolayer for Flexible Flash Memories (Adv. Mater. 26/2012). Advanced Materials, 2012, 24, 3555-3555. | 21.0 | 0 |
| 125 | Photonic Synapse: Mimicking Neuroplasticity in a Hybrid Biopolymer Transistor by Dual Modes Modulation (Adv. Funct. Mater. 31/2019). Advanced Functional Materials, 2019, 29, 1970212. | 14.9 | 0 |
| 126 | Novel Two-Dimensional Siloxene Material for Electrochemical Energy Storage and Sensor Applications. , 0, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | RÃ¼cktitelbild: Synergy Effect of a Ï€â€Conjugated Ionic Compound: Dual Interfacial Energy Level Regulation and Passivation to Promote V<sub>oc</sub> and Stability of Planar Perovskite Solar Cells (Angew. Chem. 11/2022). Angewandte Chemie, 2022, 134, . | 2.0 | 0 |