

# Linwei Yu

## List of Publications by Year in descending order

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122  
papers

3,584  
citations

94269

37  
h-index

161609

54  
g-index

124  
all docs

124  
docs citations

124  
times ranked

3832  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Dual-Phase CsPbBr <sub>3</sub> ∕CsPb <sub>2</sub> Br <sub>5</sub> Perovskite Thin Films via Vapor Deposition for High-Performance Rigid and Flexible Photodetectors. <i>Small</i> , 2018, 14, 1702523.                                       | 5.2  | 139       |
| 2  | Ultrafast Solar-Blind Ultraviolet Detection by Inorganic Perovskite CsPbX <sub>3</sub> Quantum Dots Radial Junction Architecture. <i>Advanced Materials</i> , 2017, 29, 1700400.   | 11.1 | 129       |
| 3  | Plasma-enhanced low temperature growth of silicon nanowires and hierarchical structures by using tin and indium catalysts. <i>Nanotechnology</i> , 2009, 20, 225604.   | 1.3  | 110       |
| 4  | Highly Connected Silicon-Copper Alloy Mixture Nanotubes as High-Rate and Durable Anode Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 524-531.  | 7.8  | 110       |
| 5  | High efficiency and stable hydrogenated amorphous silicon radial junction solar cells built on VLS-grown silicon nanowires. <i>Solar Energy Materials and Solar Cells</i> , 2013, 118, 90-95.  | 3.0  | 107       |
| 6  | Incorporation and redistribution of impurities into silicon nanowires during metal-particle-assisted growth. <i>Nature Communications</i> , 2014, 5, 4134.   | 5.8  | 91        |
| 7  | Room-temperature valleytronic transistor. <i>Nature Nanotechnology</i> , 2020, 15, 743-749.  | 15.6 | 87        |
| 8  | Enhancing Hybrid Perovskite Detectability in the Deep Ultraviolet Region with Down-Conversion Dual-Phase (CsPbBr <sub>3</sub> ∕Cs <sub>4</sub> PbBr <sub>6</sub> ) Films. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1592-1599. | 2.1  | 82        |
| 9  | In situ generation of indium catalysts to grow crystalline silicon nanowires at low temperature on ITO. <i>Journal of Materials Chemistry</i> , 2008, 18, 5187.  | 6.7  | 81        |
| 10 | Bismuth-Catalyzed and Doped Silicon Nanowires for One-Pump-Down Fabrication of Radial Junction Solar Cells. <i>Nano Letters</i> , 2012, 12, 4153-4158.   | 4.5  | 76        |
| 11 | A review on plasma-assisted VLS synthesis of silicon nanowires and radial junction solar cells. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 393001.  | 1.3  | 73        |
| 12 | Mixed cation perovskite solar cells by stack-sequence chemical vapor deposition with self-passivation and gradient absorption layer. <i>Nano Energy</i> , 2018, 48, 536-542.   | 8.2  | 70        |
| 13 | Mo-O bond doping and related-defect assisted enhancement of photoluminescence in monolayer MoS <sub>2</sub> . <i>AIP Advances</i> , 2014, 4, 123004.   | 0.6  | 69        |
| 14 | An In-Plane Solid-Liquid-Solid Growth Mode for Self-Avoiding Lateral Silicon Nanowires. <i>Physical Review Letters</i> , 2009, 102, 125501.  | 2.9  | 68        |
| 15 | Gallium assisted plasma enhanced chemical vapor deposition of silicon nanowires. <i>Nanotechnology</i> , 2009, 20, 155602.   | 1.3  | 68        |
| 16 | High Efficient Hole Extraction and Stable All-Bromide Inorganic Perovskite Solar Cells via Derivative-Phase Gradient Bandgap Architecture. <i>Solar Rrl</i> , 2019, 3, 1900030.  | 3.1  | 67        |
| 17 | Rapid, stable and self-powered perovskite detectors via a fast chemical vapor deposition process. <i>RSC Advances</i> , 2017, 7, 18224-18230.  | 1.7  | 57        |
| 18 | Growth mechanism and dynamics of in-plane solid-liquid-solid silicon nanowires. <i>Physical Review B</i> , 2010, 81, .   | 1.1  | 54        |

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|----|--|------|-----------|
| 19 | Hierarchical nano-branched c-Si/SnO <sub>2</sub> nanowires for high areal capacity and stable lithium-ion battery. <i>Nano Energy</i> , 2016, 19, 511-521.   | 8.2  | 52        |
| 20 | Synthesis, morphology and compositional evolution of silicon nanowires directly grown on SnO <sub>2</sub> substrates. <i>Nanotechnology</i> , 2008, 19, 485605.  | 1.3  | 50        |
| 21 | Growth study of indium-catalyzed silicon nanowires by plasma enhanced chemical vapor deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 287-296.                                  | 1.1  | 49        |
| 22 | Engineering island-chain silicon nanowires via a droplet mediated Plateau-Rayleigh transformation. <i>Nature Communications</i> , 2016, 7, 12836.  | 5.8  | 49        |
| 23 | Cadmium-doped flexible perovskite solar cells with a low-cost and low-temperature-processed CdS electron transport layer. <i>RSC Advances</i> , 2017, 7, 19457-19463.  | 1.7  | 48        |
| 24 | Omnidirectional and effective salt-rejecting absorber with rationally designed nanoarchitecture for efficient and durable solar vapour generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22976-22986. | 5.2  | 48        |
| 25 | Silicon nanowire solar cells grown by PECVD. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 2299-2302.  | 1.5  | 47        |
| 26 | Wetting Layer: The Key Player in Plasma-Assisted Silicon Nanowire Growth Mediated by Tin. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17786-17790.   | 1.5  | 44        |
| 27 | Understanding Light Harvesting in Radial Junction Amorphous Silicon Thin Film Solar Cells. <i>Scientific Reports</i> , 2015, 4, 4357.  | 1.6  | 44        |
| 28 | A bottom-up synthetic hierarchical buffer structure of copper silicon nanowire hybrids as ultra-stable and high-rate lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7877-7886.     | 5.2  | 44        |
| 29 | Initial nucleation and growth of in-plane solid-liquid-solid silicon nanowires catalyzed by indium. <i>Physical Review B</i> , 2009, 80, .   | 1.1  | 43        |
| 30 | All-in-situ fabrication and characterization of silicon nanowires on TCO/glass substrates for photovoltaic application. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1855-1859.                       | 3.0  | 43        |
| 31 | Fast-Response and Low-Hysteresis Flexible Pressure Sensor Based on Silicon Nanowires. <i>IEEE Electron Device Letters</i> , 2018, 39, 1069-1072.   | 2.2  | 43        |
| 32 | Radial junction amorphous silicon solar cells on PECVD-grown silicon nanowires. <i>Nanotechnology</i> , 2012, 23, 194011.  | 1.3  | 42        |
| 33 | Planar Growth, Integration, and Applications of Semiconducting Nanowires. <i>Advanced Materials</i> , 2020, 32, e1903945.  | 11.1 | 42        |
| 34 | Highly Sensitive Ammonia Gas Detection at Room Temperature by Integratable Silicon Nanowire Field-Effect Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 14377-14384.                           | 4.0  | 42        |
| 35 | Deterministic Line-Shape Programming of Silicon Nanowires for Extremely Stretchable Springs and Electronics. <i>Nano Letters</i> , 2017, 17, 7638-7646.  | 4.5  | 41        |
| 36 | Core-shell structure and unique faceting of Sn-catalyzed silicon nanowires. <i>Applied Physics Letters</i> , 2010, 97, 023107.   | 1.5  | 39        |

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|----|--|-----|-----------|
| 37 | All-Inorganic Perovskite Quantum Dots/p-Si Heterojunction Light-Emitting Diodes under DC and AC Driving Modes. <i>Advanced Optical Materials</i> , 2018, 6, 1700897.   | 3.6 | 39        |
| 38 | Growth-in-place deployment of in-plane silicon nanowires. <i>Applied Physics Letters</i> , 2011, 99, .   | 1.5 | 38        |
| 39 | Guided growth of in-plane silicon nanowires. <i>Applied Physics Letters</i> , 2009, 95, .  | 1.5 | 37        |
| 40 | Sn-catalyzed silicon nanowire solar cells with 4.9% efficiency grown on glass. <i>Progress in Photovoltaics: Research and Applications</i> , 2013, 21, 77-81.  | 4.4 | 37        |
| 41 | New Approaches to Improve the Performance of Thin-Film Radial Junction Solar Cells Built Over Silicon Nanowire Arrays. <i>IEEE Journal of Photovoltaics</i> , 2015, 5, 40-45.  | 1.5 | 35        |
| 42 | In-Plane Self-Turning and Twin Dynamics Renders Large Stretchability to Mono-Like Zigzag Silicon Nanowire Springs. <i>Advanced Functional Materials</i> , 2016, 26, 5352-5359.                                       | 7.8 | 34        |
| 43 | Natural occurrence of the diamond hexagonal structure in silicon nanowires grown by a plasma-assisted vapour-liquid-solid method. <i>Nanoscale</i> , 2017, 9, 8113-8118.   | 2.8 | 34        |
| 44 | Theoretical short-circuit current density for different geometries and organizations of silicon nanowires in solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 645-651.                        | 3.0 | 33        |
| 45 | Highly cross-linked Cu/a-Si core-shell nanowires for ultra-long cycle life and high rate lithium batteries. <i>Nanoscale</i> , 2016, 8, 2613-2619.   | 2.8 | 33        |
| 46 | High performance transparent in-plane silicon nanowire Fin-TFTs via a robust nano-droplet-scanning crystallization dynamics. <i>Nanoscale</i> , 2017, 9, 10350-10357.  | 2.8 | 33        |
| 47 | The Effect of Decomposed PbI <sub>2</sub> on Microscopic Mechanisms of Scattering in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Films. <i>Nanoscale Research Letters</i> , 2019, 14, 208.                      | 3.1 | 33        |
| 48 | Rational Energy Band Alignment and Au Nanoparticles in Surface Plasmon Enhanced Si-Based Perovskite Quantum Dot Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800693.                         | 3.6 | 32        |
| 49 | Monolithic Integration of Silicon Nanowire Networks as a Soft Wafer for Highly Stretchable and Transparent Electronics. <i>Nano Letters</i> , 2019, 19, 6235-6243.   | 4.5 | 32        |
| 50 | Stability and evolution of low-surface-tension metal catalyzed growth of silicon nanowires. <i>Applied Physics Letters</i> , 2011, 98, .   | 1.5 | 31        |
| 51 | In-Plane Epitaxial Growth of Silicon Nanowires and Junction Formation on Si(100) Substrates. <i>Nano Letters</i> , 2014, 14, 6469-6474.  | 4.5 | 31        |
| 52 | Surface-activation modified perovskite crystallization for improving photovoltaic performance. <i>Materials Today Energy</i> , 2017, 5, 173-180.   | 2.5 | 31        |
| 53 | Plasmon Excited Ultrahot Carriers and Negative Differential Photoresponse in a Vertical Graphene van der Waals Heterostructure. <i>Nano Letters</i> , 2019, 19, 3295-3304.   | 4.5 | 28        |
| 54 | Firmly standing three-dimensional radial junctions on soft aluminum foils enable extremely low cost flexible thin film solar cells with very high power-to-weight performance. <i>Nano Energy</i> , 2018, 53, 83-90. | 8.2 | 25        |

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|----|--|-----|-----------|
| 55 | Assessing individual radial junction solar cells over millions on VLS-grown silicon nanowires. <i>Nanotechnology</i> , 2013, 24, 275401.   | 1.3 | 23        |
| 56 | Operating principles of in-plane silicon nanowires at simple step-edges. <i>Nanoscale</i> , 2015, 7, 5197-5202.  | 2.8 | 22        |
| 57 | Full potential of radial junction Si thin film solar cells with advanced junction materials and design. <i>Applied Physics Letters</i> , 2015, 107, .  | 1.5 | 20        |
| 58 | Highly stretchable graphene nanoribbon springs by programmable nanowire lithography. <i>Npj 2D Materials and Applications</i> , 2019, 3, .   | 3.9 | 20        |
| 59 | High-temperature stable plasmonic and cavity resonances in metal nanoparticle-decorated silicon nanopillars for strong broadband absorption in photothermal applications. <i>Nanoscale</i> , 2019, 11, 14777-14784.    | 2.8 | 19        |
| 60 | Bi-Sn alloy catalyst for simultaneous morphology and doping control of silicon nanowires in radial junction solar cells. <i>Applied Physics Letters</i> , 2015, 107, .   | 1.5 | 18        |
| 61 | Heteroepitaxial Writing of Silicon-on-Sapphire Nanowires. <i>Nano Letters</i> , 2016, 16, 7317-7324.   | 4.5 | 18        |
| 62 | Photoelectric Cardiac Pacing by Flexible and Degradable Amorphous Si Radial Junction Stimulators. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901342.  | 3.9 | 18        |
| 63 | Highly flexible radial tandem junction thin film solar cells with excellent power-to-weight ratio. <i>Nano Energy</i> , 2021, 86, 106121.  | 8.2 | 18        |
| 64 | Improved Efficiency of Silicon Nanoholes/Gold Nanoparticles/Organic Hybrid Solar Cells via Localized Surface Plasmon Resonance. <i>Nanoscale Research Letters</i> , 2016, 11, 160.                                     | 3.1 | 17        |
| 65 | Enhanced up-conversion luminescence from NaYF <sub>4</sub> :Yb,Er nanocrystals by Gd <sup>3+</sup> ions induced phase transformation and plasmonic Au nanosphere arrays. <i>RSC Advances</i> , 2016, 6, 102869-102874. | 1.7 | 17        |
| 66 | Low Power Consumption Red Light-Emitting Diodes Based on Inorganic Perovskite Quantum Dots under an Alternating Current Driving Mode. <i>Nanomaterials</i> , 2018, 8, 974.   | 1.9 | 17        |
| 67 | 3D Sidewall Integration of Ultrahigh-Density Silicon Nanowires for Stacked Channel Electronics. <i>Advanced Electronic Materials</i> , 2019, 5, 1800627.   | 2.6 | 17        |
| 68 | High Performance Si Nanowire TFTs With Ultrahigh on/off Current Ratio and Steep Subthreshold Swing. <i>IEEE Electron Device Letters</i> , 2020, 41, 46-49.   | 2.2 | 17        |
| 69 | Unprecedented Uniform 3D Growth Integration of 10-Layer Stacked Si Nanowires on Tightly Confined Sidewall Grooves. <i>Nano Letters</i> , 2020, 20, 7489-7497.  | 4.5 | 17        |
| 70 | Flexible and Robust 3D SiGe Radial Junction Near-Infrared Photodetectors for Rapid Sphygmoc Signal Monitoring. <i>Advanced Functional Materials</i> , 2022, 32, 2107040.   | 7.8 | 17        |
| 71 | Highly Stretchable High-Performance Silicon Nanowire Field Effect Transistors Integrated on Elastomer Substrates. <i>Advanced Science</i> , 2022, 9, e2105623.   | 5.6 | 17        |
| 72 | Engineering in-plane silicon nanowire springs for highly stretchable electronics. <i>Journal of Semiconductors</i> , 2018, 39, 011001.   | 2.0 | 16        |

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|----|---|-----|-----------|
| 73 | Nanodroplet Hydrodynamic Transformation of Uniform Amorphous Bilayer into Highly Modulated Ge/Si Island-Chains. Nano Letters, 2018, 18, 6931-6940.  | 4.5 | 16        |
| 74 | Cylindrical Line-Feeding Growth of Free-Standing Silicon Nanohelices as Elastic Springs and Resonators. Nano Letters, 2020, 20, 5072-5080.  | 4.5 | 16        |
| 75 | How tilting and cavity-mode-resonant absorption contribute to light harvesting in 3D radial junction solar cells. Optics Express, 2015, 23, A1288.  | 1.7 | 15        |
| 76 | Biomimetic Radial Tandem Junction Photodetector with Natural RGB Color Discrimination Capability. Advanced Optical Materials, 2017, 5, 1700390.   | 3.6 | 15        |
| 77 | Design, Shaping, and Assembly of Free-Standing Silicon Nanoprobes. Nano Letters, 2021, 21, 2773-2779.   | 4.5 | 15        |
| 78 | Germanium quantum dot infrared photodetectors addressed by self-aligned silicon nanowire electrodes. Nanotechnology, 2020, 31, 145602.  | 1.3 | 14        |
| 79 | Light Harvesting and Enhanced Performance of Si Quantum Dot/Si Nanowire Heterojunction Solar Cells. Particle and Particle Systems Characterization, 2016, 33, 38-43.                      | 1.2 | 13        |
| 80 | Advanced radial junction thin film photovoltaics and detectors built on standing silicon nanowires. Nanotechnology, 2019, 30, 302001.   | 1.3 | 13        |
| 81 | Microscopic measurements of variations in local (photo)electronic properties in nanostructured solar cells. Solar Energy Materials and Solar Cells, 2013, 119, 228-234.                   | 3.0 | 11        |
| 82 | Type-II core-shell CdS nanocrystals: synthesis and spectroscopic and electrical properties. Chemical Communications, 2014, 50, 11922-11925.   | 2.2 | 11        |
| 83 | Correlative microscopy of radial junction nanowire solar cells using nanoindent position markers. Solar Energy Materials and Solar Cells, 2015, 135, 106-112.                             | 3.0 | 11        |
| 84 | Meandering growth of in-plane silicon nanowire springs. Applied Physics Letters, 2019, 114, .   | 1.5 | 11        |
| 85 | An Optimized FinFET Channel With Improved Line-Edge Roughness and Linewidth Roughness Using the Hydrogen Thermal Treatment Technology. IEEE Nanotechnology Magazine, 2017, 16, 1081-1087. | 1.1 | 10        |
| 86 | Facile 3D integration of Si nanowires on Bosch-etched sidewalls for stacked channel transistors. Nanoscale, 2020, 12, 2787-2792.  | 2.8 | 10        |
| 87 | Three-dimensional a-Si/a-Ge radial heterojunction near-infrared photovoltaic detector. Scientific Reports, 2019, 9, 19752.  | 1.6 | 9         |
| 88 | Superfast Growth Dynamics of High-Quality Silicon Nanowires on Polymer Films via Self-Selected Laser-Droplet-Heating. Nano Letters, 2021, 21, 569-576.                                    | 4.5 | 9         |
| 89 | Coupled boron-doping and geometry control of tin-catalyzed silicon nanowires for high performance radial junction photovoltaics. Optics Express, 2019, 27, 37248.                         | 1.7 | 9         |
| 90 | Optical absorption in vertical silicon nanowires for solar cell applications. Proceedings of SPIE, 2011, .  | 0.8 | 8         |

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|-----|--|-----|-----------|
| 91  | Morphology control and growth dynamics of in-plane solidâ€“liquidâ€“solid silicon nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1045-1049.           | 1.3 | 8         |
| 92  | Boosting light emission from Si-based thin film over Si and SiO <sub>2</sub> nanowires architecture. <i>Optics Express</i> , 2015, 23, 5388.   | 1.7 | 8         |
| 93  | Robust neuronal differentiation of human iPSC-derived neural progenitor cells cultured on densely-spaced spiky silicon nanowire arrays. <i>Scientific Reports</i> , 2021, 11, 18819.       | 1.6 | 8         |
| 94  | Designable Integration of Silicide Nanowire Springs as Ultraâ€“Compact and Stretchable Electronic Interconnections. <i>Small</i> , 2022, 18, e2104690.                                     | 5.2 | 8         |
| 95  | Non-invasive digital etching of van der Waals semiconductors. <i>Nature Communications</i> , 2022, 13, 1844.   | 5.8 | 8         |
| 96  | Investigating inhomogeneous electronic properties of radial junction solar cells using correlative microscopy. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KA08.              | 0.8 | 7         |
| 97  | Nanoscale Photovoltaic Responses in 3D Radial Junction Solar Cells Revealed by High Spatial Resolution Laser Excitation Photoelectric Microscopy. <i>ACS Nano</i> , 2019, 13, 10359-10365. | 7.3 | 6         |
| 98  | On the Mechanism of In Nanoparticle Formation by Exposing ITO Thin Films to Hydrogen Plasmas. <i>Langmuir</i> , 2017, 33, 12114-12119.   | 1.6 | 5         |
| 99  | Synergetic effect in rolling GaIn alloy droplets enables ultralow temperature growth of silicon nanowires at 70 Â°C on plastics. <i>Nanoscale</i> , 2020, 12, 8949-8957.                   | 2.8 | 5         |
| 100 | Innovative all-silicon based a-SiNx:O/c-Si heterostructure solar-blind photodetector with both high responsivity and fast response speed. <i>APL Photonics</i> , 2022, 7, .                | 3.0 | 5         |
| 101 | Terrace-confined guided growth of high-density ultrathin silicon nanowire array for large area electronics. <i>Nanotechnology</i> , 2021, 32, 265602.                                      | 1.3 | 4         |
| 102 | In situ observation of droplet nanofluidics for yielding low-dimensional nanomaterials. <i>Applied Surface Science</i> , 2022, 573, 151510.  | 3.1 | 4         |
| 103 | Review on 3D growth engineering and integration of nanowires for advanced nanoelectronics and sensor applications. <i>Nanotechnology</i> , 2022, 33, 222002.                               | 1.3 | 4         |
| 104 | Precise morphology control of in-plane silicon nanowires via a simple plasma pre-treatment. <i>Applied Surface Science</i> , 2022, 593, 153435.  | 3.1 | 4         |
| 105 | Bismuth-catalyzed n-type doping and growth evolution of planar silicon nanowires. <i>Applied Physics Letters</i> , 2020, 117, .  | 1.5 | 3         |
| 106 | Bias-selected full Red/Green/Blue color sensing and imaging based on inversely stacked radial PINIP junctions. <i>Nano Futures</i> , 2020, 4, 035007.                                      | 1.0 | 2         |
| 107 | Unexpected phosphorus doping routine of planar silicon nanowires for integrating CMOS logics. <i>Nanoscale</i> , 2021, 13, 15031-15037.  | 2.8 | 2         |
| 108 | Guided growth of in-plane lateral SiNWs led by indium catalysts. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1178, 92.  | 0.1 | 1         |

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|-----|--|------|-----------|
| 109 | Catalyst formation and growth of Sn- and In-catalyzed silicon nanowires. Materials Research Society Symposia Proceedings, 2010, 1258, 1.   | 0.1  | 1         |
| 110 | Quantum Dots: Ultrafast Solar-blind Ultraviolet Detection by Inorganic Perovskite CsPbX <sub>3</sub> Quantum Dots Radial Junction Architecture (Adv. Mater. 23/2017). Advanced Materials, 2017, 29, .                                | 11.1 | 1         |
| 111 | Perovskite Quantum Dot Photodetectors. Springer Series in Materials Science, 2020, , 181-218.  | 0.4  | 1         |
| 112 | Ultrathin 3D radial tandem-junction photocathode with a high onset potential of 1.15 V for solar hydrogen production. Chinese Journal of Catalysis, 2022, 43, 1842-1850.   | 6.9  | 1         |
| 113 | An analyzing of anomalous peak in the capacitance-voltage characteristics at Hg/GaN Schottky contact. , 2011, , .  |      | 0         |
| 114 | CuO nanowires-based Radial hetero-junction thin film silicon solar cells with a high open-circuit voltage. , 2017, , .   |      | 0         |
| 115 | Deterministic deployment of in-plane silicon nanowires for high performance large area electronics. , 2018, , .  |      | 0         |
| 116 | Corrections to "High Performance Si Nanowire TFTs With Ultrahigh On/Off Current Ratio and Steep Subthreshold Swing" [Jan 20 46-49]. IEEE Electron Device Letters, 2020, 41, 1604-1604.   | 2.2  | 0         |
| 117 | 22.2: <i>Invited Paper:</i> Programmable integration of silicon nanowires into orderly and stretchable arrays for high performance thin film transistors. Digest of Technical Papers SID International Symposium, 2021, 52, 144-144. | 0.1  | 0         |
| 118 | Coupled Investigation of Contact Potential and Microstructure Evolution of Ultra-Thin AlOx for Crystalline Si Passivation. Nanomaterials, 2021, 11, 1803.  | 1.9  | 0         |
| 119 | Polymorphous Nano-Si and Radial Junction Solar Cells. , 2018, , 1-53.  |      | 0         |
| 120 | Polymorphous Nano-Si and Radial Junction Solar Cells. , 2019, , 879-931.   |      | 0         |
| 121 | Advanced PECVD Processes for SiNW Based Solar Cells and Thin Film Transistors. , 2020, , .   |      | 0         |
| 122 | Tapering-free monocrystalline Ge nanowires synthesized via plasma-assisted VLS using In and Sn catalysts. Nanotechnology, 2022, , .  | 1.3  | 0         |