

Sean Garner

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,365
citations

361413

20
h-index

377865

34
g-index

52
all docs

52
docs citations

52
times ranked

2257
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Roll-to-Roll Printing of Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 2558-2565. | 17.4 | 199 |
| 2 | High-Performance Flexible Perovskite Solar Cells on Ultrathin Glass: Implications of the TCO. Journal of Physical Chemistry Letters, 2017, 8, 4960-4966. | 4.6 | 111 |
| 3 | High-efficiency, flexible CdTe solar cells on ultra-thin glass substrates. Applied Physics Letters, 2015, 106, . | 3.3 | 106 |
| 4 | Ultra-slim flexible glass for roll-to-roll electronic device fabrication. Applied Physics A: Materials Science and Processing, 2014, 116, 403-407. | 2.3 | 97 |
| 5 | Highly Flexible Transparent Electrodes Containing Ultrathin Silver for Efficient Polymer Solar Cells. Advanced Functional Materials, 2015, 25, 7309-7316. | 14.9 | 81 |
| 6 | Gravure Printing of Conductive Inks on Glass Substrates for Applications in Printed Electronics. Journal of Display Technology, 2011, 7, 318-324. | 1.2 | 67 |
| 7 | 14%-efficient flexible CdTe solar cells on ultra-thin glass substrates. Applied Physics Letters, 2014, 104, . | 3.3 | 62 |
| 8 | An Indium Tin Oxide-Free Polymer Solar Cell on Flexible Glass. ACS Applied Materials & Interfaces, 2015, 7, 4541-4548. | 8.0 | 60 |
| 9 | Fabrication of Cu ₂ ZnSnS ₄ solar cell on a flexible glass substrate. Thin Solid Films, 2014, 562, 574-577. | 1.8 | 59 |
| 10 | Flexible glass substrate based dye sensitized solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 237-244. | 6.2 | 48 |
| 11 | Bendable transparent ZnO thin film surface acoustic wave strain sensors on ultra-thin flexible glass substrates. Journal of Materials Chemistry C, 2014, 2, 9109-9114. | 5.5 | 44 |
| 12 | Flexible, transparent, and conductive defrosting glass. Thin Solid Films, 2014, 556, 13-17. | 1.8 | 39 |
| 13 | Flexible photonic components in glass substrates. Optics Express, 2015, 23, 22532. | 3.4 | 29 |
| 14 | Electrophoretic Displays Fabricated on Ultra-Slim Flexible Glass Substrates. Journal of Display Technology, 2012, 8, 590-595. | 1.2 | 27 |
| 15 | Improving efficiencies of Cu ₂ ZnSnS ₄ nanoparticle based solar cells on flexible glass substrates. Thin Solid Films, 2017, 642, 110-116. | 1.8 | 27 |
| 16 | Active Matrix Color-LCD on 75 μm Thick Flexible Glass Substrates. Journal of Display Technology, 2012, 8, 309-316. | 1.2 | 26 |
| 17 | Enhancing the sensitivity of flexible acoustic wave ultraviolet photodetector with graphene-quantum-dots decorated ZnO nanowires. Sensors and Actuators A: Physical, 2021, 321, 112590. | 4.1 | 26 |
| 18 | Strained Growth of Aluminum-Doped Zinc Oxide on Flexible Glass Substrate and Degradation Studies Under Cyclic Bending Conditions. IEEE Transactions on Device and Materials Reliability, 2014, 14, 121-126. | 2.0 | 25 |

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|----|--|-----|-----------|
| 19 | Flexible thin-film acoustic wave devices with off-axis bending characteristics for multisensing applications. <i>Microsystems and Nanoengineering</i> , 2021, 7, 97. | 7.0 | 25 |
| 20 | Cholesteric Liquid Crystal Display With Flexible Glass Substrates. <i>Journal of Display Technology</i> , 2013, 9, 644-650. | 1.2 | 21 |
| 21 | Development of flexible ZnO thin film surface acoustic wave strain sensors on ultrathin glass substrates. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 115005. | 2.6 | 21 |
| 22 | 26.1: <i>Invited Paper</i> : Ultra-Slim Flexible Glass Substrates for Display Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2012, 43, 342-344. | 0.3 | 15 |
| 23 | Diffractive Optical Elements with a Large Angle of Operation Recorded in Acrylamide Based Photopolymer on Flexible Substrates. <i>International Journal of Polymer Science</i> , 2014, 2014, 1-7. | 2.7 | 12 |
| 24 | Development of Transparent Electrodynamic Screens on Ultrathin Flexible Glass Film Substrates for Retrofitting Solar Panels and Mirrors for Self-Cleaning Function. <i>MRS Advances</i> , 2016, 1, 1003-1012. | 0.9 | 12 |
| 25 | Ultrathin Glass Substrates for Thin, Lightweight, Flexible OLED Lighting. <i>Information Display</i> , 2019, 35, 9-13. | 0.2 | 11 |
| 26 | Glass meets flexibility. <i>Vakuum in Forschung Und Praxis</i> , 2014, 26, 35-39. | 0.1 | 10 |
| 27 | Study on AZO coated flexible glass as TCO substrate. , 2016, , . | | 10 |
| 28 | Iron pyrite thin films grown through a one-step annealing of iron oxide using sulfur sources, tert-butyl disulfide and H ₂ S. <i>Thin Solid Films</i> , 2016, 615, 271-280. | 1.8 | 10 |
| 29 | Anti-reflective coating with a conductive indium tin oxide layer on flexible glass substrates. <i>Applied Optics</i> , 2018, 57, 2202. | 1.8 | 10 |
| 30 | Stacked volume holographic gratings for extending the operational wavelength range in LED and solar applications. <i>Applied Optics</i> , 2020, 59, 2569. | 1.8 | 10 |
| 31 | Surface Disruption Method With Flexible Glass to Prevent Potential-Induced Degradation of the Shunting Type in PV Modules. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 62-67. | 2.5 | 8 |
| 32 | Mitigation of dust impacts on solar collectors by water-free cleaning with transparent electrodynamic films: Progress and challenges. , 2016, , . | | 6 |
| 33 | Micron-Sized Feature Overlay Alignment on Large Flexible Substrates for Electronic and Display Systems. <i>Journal of Display Technology</i> , 2011, 7, 330-338. | 1.2 | 5 |
| 34 | Non-vacuum route for CIGS thin film absorber on flexible glass substrates. , 2015, , . | | 5 |
| 35 | 58.2:Distinguished Paper: Roll-to-roll Process on Ultra-thin Flexible Glass for Manufacturing the Multi-Touch Sensor Panel. <i>Digest of Technical Papers SID International Symposium</i> , 2013, 44, 807-809. | 0.3 | 4 |
| 36 | Laser Cutting of Flexible Glass. , 2014, , . | | 4 |

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|----|---|-----|-----------|
| 37 | CO2 laser free-shape cutting of flexible glass substrates. , 2012, , . | | 3 |
| 38 | Flexible glass substrates for display and lighting applications. , 2013, , . | | 3 |
| 39 | The use of Corning® Willow™ glass for flexible CdTe solar cells. , 2013, , . | | 3 |
| 40 | RF-sputtered Cd$_2$/SnO_4 for flexible glass CdTe solar cells. , 2016, , . | | 3 |
| 41 | The effect of back contact and rapid thermal processing conditions on flexible CdTe device performance. , 2015, , . | | 2 |
| 42 | Active and passive integration on flexible glass substrates: Subtractive single micron metal interposers and high performance IGZO thin film transistors. , 2015, , . | | 2 |
| 43 | 68-4: Demonstration of the Novel Ultra-Slim Flexible Glass as Substrate with Metal Meshed Antenna. Digest of Technical Papers SID International Symposium, 2016, 47, 937-939. | 0.3 | 2 |
| 44 | Study of the VHF Plasma Etching of Micro/Nano Patterned PMMA Coated on Ultra-Thin Flexible Glass Substrates. Plasma Processes and Polymers, 2016, 13, 990-996. | 3.0 | 2 |
| 45 | Roll-to-Roll Processing of Flexible Glass. , 2017, , 85-127. | | 2 |
| 46 | In-situ flexural OPV measurements on flexible glass substrate. , 2015, , . | | 1 |
| 47 | Flexible Glass for Microelectronics Integration. , 2017, , 331-347. | | 0 |
| 48 | Sustainable Photovoltaics. Lecture Notes in Energy, 2020, , 25-85. | 0.3 | 0 |