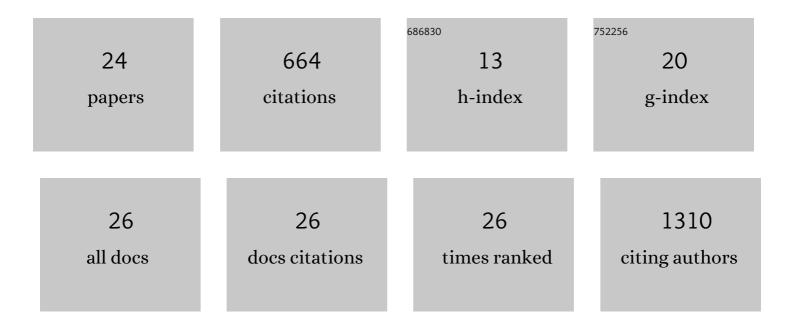
## Dana B Sulas

List of Publications by Year in descending order

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DANA R SILLAS

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Interplay between microstructure, defect states, and mobile charge generation in transition metal dichalcogenide heterojunctions. Nanoscale, 2021, 13, 8188-8198.  | 2.8  | 2         |
| 2  | Dark Lock-in Thermography Identifies Solder Bond Failure as the Root Cause of Series Resistance<br>Increase in Fielded Solar Modules. IEEE Journal of Photovoltaics, 2020, 10, 1409-1416.                            | 1.5  | 15        |
| 3  | The 2020 photovoltaic technologies roadmap. Journal Physics D: Applied Physics, 2020, 53, 493001.  | 1.3  | 274       |
| 4  | Methods for <i>In Situ</i> Electroluminescence Imaging of Photovoltaic Modules Under Varying Environmental Conditions. IEEE Journal of Photovoltaics, 2020, 10, 1254-1261.   | 1.5  | 10        |
| 5  | Failure analysis of fieldâ€failed bypass diodes. Progress in Photovoltaics: Research and Applications, 2020, 28, 909-918.  | 4.4  | 18        |
| 6  | Photoinduced charge transfer in transition metal dichalcogenide heterojunctions – towards next generation energy technologies. Energy and Environmental Science, 2020, 13, 2684-2740.                                | 15.6 | 67        |
| 7  | A Comprehensive Methodology to Evaluate Losses and Process Variations in Silicon Solar Cell<br>Manufacturing. IEEE Journal of Photovoltaics, 2019, 9, 1350-1359.   | 1.5  | 16        |
| 8  | Microsecond charge separation at heterojunctions between transition metal dichalcogenide monolayers and single-walled carbon nanotubes. Materials Horizons, 2019, 6, 2103-2111.                                      | 6.4  | 17        |
| 9  | Imaging Lateral Drift Kinetics to Understand Causes of Outdoor Degradation in Silicon<br>Heterojunction Photovoltaic Modules. Solar Rrl, 2019, 3, 1900102.   | 3.1  | 4         |
| 10 | Laser Cutting and Micromachining for Localized and Targeted Solar Cell Characterization. , 2019, , .   |      | 7         |
| 11 | Unique Photophysical Properties of Infrared Absorbing Polymers. , 2019, , .  |      | 0         |
| 12 | Comparison of PID Shunting in Polycrystalline and Single-Crystal Silicon Modules via Multi-Scale,<br>Multi-Technique Characterization. , 2019, , .   |      | 1         |
| 13 | Effect of nanotube coupling on exciton transport in polymer-free monochiral semiconducting carbon nanotube networks. Nanoscale, 2019, 11, 21196-21206.   | 2.8  | 17        |
| 14 | Comparison of photovoltaic module luminescence imaging techniques: Assessing the influence of<br>lateral currents in high-efficiency device structures. Solar Energy Materials and Solar Cells, 2019,<br>192, 81-87. | 3.0  | 16        |
| 15 | Largeâ€Area Material and Junction Damage in c–Si Solar Cells by Potentialâ€Induced Degradation. Solar<br>Rrl, 2019, 3, 1800303.  | 3.1  | 7         |
| 16 | Preferential Charge Generation at Aggregate Sites in Narrow Band Gap Infrared Photoresponsive<br>Polymer Semiconductors. Advanced Optical Materials, 2018, 6, 1701138.   | 3.6  | 29        |
| 17 | GaAs Solar Cells Grown on Unpolished, Spalled Ge Substrates. , 2018, , .   |      | 4         |
|    |  |      |           |

18 Thin-Film Module Reverse-Bias Breakdown Sites Identified by Thermal Imaging. , 2018, , .

DANA B SULAS

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Toward All-Solid-State Lithium Batteries: Three-Dimensional Visualization of Lithium Migration in<br>β-Li <sub>3</sub> PS <sub>4</sub> Ceramic Electrolyte. Journal of the Electrochemical Society, 2018, 165,<br>A3732-A3737. | 1.3 | 46        |
| 20 | Defect Detection in Solid-State Battery Electrolytes Using Lock-In Thermal Imaging. Journal of the Electrochemical Society, 2018, 165, A3205-A3211.  | 1.3 | 7         |
| 21 | Kinetic Competition between Charge Separation and Triplet Formation in Small-Molecule Photovoltaic<br>Blends. Journal of Physical Chemistry C, 2017, 121, 26667-26676.   | 1.5 | 17        |
| 22 | Modulation of hybrid organic–perovskite photovoltaic performance by controlling the excited dynamics of fullerenes. Materials Horizons, 2015, 2, 414-419.  | 6.4 | 24        |
| 23 | Open-Circuit Voltage Losses in Selenium-Substituted Organic Photovoltaic Devices from Increased<br>Density of Charge-Transfer States. Chemistry of Materials, 2015, 27, 6583-6591.   | 3.2 | 42        |
| 24 | Direct Measurement of Acceptor Group Localization on Donor–Acceptor Polymers Using Resonant<br>Auger Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 5570-5578.  | 1.5 | 13        |