

Soeren Alkaersig Jensen

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,258
citations

471509

17
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

4240
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | In-line characterization of nanostructures produced by roll-to-roll nanoimprinting. Optics Express, 2021, 29, 3882. | 3.4 | 4 |
| 2 | Survey of Models for Acquiring the Optical Properties of Translucent Materials. Computer Graphics Forum, 2020, 39, 729-755. | 3.0 | 17 |
| 3 | Optical metrology for nanowires grown with molecular beam epitaxy. , 2020, , . | | 0 |
| 4 | Ultrafast carrier dynamics in graphene and graphene nanostructures. Terahertz Science & Technology, 2020, 13, 135-148. | 0.5 | 1 |
| 5 | Enhanced p-Type Doping in Polycrystalline CdTe Films: Deposition and Activation. IEEE Journal of Photovoltaics, 2019, 9, 912-917. | 2.5 | 23 |
| 6 | Obtaining Large Columnar CdTe Grains and Long Lifetime on Nanocrystalline CdSe, MgZnO, or CdS Layers. Advanced Energy Materials, 2018, 8, 1702666. | 19.5 | 49 |
| 7 | Scatterometry for optimization of injection molded nanostructures at the fabrication line. International Journal of Advanced Manufacturing Technology, 2018, 99, 2669-2676. | 3.0 | 6 |
| 8 | Replacing libraries in scatterometry. Optics Express, 2018, 26, 34622. | 3.4 | 6 |
| 9 | Time-resolved correlative optical microscopy of charge-carrier transport, recombination, and space-charge fields in CdTe heterostructures. Applied Physics Letters, 2017, 110, . | 3.3 | 18 |
| 10 | The roles of carrier concentration and interface, bulk, and grain-boundary recombination for 25% efficient CdTe solar cells. Journal of Applied Physics, 2017, 121, . | 2.5 | 183 |
| 11 | Optically induced metastability in Cu(In,Ga)Se ₂ . Scientific Reports, 2017, 7, 13788. | 3.3 | 18 |
| 12 | Use of Rayleigh-Rice Theory for Analysis of Ellipsometry Data on Rough CIGS Films. Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, 1700217. | 0.8 | 2 |
| 13 | Long carrier lifetimes in large-grain polycrystalline CdTe without CdCl ₂ . Applied Physics Letters, 2016, 108, . | 3.3 | 30 |
| 14 | Beneficial effect of post-deposition treatment in high-efficiency Cu(In,Ga)Se ₂ solar cells through reduced potential fluctuations. Journal of Applied Physics, 2016, 120, . | 2.5 | 75 |
| 15 | Defect states in copper indium gallium selenide solar cells from two-wavelength excitation photoluminescence spectroscopy. , 2016, , . | | 0 |
| 16 | Relationship of Open-Circuit Voltage to CdTe Hole Concentration and Lifetime. IEEE Journal of Photovoltaics, 2016, 6, 1641-1644. | 2.5 | 30 |
| 17 | Thermodynamic picture of ultrafast charge transport in graphene. Nature Communications, 2015, 6, 7655. | 12.8 | 147 |
| 18 | Phonon-Induced Electron Scattering Limits Free Charge Mobility in Methylammonium Lead Iodide Perovskites. Journal of Physical Chemistry Letters, 2015, 6, 4991-4996. | 4.6 | 186 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Terahertz Carrier Dynamics in Graphene and Graphene Nanostructures. , 2014, , . | | 0 |
| 20 | Synthesis of structurally well-defined and liquid-phase-processable graphene nanoribbons. Nature Chemistry, 2014, 6, 126-132. | 13.6 | 468 |
| 21 | Terahertz Depolarization Effects in Colloidal TiO ₂ Films Reveal Particle Morphology. Journal of Physical Chemistry C, 2014, 118, 1191-1197. | 3.1 | 16 |
| 22 | Bottom-Up Synthesis of Liquid-Phase-Processable Graphene Nanoribbons with Near-Infrared Absorption. ACS Nano, 2014, 8, 11622-11630. | 14.6 | 138 |
| 23 | Competing Ultrafast Energy Relaxation Pathways in Photoexcited Graphene. Nano Letters, 2014, 14, 5839-5845. | 9.1 | 97 |
| 24 | Density-dependent electron scattering in photoexcited GaAs in strongly diffusive regime. Applied Physics Letters, 2013, 102, 231120. | 3.3 | 48 |
| 25 | Ultrafast Photoconductivity of Graphene Nanoribbons and Carbon Nanotubes. Nano Letters, 2013, 13, 5925-5930. | 9.1 | 117 |
| 26 | Photoexcitation cascade and multiple hot-carrier generation in graphene. Nature Physics, 2013, 9, 248-252. | 16.7 | 512 |
| 27 | Hot carrier multiplication in graphene. , 2013, , . | | 0 |
| 28 | Density-dependent electron scattering in photoexcited GaAs. , 2013, , . | | 0 |
| 29 | Carrier multiplication in bulk indium nitride. Applied Physics Letters, 2012, 101, . | 3.3 | 14 |
| 30 | Size-Dependent Electron Transfer from PbSe Quantum Dots to SnO ₂ Monitored by Picosecond Terahertz Spectroscopy. Nano Letters, 2011, 11, 5234-5239. | 9.1 | 53 |