

# Jesse Saari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/833178/publications.pdf>

Version: 2024-02-01

10  
papers

218  
citations

1307594

7  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

374  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Tunable Ti <sup>3+</sup> -Mediated Charge Carrier Dynamics of Atomic Layer Deposition-Grown Amorphous TiO <sub>2</sub> . Journal of Physical Chemistry C, 2022, 126, 4542-4554.                | 3.1 | 25        |
| 2  | Functionalization of TiO <sub>2</sub> inverse opal structure with atomic layer deposition grown Cu for photocatalytic and antibacterial applications. Optical Materials, 2022, 131, 112695.    | 3.6 | 10        |
| 3  | GaAs surface passivation for InAs/GaAs quantum dot based nanophotonic devices. Nanotechnology, 2021, 32, 130001.   | 2.6 | 7         |
| 4  | Interface Engineering of TiO <sub>2</sub> Photoelectrode Coatings Grown by Atomic Layer Deposition on Silicon. ACS Omega, 2021, 6, 27501-27509.  | 3.5 | 11        |
| 5  | Optimization of Photogenerated Charge Carrier Lifetimes in ALD Grown TiO <sub>2</sub> for Photonic Applications. Nanomaterials, 2020, 10, 1567.  | 4.1 | 20        |
| 6  | Modification of Surface States of Hematite-Based Photoanodes by Submonolayer of TiO <sub>2</sub> for Enhanced Solar Water Splitting. Journal of Physical Chemistry C, 2020, 124, 13094-13101.  | 3.1 | 18        |
| 7  | Diversity of TiO <sub>2</sub> : Controlling the Molecular and Electronic Structure of Atomic-Layer-Deposited Black TiO <sub>2</sub> . ACS Applied Materials & Interfaces, 2019, 11, 2758-2762. | 8.0 | 38        |
| 8  | Improved Stability of Atomic Layer Deposited Amorphous TiO <sub>2</sub> Photoelectrode Coatings by Thermally Induced Oxygen Defects. Chemistry of Materials, 2018, 30, 1199-1208.              | 6.7 | 81        |
| 9  | Tailored Fabrication of Transferable and Hollow Weblike Titanium Dioxide Structures. ChemPhysChem, 2017, 18, 64-71.  | 2.1 | 4         |
| 10 | Color Bricks: Building Highly Organized and Strongly Absorbing Multicomponent Arrays of Terpyridyl Perylenes on Metal Oxide Surfaces. Chemistry - A European Journal, 2016, 22, 1501-1510.     | 3.3 | 4         |