

# Ismo T S Rauha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4030830/publications.pdf>

Version: 2024-02-01

15  
papers

214  
citations

1162367

8  
h-index

1058022

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are Two Azo Groups Better than One? Investigating the Photoresponse of Polymer-Bisazobenzene Complexes. <i>Chemistry of Materials</i> , 2014, 26, 5089-5096.	3.2	57
2	Chemical compatibility of fused filament fabrication-based 3-D printed components with solutions commonly used in semiconductor wet processing. <i>Additive Manufacturing</i> , 2018, 23, 99-107.	1.7	33
3	Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds. <i>Macromolecules</i> , 2015, 48, 7535-7542.	2.2	27
4	Approaches to open source 3-D printable probe positioners and micromanipulators for probe stations. <i>HardwareX</i> , 2018, 4, e00042.	1.1	18
5	Towards national policy for open source hardware research: The case of Finland. <i>Technological Forecasting and Social Change</i> , 2020, 155, 119986.	6.2	17
6	Compatibility of 3-D printed devices in cleanroom environments for semiconductor processing. <i>Materials Science in Semiconductor Processing</i> , 2019, 89, 59-67.	1.9	12
7	Efficient surface passivation of black silicon using spatial atomic layer deposition. <i>Energy Procedia</i> , 2017, 124, 282-287.	1.8	8
8	Impact of black silicon on light- and elevated temperature-induced degradation in industrial passivated emitter and rear cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2019, 27, 918-925.	4.4	8
9	Atomic layer deposited aluminum oxide mitigates outgassing from fused filament fabrication-based 3-D printed components. <i>Surface and Coatings Technology</i> , 2020, 386, 125459.	2.2	7
10	Observation of Si 2p Core Level Shift in Si/High- $\kappa$ Dielectric Interfaces Containing a Negative Charge. <i>Advanced Electronic Materials</i> , 2021, 7, 2100034.	2.6	7
11	Vacuum outgassing characteristics of unpigmented 3D printed polymers coated with atomic layer deposited alumina. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	0.9	6
12	AlOx surface passivation of black silicon by spatial ALD: Stability under light soaking and damp heat exposure. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, 022401.	0.9	6
13	Fast Wafer-Level Characterization of Silicon Photodetectors by Photoluminescence Imaging. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 2449-2456.	1.6	5
14	Stability of the surface passivation properties of atomic layer deposited aluminum oxide in damp heat conditions. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	3
15	Increased surface recombination in crystalline silicon under light soaking due to Cu contamination. <i>Solar Energy Materials and Solar Cells</i> , 2021, 232, 111360.	3.0	0