

# Andreas Sattler

## List of Publications by Year in descending order

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1683354

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1588620

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9  
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#	ARTICLE	IF	CITATIONS
1	Analysis of the Nucleation Kinetics of Oxide Precipitates in Czochralski Silicon. ECS Transactions, 2008, 16, 97-108.	0.3	17
2	3D unsteady and steady modeling of heat and mass transfer during Cz Si crystal growth with a horizontal magnetic field. International Journal of Heat and Mass Transfer, 2021, 178, 121604.	2.5	14
3	Combination of optical measurement and precipitation theory to overcome the obstacles of detection limits. Materials Science in Semiconductor Processing, 2006, 9, 236-240.	1.9	7
4	Ab initio calculations and rate equation simulations for vacancy and vacancy-oxygen clustering in silicon. Journal of Crystal Growth, 2017, 468, 424-432.	0.7	7
5	Thermodynamic and morphological analysis of large silicon self-interstitial clusters using atomistic simulations. Journal of Applied Physics, 2015, 117, 135706.	1.1	5
6	Defects in Monocrystalline Silicon. Springer Handbooks, 2017, , 1-1.	0.3	5
7	Evaluation of the Performance of Published Point Defect Parameter Sets in Cone and Body Phase of a 300 mm Czochralski Silicon Crystal. Crystals, 2021, 11, 460.	1.0	4
8	Data-assisted physical modeling of oxygen precipitation in silicon wafers. Journal of Applied Physics, 2019, 125, 165705.	1.1	3
9	Editors'™ Choice™ Precipitation of Suboxides in Silicon, their Role in Gettering of Copper Impurities and Carrier Recombination. ECS Journal of Solid State Science and Technology, 2020, 9, 064002.	0.9	3