

# Andreas Sattler

## List of Publications by Year in descending order

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9  
papers

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1683354  
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docs citations

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59  
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#	ARTICLE	IF	CITATIONS
1	Evaluation of the Performance of Published Point Defect Parameter Sets in Cone and Body Phase of a 300 mm Czochralski Silicon Crystal. <i>Crystals</i> , 2021, 11, 460.	1.0	4
2	3D unsteady and steady modeling of heat and mass transfer during Cz Si crystal growth with a horizontal magnetic field. <i>International Journal of Heat and Mass Transfer</i> , 2021, 178, 121604.	2.5	14
3	Editors' Choice™ Precipitation of Suboxides in Silicon, their Role in Gettering of Copper Impurities and Carrier Recombination. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 064002.	0.9	3
4	Data-assisted physical modeling of oxygen precipitation in silicon wafers. <i>Journal of Applied Physics</i> , 2019, 125, 165705.	1.1	3
5	Ab initio calculations and rate equation simulations for vacancy and vacancy-oxygen clustering in silicon. <i>Journal of Crystal Growth</i> , 2017, 468, 424-432.	0.7	7
6	Defects in Monocrystalline Silicon. <i>Springer Handbooks</i> , 2017, , 1-1.	0.3	5
7	Thermodynamic and morphological analysis of large silicon self-interstitial clusters using atomistic simulations. <i>Journal of Applied Physics</i> , 2015, 117, 135706.	1.1	5
8	Analysis of the Nucleation Kinetics of Oxide Precipitates in Czochralski Silicon. <i>ECS Transactions</i> , 2008, 16, 97-108.	0.3	17
9	Combination of optical measurement and precipitation theory to overcome the obstacles of detection limits. <i>Materials Science in Semiconductor Processing</i> , 2006, 9, 236-240.	1.9	7