

Guillaume Reinhart

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

265
citations

1306789

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1372195

10
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11
all docs

11
docs citations

11
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	On the interest of synchrotron X-ray imaging for the study of solidification in metallic alloys. Comptes Rendus Physique, 2012, 13, 237-245.	0.3	68
2	Impact of solute flow during directional solidification of a Ni-based alloy: In-situ and real-time X-radiography. Acta Materialia, 2020, 194, 68-79.	3.8	45
3	Measurement of Solute Profiles by Means of Synchrotron X-Ray Radiography during Directional Solidification of Al-4 wt% Cu Alloys. Materials Science Forum, 0, 649, 331-336.	0.3	37
4	Twinning occurrence and grain competition in multi-crystalline silicon during solidification. Comptes Rendus Physique, 2013, 14, 141-148.	0.3	30
5	On the impact of twinning on the formation of the grain structure of multi-crystalline silicon for photovoltaic applications during directional solidification. Journal of Crystal Growth, 2015, 418, 38-44.	0.7	29
6	Scaling laws governing the growth and interaction of equiaxed Al-Cu dendrites: A study combining experiments with phase-field simulations. Materialia, 2018, 1, 62-69.	1.3	22
7	Revisiting dynamics and models of microsegregation during polycrystalline solidification of binary alloy. Journal of Materials Science and Technology, 2021, 74, 155-167.	5.6	11
8	Simultaneous X-ray radiography and diffraction topography imaging applied to silicon for defect analysis during melting and crystallization. Journal of Applied Crystallography, 2019, 52, 1312-1320.	1.9	10
9	Investigation of subgrains in directionally solidified cast mono-seeded silicon and their interactions with twin boundaries. Solar Energy Materials and Solar Cells, 2020, 218, 110817.	3.0	6
10	Combined growth of δ -Al and Bi in a Al-Bi-Cu monotectic alloy analyzed by in situ X-ray radiography. Journal of Crystal Growth, 2020, 536, 125592.	0.7	4
11	Equiaxed dendritic growth in nearly isothermal conditions: A study combining in situ and real-time experiment with large-scale phase-field simulation. Materials Today Communications, 2021, 28, 102467.	0.9	3