

Zbigniew Mitura

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Simplified Determination of RHEED Patterns and Its Explanation Shown with the Use of 3D Computer Graphics. <i>Materials</i> , 2021, 14, 3056.	2.9	5
2	An Analysis of Kikuchi Lines Observed with a RHEED Apparatus for a TiO ₂ -Terminated SrTiO ₃ (001) Crystal. <i>Materials</i> , 2021, 14, 7077.	2.9	5
3	Comparison of azimuthal plots for reflection high-energy positron diffraction (RHEPD) and reflection high-energy electron diffraction (RHEED) for Si(111) surface. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 328-333.	0.1	3
4	Discussion of the importance of the refraction effects for RHEED. <i>Applied Surface Science</i> , 2017, 421, 247-251.	6.1	0
5	Calculations of RHEED and RHEPD Rocking Curves for Growing Surfaces of Germanium. <i>Acta Physica Polonica A</i> , 2016, 130, 1134-1136.	0.5	0
6	Algorithms for determining the phase of RHEED oscillations. <i>Journal of Applied Crystallography</i> , 2015, 48, 1927-1934.	4.5	5
7	Theoretical analysis of reflection high-energy electron diffraction (RHEED) and reflection high-energy positron diffraction (RHEPD) intensity oscillations expected for the perfect layer-by-layer growth. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, 513-518.	0.1	2
8	Calculations of parameters of RHEED oscillations using different models of the scattering potential. <i>Journal of Crystal Growth</i> , 2014, 401, 364-366.	1.5	2
9	Computer Investigations of Features of RHEED Oscillations for GaAs and for Ge. <i>Solid State Phenomena</i> , 2013, 203-204, 347-350.	0.3	0
10	Computer studies on reflection high-energy electron diffraction from the growing surface of Ge(001). <i>Journal of Applied Crystallography</i> , 2013, 46, 1024-1030.	4.5	3
11	Thixoforming of spray formed M2 tool steel. <i>International Journal of Material Forming</i> , 2010, 3, 755-758.	2.0	9
12	Microstructure evolution in hot worked steel after heating to semi-solid state. <i>Journal of Microscopy</i> , 2010, 237, 469-474.	1.8	2
13	Thixoforming technology of high carbon X210CrW12 steel. <i>International Journal of Material Forming</i> , 2009, 2, 753-756.	2.0	12
14	Investigation of Si/Au vicinal surfaces using scanning tunnelling microscopy and reflection high-energy electron diffraction. <i>Journal of Microscopy</i> , 2006, 224, 125-127.	1.8	0
15	Modelling thixocasting with precise accounting of moving front of material. <i>Materials Science and Technology</i> , 2005, 21, 551-558.	1.6	7
16	The small terrace size approximation in the theory of RHEED oscillations. <i>Journal of Crystal Growth</i> , 2002, 235, 79-88.	1.5	9
17	Iterative method of calculating reflection-high-energy-electron-diffraction intensities. <i>Physical Review B</i> , 1999, 59, 4642-4645.	3.2	6
18	RHEED FROM EPITAXIALLY GROWN THIN FILMS. <i>Surface Review and Letters</i> , 1999, 06, 497-516.	1.1	11

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19	Interpretation of reflection high-energy electron diffraction oscillation phase. <i>Journal of Crystal Growth</i> , 1999, 198-199, 905-910.	1.5	11
20	Theoretical Analysis of RHEED Intensities for Growing Surfaces. <i>Surface Review and Letters</i> , 1998, 05, 701-709.	1.1	7
21	Phase of RHEED oscillations. <i>Physical Review B</i> , 1998, 57, 6309-6312.	3.2	23
22	In situ characterization of epitaxially grown thin layers. <i>Physical Review B</i> , 1996, 53, 10200-10208.	3.2	11
23	Theoretical studies on the quantitative interpretation of RHEED data. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 8717-8731.	1.8	4
24	Direct observation of rare-earth silicide epilayer formation by RHEED technique. <i>Vacuum</i> , 1995, 46, 531-535.	3.5	2
25	Investigation of a new method to control thin-film growth. <i>Applied Physics A: Materials Science and Processing</i> , 1995, 60, 227-231.	2.3	11
26	RHEED intensity oscillations during the growth of Pb _{1-x} In films on Si(111) with modified surface. <i>Vacuum</i> , 1994, 45, 303-305.	3.5	0
27	RHEED oscillations at special diffraction conditions. <i>Surface Science</i> , 1993, 298, 293-298.	1.9	6
28	Analysis of reflection high energy electron diffraction azimuthal plots. <i>Physical Review Letters</i> , 1993, 70, 2904-2907.	7.8	37
29	Studies on RHEED oscillations at low glancing angles. <i>Surface Science</i> , 1992, 277, 229-233.	1.9	29
30	RHEED intensity oscillations with extra maxima. <i>Surface Science</i> , 1992, 276, L15-L18.	1.9	22
31	Analysis of Shapes of RHEED Intensity Oscillations Observed for Growing Films. <i>Acta Physica Polonica A</i> , 1991, 80, 365-368.	0.5	5
32	Computer study of the influence of thermal vibrations on the RHEED intensity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 150, 51-52.	2.1	6
33	Ion beam mixing in Au-Cu compositionally modulated alloys. <i>Materials Letters</i> , 1990, 9, 325-328.	2.6	3
34	A study of the Ag/Cu and Au/Cu interfaces. <i>Surface Science</i> , 1990, 231, 90-94.	1.9	11
35	Structure properties of Pd/V superlattices formed by the dual electron-beam system. <i>Surface Science</i> , 1990, 231, 188-192.	1.9	1
36	Growth of the Bi-Sb superlattice. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 7795-7800.	1.8	6

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37	Rheed intensity calculations for Au(001) ultrathin films on an Ag(001) substrate and for an Au/Ag(001) superlattice. Surface Science, 1989, 222, 247-258.	1.9	3
38	Computer simulation of X-ray spectra of metallic superlattices. Journal of Physics F: Metal Physics, 1988, 18, 183-195.	1.6	33
39	The Use of ADINA Software to Simulate Thixocasting Processes. Solid State Phenomena, 0, , 626-629.	0.3	0