Zbigniew Mitura

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7273807/publications.pdf

Version: 2024-02-01

39	312	840776 11	940533 16
papers	citations	h-index	g-index

40	40	40	80
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of reflection high energy electron diffraction azimuthal plots. Physical Review Letters, 1993, 70, 2904-2907.	7.8	37
2	Computer simulation of X-ray spectra of metallic superlattices. Journal of Physics F: Metal Physics, 1988, 18, 183-195.	1.6	33
3	Studies on RHEED oscillations at low glancing angles. Surface Science, 1992, 277, 229-233.	1.9	29
4	Phase of RHEED oscillations. Physical Review B, 1998, 57, 6309-6312.	3.2	23
5	RHEED intensity oscillations with extra maxima. Surface Science, 1992, 276, L15-L18.	1.9	22
6	Thixoforming technology of high carbon X210CrW12 steel. International Journal of Material Forming, 2009, 2, 753-756.	2.0	12
7	A study of the Ag/Cu and Au/Cu interfaces. Surface Science, 1990, 231, 90-94.	1.9	11
8	Investigation of a new method to control thin-film growth. Applied Physics A: Materials Science and Processing, 1995, 60, 227-231.	2.3	11
9	In situcharacterization of epitaxially grown thin layers. Physical Review B, 1996, 53, 10200-10208.	3.2	11
10	RHEED FROM EPITAXIALLY GROWN THIN FILMS. Surface Review and Letters, 1999, 06, 497-516.	1.1	11
11	Interpretation of reflection high-energy electron diffraction oscillation phase. Journal of Crystal Growth, 1999, 198-199, 905-910.	1.5	11
12	The small terrace size approximation in the theory of RHEED oscillations. Journal of Crystal Growth, 2002, 235, 79-88.	1.5	9
13	Thixoforming of spray formed M2 tool steel. International Journal of Material Forming, 2010, 3, 755-758.	2.0	9
14	Theoretical Analysis of RHEED Intensities for Growing Surfaces. Surface Review and Letters, 1998, 05, 701-709.	1.1	7
15	Modelling thixocasting with precise accounting of moving front of material. Materials Science and Technology, 2005, 21, 551-558.	1.6	7
16	Growth of the Bi-Sb superlattice. Journal of Physics Condensed Matter, 1989, 1, 7795-7800.	1.8	6
17	Computer study of the influence of thermal vibrations on the RHEED intensity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 150, 51-52.	2.1	6
18	RHEED oscillations at special diffraction conditions. Surface Science, 1993, 298, 293-298.	1.9	6

#	Article	IF	Citations
19	Iterative method of calculating reflection-high-energy-electron-diffraction intensities. Physical Review B, 1999, 59, 4642-4645.	3.2	6
20	Algorithms for determining the phase of RHEED oscillations. Journal of Applied Crystallography, 2015, 48, 1927-1934.	4.5	5
21	Simplified Determination of RHEED Patterns and Its Explanation Shown with the Use of 3D Computer Graphics. Materials, 2021, 14, 3056.	2.9	5
22	Analysis of Shapes of RHEED Intensity Oscillations Observed for Growing Films. Acta Physica Polonica A, 1991, 80, 365-368.	0.5	5
23	An Analysis of Kikuchi Lines Observed with a RHEED Apparatus for a TiO2-Terminated SrTiO3 (001) Crystal. Materials, 2021, 14, 7077.	2.9	5
24	Theoretical studies on the quantitative interpretation of RHEED data. Journal of Physics Condensed Matter, 1996, 8, 8717-8731.	1.8	4
25	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
26	Ion beam mixing in Au-Cu compositionally modulated alloys. Materials Letters, 1990, 9, 325-328.	2.6	3
27	Computer studies on reflection high-energy electron diffraction from the growing surface of Ge(001). Journal of Applied Crystallography, 2013, 46, 1024-1030.	4.5	3
28	Comparison of azimuthal plots for reflection high-energy positron diffraction (RHEPD) and reflection high-energy electron diffraction (RHEED) for Si(111) surface. Acta Crystallographica Section A: Foundations and Advances, 2020, 76, 328-333.	0.1	3
29	Direct observation of rare-earth silicide epilayer formation by RHEED technique. Vacuum, 1995, 46, 531-535.	3.5	2
30	Microstructure evolution in hot worked steel after heating to semiâ€solid state. Journal of Microscopy, 2010, 237, 469-474.	1.8	2
31	Calculations of parameters of RHEED oscillations using different models of the scattering potential. Journal of Crystal Growth, 2014, 401, 364-366.	1.5	2
32	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. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, 513-518.	0.1	2
33	Structure properties of Pd/V superlattices formed by the dual electron-beam system. Surface Science, 1990, 231, 188-192.	1.9	1
34	RHEED intensity oscillations during the growth of Pbî—¸In films on Si(111) with modified surface. Vacuum, 1994, 45, 303-305.	3.5	0
35	Investigation of Si?Au vicinal surfaces using scanning tunnelling microscopy and reflection high-energy electron diffraction. Journal of Microscopy, 2006, 224, 125-127.	1.8	0
36	Computer Investigations of Features of RHEED Oscillations for GaAs and for Ge. Solid State Phenomena, 2013, 203-204, 347-350.	0.3	0

#	Article	IF	Citations
37	Discussion of the importance of the refraction effects for RHEED. Applied Surface Science, 2017, 421, 247-251.	6.1	0
38	The Use of ADINA Software to Simulate Thixocasting Processes. Solid State Phenomena, 0, , 626-629.	0.3	0
39	Calculations of RHEED and RHEPD Rocking Curves for Growing Surfaces of Germanium. Acta Physica Polonica A, 2016, 130, 1134-1136.	0.5	0