

# Heinz GÃ¼nter Brokmeier

## List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Deformation and texture evolution in AZ31 magnesium alloy during uniaxial loading. Acta Materialia, 2006, 54, 549-562.	7.9	302
2	Mechanical behaviour and microstructural evolution of magnesium alloy AZ31 in tension at different temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 424, 275-281.	5.6	121
3	Microstructural evolution during the annealing of an extruded AZ31 magnesium alloy. Journal of Alloys and Compounds, 2010, 506, 364-371.	5.5	108
4	Dislocation density evolution of AA 7020-T6 investigated by in-situ synchrotron diffraction under tensile load. Materials Characterization, 2015, 108, 124-131.	4.4	56
5	In situ measurements of texture variations during a tensile loading of Mg-alloy AM20 using synchrotron X-ray radiation. Scripta Materialia, 2004, 51, 455-460.	5.2	23
6	Effect of Solution Treatment on Mechanical and Corrosion Behaviors of 6082-T6 Al Alloy. Metallography, Microstructure, and Analysis, 2015, 4, 411-422.	1.0	23
7	TEX-2, Texture Analysis at GKSS Research Center (Instrumentation and Application). Materials Science Forum, 1998, 273-275, 277-282.	0.3	22
8	Global crystallographic textures obtained by neutron and synchrotron radiation. Physica B: Condensed Matter, 2006, 385-386, 623-625.	2.7	15
9	Simulation of Deformation Texture Evolution During Multi Axial Forging of Interstitial Free Steel. Journal of Materials Engineering and Performance, 2013, 22, 1004-1009.	2.5	13
10	Severe Plastic Deformation by Equal Channel Angular Pressing and Rolling: The Influence of the Deformation Path on Strain Distribution. Advanced Engineering Materials, 2018, 20, 1700055.	3.5	9
11	Hot Rectangular Extrusion Textures of Six Mg-Alloys Via Neutron Diffraction. Advanced Engineering Materials, 2018, 20, 1700234.	3.5	7
12	Texture and Texture Analysis in Engineering Materials. , 0, , 57-77.		6
13	Multi-scale phase analyses of strain-induced martensite in austempered ductile iron (ADI) using neutron diffraction and transmission techniques. Journal of Materials Science, 2021, 56, 5296-5306.	3.7	6
14	Transformation textures in Ni rich NiTi shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 835, 142594.	5.6	5
15	Hard X-Rays for In Situ Strain and Texture Measurements. Particle and Particle Systems Characterization, 2009, 26, 117-124.	2.3	4
16	Texture Gradient in a Rectangular Extruded Al60Mg40 Metal Matrix Composite. Metals, 2019, 9, 167.	2.3	4
17	Texture and Lattice Strain Evolution during Tensile Loading of Mg-Zn Alloys Measured by Synchrotron Diffraction. Metals, 2020, 10, 124.	2.3	4
18	Generalized pole figures from post-processing whole Debye-Scherrer patterns for microstructural analysis on deformed materials. Journal of Synchrotron Radiation, 2022, 29, 732-748.	2.4	2