

# Heinz GÃ¼nter Brokmeier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6610497/publications.pdf>

Version: 2024-02-01

18  
papers

732  
citations

1040056

9  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

674  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Texture and Lattice Strain Evolution during Tensile Loading of Mg-Zn Alloys Measured by Synchrotron Diffraction. Metals, 2020, 10, 124.	2.3	4
5	Texture Gradient in a Rectangular Extruded Al60Mg40 Metal Matrix Composite. Metals, 2019, 9, 167.	2.3	4
6	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
7	Hot Rectangular Extrusion Textures of Six Mg-Alloys Via Neutron Diffraction. Advanced Engineering Materials, 2018, 20, 1700234.	3.5	7
8	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
9	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
10	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
11	Microstructural evolution during the annealing of an extruded AZ31 magnesium alloy. Journal of Alloys and Compounds, 2010, 506, 364-371.	5.5	108
12	Hard X-Rays for In Situ Strain and Texture Measurements. Particle and Particle Systems Characterization, 2009, 26, 117-124.	2.3	4
13	Deformation and texture evolution in AZ31 magnesium alloy during uniaxial loading. Acta Materialia, 2006, 54, 549-562.	7.9	302
14	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
15	Global crystallographic textures obtained by neutron and synchrotron radiation. Physica B: Condensed Matter, 2006, 385-386, 623-625.	2.7	15
16	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
17	TEX-2, Texture Analysis at GKSS Research Center (Instrumentation and Application). Materials Science Forum, 1998, 273-275, 277-282.	0.3	22
18	Texture and Texture Analysis in Engineering Materials. , 0, , 57-77.		6