

# Sven Hilke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10882201/publications.pdf>

Version: 2024-02-01

15  
papers

171  
citations

1307594

7  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

146  
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of deformation on the medium-range order of a Zr-based bulk metallic glass characterized by variable resolution fluctuation electron microscopy. <i>Acta Materialia</i> , 2019, 171, 275-281.	7.9	54
2	On the shear-affected zone of shear bands in bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2020, 837, 155494.	5.5	20
3	The role of minor alloying in the plasticity of bulk metallic glasses. <i>Scripta Materialia</i> , 2020, 188, 50-53.	5.2	15
4	Correlations between the ductility and medium-range order of bulk metallic glasses. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	15
5	X-ray photon correlation spectroscopy revealing the change of relaxation dynamics of a severely deformed Pd-based bulk metallic glass. <i>Acta Materialia</i> , 2020, 195, 446-453.	7.9	13
6	Relaxation dynamics of Pd-Ni-P metallic glass: decoupling of anelastic and viscous processes. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 164004.	1.8	10
7	Shear Bands in Monolithic Metallic Glasses: Experiment, Theory, and Modeling. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	9
8	Influence of plastic deformation by high-pressure torsion on the crystallization kinetics of a Pd40Ni40P20 bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153254.	5.5	8
9	Comparison of Experimental STEM Conditions for Fluctuation Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2020, 26, 1100-1109.	0.4	8
10	Direct View on Non-Equilibrium Heterogeneous Dynamics in Glassy Nanorods. <i>Advanced Functional Materials</i> , 2021, 31, 2103742.	14.9	8
11	Fluctuation electron microscopy on silicon amorphized at varying self ion-implantation conditions. <i>Journal of Applied Physics</i> , 2019, 126, 095707.	2.5	5
12	Impact of severe plastic deformation on the relaxation of glassy and supercooled liquid states of amorphous Pd40Ni40P20. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	4
13	Studies on Stress Corrosion Cracking of Vit 105 Bulk Metallic Glass. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	1
14	Impact of Severe Deformation by HPT at Room Temperature on the Relaxation of the Glassy and the Supercooled Liquid States of PdNiP. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
15	X-Ray Photon Correlation Spectroscopy Revealing the Change of Relaxation Dynamics of a Severely Deformed Pd-Based Bulk Metallic Glass. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0