

# David Mayweg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9697380/publications.pdf>

Version: 2024-02-01

10  
papers

215  
citations

1162889

8  
h-index

1372474

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving cracks form white etching areas during rolling contact fatigue in bearings. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138659.	2.6	38
2	Mechanism of cementite decomposition in 100Cr6 bearing steels during high pressure torsion. <i>Acta Materialia</i> , 2020, 201, 79-93.	3.8	36
3	Microstructure and deformation behavior of two TWIP/TRIP high entropy alloys upon grain refinement. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140661.	2.6	30
4	Grain refinement of Fe-Ti alloys fabricated by laser powder bed fusion. <i>Materials and Design</i> , 2021, 204, 109665.	3.3	26
5	The role of carbon in the white etching crack phenomenon in bearing steels. <i>Acta Materialia</i> , 2021, 203, 116480.	3.8	22
6	Under-stoichiometric cementite in decomposing binary Fe-C pearlite exposed to rolling contact fatigue. <i>Acta Materialia</i> , 2021, 216, 117144.	3.8	21
7	Atomic Scale Origin of Metal Ion Release from Hip Implant Taper Junctions. <i>Advanced Science</i> , 2020, 7, 1903008.	5.6	18
8	Correlation between grain size and carbon content in white etching areas in bearings. <i>Acta Materialia</i> , 2021, 215, 117048.	3.8	13
9	Ultrastructural changes of bovine tooth surfaces under erosion in presence of biomimetic hydroxyapatite. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2021, 10, 132-145.	0.7	10
10	Metallic Implants: Atomic Scale Origin of Metal Ion Release from Hip Implant Taper Junctions ( <i>Adv. Sci.</i> ) Tj ETQq0 0,0 rgBT /Overlock 10	5.6	1