

# Alexander G Burlachenko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9992075/publications.pdf>

Version: 2024-02-01

12  
papers

67  
citations

1937685

4  
h-index

1588992

8  
g-index

13  
all docs

13  
docs citations

13  
times ranked

44  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase evolution during entropic stabilization of ZrC, NbC, HfC, and TiC. <i>Ceramics International</i> , 2022, 48, 11747-11755.	4.8	21
2	Low-temperature tensile ductility by V-alloying of high-nitrogen CrMn and CrNiMn steels: Characterization of deformation microstructure and fracture micromechanisms. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 745, 265-278.	5.6	20
3	The effect of age-hardening mechanism on hydrogen embrittlement in high-nitrogen steels. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20529-20544.	7.1	11
4	The Effect of Test Temperature on Deformation Microstructure and Fracture Mechanisms in CrMn High-Nitrogen Steels Alloyed (0-3 wt.%) with Vanadium. <i>Materials Science Forum</i> , 2018, 941, 27-32.	0.3	6
5	Effect of vanadium-alloying on hydrogen embrittlement of austenitic high-nitrogen steels. <i>Procedia Structural Integrity</i> , 2018, 13, 1053-1058.	0.8	3
6	Self-healing in high temperature ZrB <sub>2</sub> -SiC ceramics. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
7	Mechanical performance of ZrB <sub>2</sub> -ZrO <sub>2</sub> -SiC multilayer composite materials. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
8	Temperature Dependence of Tensile Deformation and Fracture Micromechanisms in V-Alloyed High-Nitrogen Steel: Effect of Solution-Treatment Temperature. <i>Procedia Structural Integrity</i> , 2018, 13, 1129-1134.	0.8	1
9	Influence of thermomechanical treatments on mechanical properties and fracture mechanism of high-nitrogen austenitic steel. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
10	Compacting of highly dispersed ZrO <sub>2</sub> (Y <sub>2</sub> O <sub>3</sub> ) powders. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
11	Tribological behavior of ZrB <sub>2</sub> -SiC ceramics during dry sliding on steel. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
12	Nanoindentation of ZrB <sub>2</sub> -SiC worn surface after high-speed sliding. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0