

# Yi-Du Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4067209/publications.pdf>

Version: 2024-02-01

12  
papers

490  
citations

1163117

8  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of nanomaterials: A review. <i>Nanotechnology Reviews</i> , 2020, 9, 259-273.	5.8	255
2	Study on the Machining Distortion of Thin-walled Part Caused by Redistribution of Residual Stress. <i>Chinese Journal of Aeronautics</i> , 2005, 18, 175-179.	5.3	66
3	Detecting Milling Deformation in 7075 Aluminum Alloy Aeronautical Monolithic Components Using the Quasi-Symmetric Machining Method. <i>Metals</i> , 2016, 6, 80.	2.3	39
4	Analysis and homogenization of residual stress in aerospace ring rolling process of 2219 aluminum alloy using thermal stress relief method. <i>International Journal of Mechanical Sciences</i> , 2019, 157-158, 111-118.	6.7	39
5	Experimental Investigation on the Fatigue Life of Ti-6Al-4V Treated by Vibratory Stress Relief. <i>Metals</i> , 2017, 7, 158.	2.3	30
6	Residual Stress Relief for 2219 Aluminum Alloy Weldments: A Comparative Study on Three Stress Relief Methods. <i>Metals</i> , 2019, 9, 419.	2.3	21
7	Microstructure and wear-resistant properties of NiCrâ€“Cr3C2 coating with Ni45 transition layer produced by laser cladding. <i>Rare Metals</i> , 2015, 34, 491-497.	7.1	18
8	Simulations and Experiments on Vibration Control of Aerospace Thin-Walled Parts via Preload. <i>Shock and Vibration</i> , 2017, 2017, 1-7.	0.6	11
9	Residual stress homogenization of SiC/Al composites with thermal vibration coupling. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 1691-1703.	3.0	6
10	A prediction model of the extrusion deformation with residual stress on 6063 aluminum alloy aeronautical plate considering different extrusion parameters. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 1671-1681.	3.0	3
11	Study on stress distribution of SiC/Al composites based on microstructure models with microns and nanoparticles. <i>Nanotechnology Reviews</i> , 2022, 11, 1854-1869.	5.8	2
12	High voltage DC leakage detection for double-lined hazardous waste landfill based on finite element method. <i>Journal of Shanghai University</i> , 2007, 11, 585-590.	0.1	0