

# Dalia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5912531/publications.pdf>

Version: 2024-02-01

20  
papers

311  
citations

933447

10  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

222  
citing authors

#	ARTICLE	IF	CITATIONS
1	High temperature cyclic oxidation of Ni based superalloys at different temperatures in air. Journal of Alloys and Compounds, 2017, 719, 133-141.	5.5	64
2	Wear and Corrosion Behavior of Al-Si Matrix Composite Reinforced with Alumina. Journal of Bio- and Tribo-Corrosion, 2015, 1, 1.	2.6	48
3	Wear and Corrosion Behavior of High-Cr White Cast Iron Alloys in Different Corrosive Media. Journal of Bio- and Tribo-Corrosion, 2015, 1, 1.	2.6	27
4	Advanced Fiber Metal Laminates Filled with Silicon Dioxide Nanoparticles with Enhanced Mechanical Properties. Fibers and Polymers, 2021, 22, 2447-2463.	2.1	27
5	Fatigue behavior of pure polypropylene and recycled polypropylene reinforced with short glass fiber. Journal of Composite Materials, 2018, 52, 1633-1640.	2.4	21
6	Modeling of Wear Behavior of Al-Si/Al <sub>2</sub> O <sub>3</sub> Metal Matrix Composites. Physics of Metals and Metallography, 2019, 120, 981-988.	1.0	17
7	Chitosan-based nanocomposites: preparation and characterization for food packing industry. Materials Research Express, 2021, 8, 025017.	1.6	16
8	Advanced materials used in wearable health care devices and medical textiles in the battle against coronavirus (COVID-19): A review. Journal of Industrial Textiles, 2022, 51, 246S-271S.	2.4	16
9	Characterization and performance evaluation of Cu-based/TiO <sub>2</sub> nano composites. Scientific Reports, 2022, 12, 6669.	3.3	15
10	Corrosive Wear of Alumina Particles Reinforced Al-Si Alloy Composites. Physics of Metals and Metallography, 2020, 121, 188-194.	1.0	11
11	Multivariable analysis for selection of natural fibers as fillers for a sustainable food packaging industry. Materials Research Express, 2021, 8, 095504.	1.6	10
12	Using ANN and OA techniques to determine the specific wear rate effectors of A356 Al-Si/Al <sub>2</sub> O <sub>3</sub> MMC. Neural Computing and Applications, 2022, 34, 14373-14386.	5.6	9
13	Mechanical and microstructure characteristics of heat-treated of high-Cr WI and AISI4140 steel bimetal beams. Journal of Materials Research and Technology, 2020, 9, 7926-7936.	5.8	7
14	Development of Al-Mg-Si alloy performance by addition of grain refiner Al-5Ti-1B alloy. Science Progress, 2021, 104, 003685042110294.	1.9	5
15	Design and building of an automated heat-treatment system for industrial applications. AEJ - Alexandria Engineering Journal, 2020, 59, 5007-5017.	6.4	4
16	Investigation and Prediction of Abrasive Wear Rate of Heat-Treated HCCIs with Different Cr/C Ratios Using Artificial Neural Networks. International Journal of Metalcasting, 2021, 15, 1149-1163.	1.9	4
17	Prediction of the Corrosion Rate of Al-Si Alloys Using Optimal Regression Methods. Intelligent Automation and Soft Computing, 2021, 29, 757-769.	2.1	4
18	Enhancement of Barrier and Mechanical Performance of Steel Coated with Epoxy Filled with Micron and Nano Alumina Fillers. Materials Research, 0, 25, .	1.3	3

#	ARTICLE	IF	CITATIONS
19	IMPROVEMENT OF TRIBOLOGICAL PROPERTIES OF A356-AL2O3 CAST COMPOSITES BY HEAT-TREATMENT. Journal of Al-Azhar University Engineering Sector, 2018, 13, 998-1003.	0.1	2
20	High-Temperature Cyclic Oxidation of 800H Superalloy at 750°C–950°C in Air. Journal of Testing and Evaluation, 2020, 48, 1277-1287.	0.7	1