

# Mohsen Mesbah

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3535000/publications.pdf>

Version: 2024-02-01

12  
papers

223  
citations

1307594

7  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano- from nature to nurture: A comprehensive review on facets, trends, perspectives and sustainability of nanotechnology in the food sector. <i>Energy</i> , 2022, 240, 122732.	8.8	55
2	Characterization of nanostructured pure aluminum tubes produced by tubular channel angular pressing (TCAP). <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 590, 289-294.	5.6	41
3	Mechanical properties, corrosion behavior and in-vitro bioactivity of nanostructured Pd/PdO coating on TiAlNb implant. <i>Materials and Design</i> , 2016, 103, 10-24.	7.0	27
4	Experimental and Modelling Study of Ultra-Fine Grained ZK60 Magnesium Alloy with Simultaneously Improved Strength and Ductility Processed by Parallel Tubular Channel Angular Pressing. <i>Metals and Materials International</i> , 2021, 27, 277-297.	3.4	20
5	Nano-mechanical properties and microstructure of UFG brass tubes processed by parallel tubular channel angular pressing. <i>Metals and Materials International</i> , 2016, 22, 1098-1107.	3.4	19
6	Synergistic enhancement of photocatalytic antibacterial effects in high-strength aluminum/TiO <sub>2</sub> nanoarchitectures. <i>Ceramics International</i> , 2020, 46, 24267-24280.	4.8	19
7	Electron back-scattered diffraction and nanoindentation analysis of nanostructured Al tubes processed by multipass tubular-channel angular pressing. <i>Metals and Materials International</i> , 2016, 22, 288-294.	3.4	14
8	Metal-doped bioceramic nanopowders with tunable structural properties aimed at enhancing bone density: Rapid synthesis and modeling. <i>Ceramics International</i> , 2020, 46, 28064-28083.	4.8	7
9	Mechanical strength estimation of ultrafine-grained magnesium implant by neural-based predictive machine learning. <i>Materials Letters</i> , 2021, 305, 130627.	2.6	7
10	The impacts of grain boundary on the scattering of intermetallics in friction-stir-welded AA6061-T6. <i>Materials Letters</i> , 2021, 300, 130206.	2.6	6
11	Mechanical properties modeling of severely plastically deformed biodegradable ZK60 magnesium alloy for bone implants. <i>Latin American Journal of Solids and Structures</i> , 2020, 17, .	1.0	5
12	Investigation on structural properties and bioactivity of nanosized biphasic calcium phosphate. <i>Ceramics International</i> , 2021, 47, 26720-26731.	4.8	3