

# Hamid Khorsand

## List of Publications by Year in descending order

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36  
papers

479  
citations

687363

13  
h-index

713466

21  
g-index

38  
all docs

38  
docs citations

38  
times ranked

511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing Ti-6Al-4V brazed joint strength equal to the base metal by Ti and Zr amorphous filler alloys. <i>Materials Characterization</i> , 2012, 71, 31-40.	4.4	56
2	Effect of different organic solvents on electrodeposition and wear behavior of Ni-alumina nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2017, 313, 202-213.	4.8	46
3	Artificial Neural Network prediction of Cu-Al <sub>2</sub> O <sub>3</sub> composite properties prepared by powder metallurgy method. <i>Journal of Materials Research and Technology</i> , 2013, 2, 351-355.	5.8	38
4	Evaluate of braze joint strength and microstructure characterize of titanium-CP with Ag-based filler alloy. <i>Materials &amp; Design</i> , 2012, 39, 33-41.	5.1	35
5	Improvement of biomedical functionality of titanium by ultrasound-assisted electrophoretic deposition of hydroxyapatite-graphene oxide nanocomposites. <i>Ceramics International</i> , 2020, 46, 18297-18307.	4.8	30
6	Fatigue behavior of diffusion bonded powder metallurgy steel with heterogeneous microstructure. <i>Materials &amp; Design</i> , 2009, 30, 1026-1031.	5.1	28
7	A NEW ROBUST AND HIGH-PERFORMANCE HYBRID FULL ADDER CELL. <i>Journal of Circuits, Systems and Computers</i> , 2011, 20, 641-655.	1.5	27
8	Optimization of Amorphous Silica Nanoparticles Synthesis from Rice Straw Ash Using Design of Experiments Technique. <i>Particulate Science and Technology</i> , 2013, 31, 366-371.	2.1	26
9	Carbon coating for corrosion protection of SS-316L and AA-6061 as bipolar plates of PEM fuel cells. <i>Journal of Alloys and Compounds</i> , 2014, 613, 288-291.	5.5	26
10	Effect of carbamide concentration on electrodeposition and tribological properties of Al <sub>2</sub> O <sub>3</sub> nanoparticle reinforced nickel nanocomposite coatings. <i>Tribology International</i> , 2018, 117, 68-77.	5.9	25
11	A comparison of performance of artificial intelligence methods in prediction of dry sliding wear behavior. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 84, 1981-1994.	3.0	19
12	Torque rheometry and rheological analysis of powder-polymer mixture for aluminum powder injection molding. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 745-755.	2.4	17
13	On the tribological behavior of nanoalumina reinforced low alloy sintered steel. <i>Materials &amp; Design</i> , 2014, 57, 60-66.	5.1	14
14	Microstructural association between mechanical behavior with bending fracture surfaces in Astaloy CrA sintered parts alloyed by Cu and C. <i>Materials &amp; Design</i> , 2014, 55, 979-986.	5.1	13
15	Processing and properties of Al-based powder suspension/slurry: A comparison study of aqueous binder systems, stability and film uniformity. <i>Powder Technology</i> , 2014, 254, 12-21.	4.2	13
16	Study of corrosion behavior for nitrocarburized sintered Astaloy CrA+C. <i>Journal of Alloys and Compounds</i> , 2009, 477, 591-595.	5.5	10
17	The Effect of the Plasma-Nitriding Process on the Structure and Wear Properties of the Sintered Low Alloy Steel. <i>Metallography, Microstructure, and Analysis</i> , 2018, 7, 711-723.	1.0	8
18	Influence of case hardening on wear resistance of a sintered low alloy steel. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6800-6805.	5.5	7

#	ARTICLE	IF	CITATIONS
19	Nano-particles in powder injection molding of an aluminum matrix composite: Rheological behavior, production and properties. International Journal of Materials Research, 2017, 108, 237-244.	0.3	6
20	Fluidized bed coating efficiency and morphology of coatings for producing Al-based nanocomposite hollow spheres. International Journal of Minerals, Metallurgy and Materials, 2014, 21, 1146-1151.	4.9	5
21	Study of mechanical milling mechanisms in Al-Si eutectic system. Materials Letters, 2015, 143, 144-147.	2.6	5
22	Comparative experimental and numerical study on the mechanical properties, formability, and microstructure of two high strength steel sheets. International Journal of Advanced Manufacturing Technology, 2020, 108, 2023-2033.	3.0	5
23	Numerical and experimental study of injection step, separation, and imbalance filling in low pressure injection molding of ceramic components. Journal of the European Ceramic Society, 2021, 41, 6915-6924.	5.7	4
24	Phosphate-Free Protective Nanoceramic Coatings for Galvanized Steel Sheet with H <sub>2</sub> O <sub>2</sub> Additive. Advanced Materials Research, 0, 829, 436-440.	0.3	3
25	Fatigue of sintered steels (Fe - 1.5 Mo - 3 Mn - 0.7 C). Materials and Structures/Materiaux Et Constructions, 2004, 37, 335-341.	3.1	3
26	Carbon, porosity and fatigue in sintered steel. Metal Powder Report, 2002, 57, 32-36.	0.1	2
27	Effects of Load and Sliding Speed on Tribological Behavior of Plasma Sprayed Bronze-Alumina Coatings. Defect and Diffusion Forum, 2010, 297-301, 1122-1126.	0.4	2
28	Application of Artificial Neural Network for Prediction of Heat Treated Sintered Steels Properties. Defect and Diffusion Forum, 2008, 273-276, 323-328.	0.4	1
29	Microstructural Aspects and Wear Behavior of Sinter Hardened Distaloy HP. Steel Research International, 2011, 82, 1297-1303.	1.8	1
30	Investigation the Effect of Additive Content and Sintering Temperature on the Mechanical Properties of Clay-Bonded and Glass-Bonded Ceramic Parts Produced by Low Injection Molding Method. Silicon, 0, , 1.	3.3	1
31	Growth inhibiting during ultra-high temperature sintering of injection moulded 17-4 PH stainless steel through the dispersion of ZrO <sub>2</sub> particle as a thermal stabiliser. Powder Metallurgy, 2023, 66, 20-28.	1.7	1
32	Fatigue Behavior of a Low Alloy P/M Steel. , 2002, , .		0
33	Investigation of Mechanical Properties of Powder Metallurgy Parts with Control of Microstructure. Materials Science Forum, 2007, 534-536, 297-300.	0.3	0
34	Investigation and Comparison between Wear Properties of Powder Metallurgy (P/M) and Powder Forge (P/F) Product. Defect and Diffusion Forum, 0, 283-286, 111-116.	0.4	0
35	A Study on the Formability of IF and Plain Carbon Mild Steels. , 2010, , .		0
36	Cyclic behaviour of Distaloy AE powder metallurgy steel with superimposed tensile mean stress. Powder Metallurgy, 2011, 54, 263-268.	1.7	0