

M H Enayati

List of Publications by Year in descending order

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174
papers

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87723

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Fabrication and evaluation of mechanical and tribological properties of boron carbide reinforced aluminum matrix nanocomposites. <i>Materials & Design</i> , 2011, 32, 3263-3271.	5.1	218
2	A novel approach for development of surface nanocomposite by friction stir processing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 6734-6740.	2.6	120
3	A novel technique for development of A356/Al ₂ O ₃ surface nanocomposite by friction stir processing. <i>Journal of Materials Processing Technology</i> , 2011, 211, 1614-1619.	3.1	115
4	Tribological properties of Al ₆₀₆₁ -Al ₂ O ₃ nanocomposite prepared by milling and hot pressing. <i>Materials & Design</i> , 2010, 31, 4777-4785.	5.1	88
5	Microstructural and mechanical evaluation of Al-TiB ₂ nanostructured composite fabricated by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7758-7763.	2.8	84
6	Application of mechanical alloying/milling for synthesis of nanocrystalline and amorphous materials. <i>International Materials Reviews</i> , 2014, 59, 394-416.	9.4	82
7	Tribological and microstructural evaluation of friction stir processed Al ₂₀₂₄ alloy. <i>Materials & Design</i> , 2010, 31, 4891-4896.	5.1	78
8	Synthesis of nanocrystalline NiAl by mechanical alloying. <i>Journal of Materials Processing Technology</i> , 2008, 200, 312-315.	3.1	76
9	The effect of milling parameters on the synthesis of Ni ₃ Al intermetallic compound by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 809-811.	2.6	75
10	Mechanical properties of nanostructured Al ₂₀₂₄ -MWCNT composite prepared by optimized mechanical milling and hot pressing methods. <i>Advanced Powder Technology</i> , 2012, 23, 205-210.	2.0	69
11	Production of nanostructured WC-Co powder by ball milling. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009, 27, 159-163.	1.7	64
12	Fabrication of Al-Zn-Al ₂ O ₃ nanocomposite by mechanical alloying. <i>Materials Letters</i> , 2008, 62, 282-285.	1.3	62
13	Synthesis of nanocrystalline MoSi ₂ by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2005, 403, 258-261.	2.8	61
14	Tribological Behavior of A356/Al ₂ O ₃ Surface Nanocomposite Prepared by Friction Stir Processing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 2250-2259.	1.1	61
15	Effect of composition on structural and magnetic properties of nanocrystalline ball milled Ni _{1-x} Zn _x Fe ₂ O ₄ ferrite. <i>Physica B: Condensed Matter</i> , 2010, 405, 507-512.	1.3	60
16	Formation mechanism of Fe ₃ Al and FeAl intermetallic compounds during mechanical alloying. <i>Journal of Materials Science</i> , 2005, 40, 3933-3938.	1.7	58
17	Bulk Al-Zn/Al ₂ O ₃ nanocomposite prepared by reactive milling and hot pressing methods. <i>Journal of Alloys and Compounds</i> , 2009, 475, 198-201.	2.8	58
18	Synthesis and characterization of NiAl-Al ₂ O ₃ nanocomposite powder by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2009, 477, 178-181.	2.8	57

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19	Mechanical and microstructural characterization of Al7075/SiC nanocomposites fabricated by dynamic compaction. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014, 21, 295-303.	2.4	57
20	Synthesis and characterization of Zn/Al ₂ O ₃ nanocomposite by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 486, 45-48.	2.6	56
21	Study on solid-state reactions of nanocrystalline TiAl synthesized by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2009, 471, 93-97.	2.8	54
22	Microstructural and mechanical characterizations of a novel HVOF-sprayed WC-Co coating deposited from electroless Ni-P coated WC-12Co powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 578, 46-53.	2.6	54
23	The role of martensitic transformation on bimodal grain structure in ultrafine grained AISI 304L stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 636, 221-230.	2.6	54
24	Wear characteristics of Al-Cr-O surface nano-composite layer fabricated on Al6061 plate by friction stir processing. <i>Wear</i> , 2013, 304, 144-151.	1.5	53
25	Mechanosynthesis of nanostructured magnetic Ni-Zn ferrite. <i>Powder Technology</i> , 2009, 193, 150-153.	2.1	51
26	Synthesis and characterization of TiAl/Al ₂ O ₃ nanocomposite by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2009, 478, 257-259.	2.8	51
27	Friction-stir welding of ultrafine grained austenitic 304L stainless steel produced by martensitic thermomechanical processing. <i>Materials & Design</i> , 2015, 76, 130-140.	5.1	51
28	Compressive and wear behaviors of bulk nanostructured Al ₂ O ₃ alloy. <i>Materials & Design</i> , 2010, 31, 663-669.	5.1	47
29	Synthesis of MoSi ₂ -Al ₂ O ₃ nanocomposite by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 430, 185-188.	2.6	46
30	Mechanochemical assisted synthesis of B ₄ C nanoparticles. <i>Advanced Powder Technology</i> , 2011, 22, 354-358.	2.0	46
31	Characterization of nanocrystalline and amorphous cobalt-phosphorous electrodeposits. <i>Materials Letters</i> , 2008, 62, 3629-3631.	1.3	45
32	The effect of grain size and martensitic transformation on the wear behavior of AISI 304L stainless steel. <i>Materials & Design</i> , 2014, 64, 56-62.	5.1	43
33	Characterization and formation mechanism of nanocrystalline (Fe,Ti) ₃ Al intermetallic compound prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2009, 480, 392-396.	2.8	42
34	Preparation of Al ₂ O ₃ -TiB ₂ nanocomposite powder by mechanochemical reaction between Al, B ₂ O ₃ and Ti. <i>Advanced Powder Technology</i> , 2011, 22, 526-531.	2.0	42
35	A comparative study on the wear properties of coarse-grained Al6061 alloy and nanostructured Al6061-Al ₂ O ₃ composites. <i>Tribology International</i> , 2012, 54, 58-67.	3.0	42
36	Formation of nanostructured NiAl coating on carbon steel by using mechanical alloying. <i>Applied Surface Science</i> , 2012, 263, 730-736.	3.1	42

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37	A comparative study on hot dynamic compaction and quasi-static hot pressing of Al7075/SiCnp nanocomposite. <i>Advanced Powder Technology</i> , 2015, 26, 73-82.	2.0	42
38	Mechanochemical behavior of Fe ₂ O ₃ -Al-Fe powder mixtures to produce Fe ₃ Al-Al ₂ O ₃ nanocomposite powder. <i>Journal of Materials Science</i> , 2008, 43, 132-138.	1.7	41
39	Synthesis of titanium diboride reinforced alumina matrix nanocomposite by mechanochemical reaction of Al-TiO ₂ -B ₂ O ₃ . <i>Journal of Alloys and Compounds</i> , 2010, 502, 508-512.	2.8	41
40	Oxidation and electrical behavior of CuFe ₂ O ₄ spinel coated Crofer 22 APU stainless steel for SOFC interconnect application. <i>Solid State Ionics</i> , 2016, 289, 95-105.	1.3	41
41	A study on mechanochemical behavior of B ₂ O ₃ -Al system to produce alumina-based nanocomposite. <i>Journal of Alloys and Compounds</i> , 2009, 482, 110-113.	2.8	40
42	Structural and Thermal Behavior of Fe-Cr-Mo-P-B-C-Si Amorphous and Nanocrystalline HVOF Coatings. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 1093-1099.	1.6	39
43	Comparison between oxidation kinetics of HVOF sprayed WC-12Co and WC-10Co-4Cr coatings. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 41, 78-84.	1.7	39
44	Structure-transmittance relationship in transparent ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 785, 260-285.	2.8	39
45	Phase transitions in nanostructured Fe-Cr-Ni alloys prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2008, 454, 228-232.	2.8	38
46	A novel route for development of Al-Cr-O surface nano-composite by friction stir processing. <i>Journal of Alloys and Compounds</i> , 2013, 562, 48-55.	2.8	37
47	Gas tungsten arc welding and friction stir welding of ultrafine grained AISI 304L stainless steel: Microstructural and mechanical behavior characterization. <i>Materials Characterization</i> , 2015, 109, 138-151.	1.9	36
48	Mechanochemical reduction of MoO ₃ /SiO ₂ powder mixtures by Al and carbon for the synthesis of nanocrystalline MoSi ₂ . <i>Journal of Alloys and Compounds</i> , 2007, 430, 170-174.	2.8	35
49	Formation mechanism and characterization of nanostructured Ti6Al4V alloy prepared by mechanical alloying. <i>Materials & Design</i> , 2012, 37, 152-160.	5.1	35
50	Tribological properties of Al7075-SiC nanocomposite prepared by hot dynamic compaction. <i>Composite Interfaces</i> , 2015, 22, 579-593.	1.3	35
51	Softening behaviour of nanostructured Al-14wt% Zn alloy during mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2008, 464, 107-110.	2.8	34
52	Mechanochemical synthesis of (Fe,Ti) ₃ Al-Al ₂ O ₃ nanocomposite. <i>Journal of Alloys and Compounds</i> , 2009, 488, 144-147.	2.8	34
53	Mechanochemically synthesized Al ₂ O ₃ -TiC nanocomposite. <i>Journal of Alloys and Compounds</i> , 2010, 491, 411-415.	2.8	34
54	High temperature oxidation behavior of micro/nanostructured WC-Co coatings deposited from Ni-coated powders using high velocity oxygen fuel spraying. <i>Surface and Coatings Technology</i> , 2016, 302, 426-437.	2.2	34

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55	In situ production of Al-TiB ₂ nanocomposite by double-step mechanical alloying. <i>Journal of Materials Science</i> , 2009, 44, 2566-2572.	1.7	33
56	Investigation of structural and magnetic properties of nanocrystalline Ni _{0.3} Zn _{0.7} Fe ₂ O ₄ prepared by high energy ball milling. <i>Journal of Alloys and Compounds</i> , 2009, 480, 737-740.	2.8	33
57	Thermal stability and structural changes during heat treatment of nanostructured Al ₂ O ₃ alloy. <i>Journal of Alloys and Compounds</i> , 2009, 478, 260-264.	2.8	32
58	Nanocrystalline NiAl Coating Prepared by HVOF Thermal Spraying. <i>Journal of Thermal Spray Technology</i> , 2011, 20, 440-446.	1.6	31
59	Synthesis and characterization of TiO ₂ /acrylic acid-co-2-acrylamido-2-methyl propane sulfonic acid nanogel composite and investigation its self-healing performance in the epoxy coatings. <i>Colloid and Polymer Science</i> , 2020, 298, 213-223.	1.0	31
60	In situ synthesis mechanism of Al ₂ O ₃ -Mo nanocomposite by ball milling process. <i>Journal of Alloys and Compounds</i> , 2009, 477, 692-695.	2.8	30
61	On the crystallization behavior of amorphous Fe-Cr-Mo-B-P-Si-C powder prepared by mechanical alloying. <i>Materials Letters</i> , 2010, 64, 1055-1058.	1.3	30
62	Austenite formation and mechanical properties of a cold rolled ferrite-martensite structure during intercritical annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 682, 296-303.	2.6	28
63	Mechanochemically synthesized Fe ₃ Al-Al ₂ O ₃ nanocomposite. <i>Journal of Alloys and Compounds</i> , 2009, 467, 159-162.	2.8	27
64	The structure and mechanical properties of Fe ₃ Al-30vol.% Al ₂ O ₃ nanocomposite. <i>Journal of Alloys and Compounds</i> , 2009, 488, 134-137.	2.8	27
65	Fabrication and characterization of nanostructured Ti ₆ Al ₄ V powder from machining scraps. <i>Advanced Powder Technology</i> , 2010, 21, 336-340.	2.0	27
66	Influence of annealing temperature on the structure and properties of the nanograined NiAl intermetallic coatings produced by using mechanical alloying. <i>Surface and Coatings Technology</i> , 2013, 217, 64-69.	2.2	27
67	The effect of slip casting parameters on the green density of MgAl ₂ O ₄ spinel. <i>Ceramics International</i> , 2017, 43, 6069-6074.	2.3	27
68	Ball milling of stainless steel scrap chips to produce nanocrystalline powder. <i>Journal of Materials Science</i> , 2007, 42, 2844-2848.	1.7	26
69	Thermodynamic analysis of solid solution formation in the nanocrystalline Fe-Ti-Al ternary system during mechanical alloying. <i>Journal of Chemical Thermodynamics</i> , 2013, 59, 243-249.	1.0	25
70	Microstructures and properties of NiAl-TiC nanocomposite coatings on carbon steel surfaces produced by mechanical alloying technique. <i>Surface and Coatings Technology</i> , 2014, 238, 180-187.	2.2	25
71	Development of surface composite based on Mg-Al-Ni system on AZ31 magnesium alloy and evaluation of formation mechanism. <i>Journal of Alloys and Compounds</i> , 2015, 623, 335-341.	2.8	25
72	Improvement in tribological properties of HVOF sprayed WC-Co coatings using electroless Ni-P coated feedstock powders. <i>Surface and Coatings Technology</i> , 2013, 235, 310-317.	2.2	24

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73	Investigation of Ni nanocrystallization and the effect of Al ₂ O ₃ addition by high-energy ball milling. Journal of Materials Processing Technology, 2008, 204, 125-129.	3.1	23
74	Thermal Stability Study of Ultrafine Grained 304L Stainless Steel Produced by Martensitic Process. Journal of Materials Engineering and Performance, 2014, 23, 1665-1672.	1.2	23
75	Thermodynamic analysis of (Ni, Fe) ₃ Al formation by mechanical alloying. Journal of Chemical Thermodynamics, 2012, 54, 406-411.	1.0	21
76	Kinetic analysis of thermite reaction in Al-Ti-Fe ₂ O ₃ system to produce (Fe,Ti) ₃ Al-Al ₂ O ₃ nanocomposite. Powder Technology, 2014, 253, 553-560.	2.1	21
77	Evaluating oxidation behavior of amorphous aluminum phosphate coating. Applied Surface Science, 2018, 455, 821-830.	3.1	21
78	Plasma Spray Coatings of Ni-Al-SiC Composite. Journal of Thermal Spray Technology, 2009, 18, 284-291.	1.6	20
79	Mechanical alloying behavior of Ti6Al4V residual scraps with addition of Al ₂ O ₃ to produce nanostructured powder. Materials & Design, 2010, 31, 3954-3959.	5.1	20
80	Microstructural evolution of nanosized tungsten carbide during heatup stage of sintering of electroless nickel-coated nanostructured WC-Co powder. Ceramics International, 2014, 40, 11031-11039.	2.3	20
81	Microstructural and wear characteristics of HVOF-sprayed nanocrystalline NiAl coating. Wear, 2014, 309, 192-199.	1.5	20
82	Recrystallisation mechanism during friction stir welding of ultrafine- and coarse-grained AISI 304L stainless steel. Science and Technology of Welding and Joining, 2016, 21, 287-294.	1.5	20
83	Nanocrystalline intermetallic compounds in the Ni-Al-Cr system synthesized by mechanical alloying and their thermodynamic analysis. Journal of Alloys and Compounds, 2013, 581, 91-100.	2.8	19
84	The structure and thermal stability of mechanically alloyed Ni-Nb-Zr amorphous alloys. Journal of Materials Science, 2002, 37, 5255-5259.	1.7	18
85	Characterisation and corrosion properties of novel hydroxyapatite niobium plasma sprayed coating. Surface Engineering, 2009, 25, 338-342.	1.1	18
86	Mechanochemical synthesis of Al ₂ O ₃ /Co nanocomposite by aluminothermic reaction. Advanced Powder Technology, 2012, 23, 334-337.	2.0	18
87	Development of NiFe-CNT and Ni ₃ Fe-CNT nanocomposites by mechanical alloying. Advanced Powder Technology, 2012, 23, 338-342.	2.0	18
88	Microstructural Evolution and Recrystallization Kinetics of a Cold-Rolled, Ferrite-Martensite Structure During Intercritical Annealing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 3271-3276.	1.1	18
89	The effect of slip casting and spark plasma sintering (SPS) temperature on the transparency of MgAl ₂ O ₄ spinel. Ceramics International, 2018, 44, 3536-3540.	2.3	18
90	Wear behaviour of Al ₂ O ₃ nanocomposites prepared by mechanical alloying and hot pressing. Materials Science and Technology, 2010, 26, 1114-1119.	0.8	17

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91	Development of Al ₃₅₆ -Al ₂ O ₃ Nanocomposite Coatings by High Velocity Oxy-fuel Technique. Journal of Materials Science and Technology, 2013, 29, 813-820.	5.6	17
92	Photovoltaic Characterization and Electrochemical Impedance Spectroscopy Analysis of Dye-Sensitized Solar Cells Based on Composite TiO ₂ -MWCNT Photoelectrodes. Journal of Electronic Materials, 2014, 43, 1450-1459.	1.0	17
93	Mechanical and tribological behavior of severely plastic deformed Al6061 at cryogenic temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 683, 56-63.	2.6	17
94	Amorphization and nanocrystallization of Ni-Nb-Si Alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 682, 396-401.	2.6	17
95	Development of Fe ₃ C, SiC and Al ₄ C ₃ compounds during mechanical alloying. Journal of Materials Science, 2007, 42, 5911-5914.	1.7	16
96	Thermal spray coatings of Ni-10 wt-%Al composite powder synthesised by low energy mechanical milling. Surface Engineering, 2009, 25, 276-283.	1.1	16
97	Study on nanocrystallization and amorphization in Fe-Cr-Mo-B-P-Si-C system during mechanical alloying. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 172, 50-54.	1.7	16
98	Wear characteristics of functionally graded nanocrystalline Ni-P coatings. Surface Engineering, 2015, 31, 693-700.	1.1	16
99	Structural evolution and grain growth kinetics during isothermal heat treatment of nanostructured Al6061. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 525, 107-111.	2.6	15
100	Thermodynamic Aspects of Nanostructured CoAl Intermetallic Compound during Mechanical Alloying. Journal of Materials Science and Technology, 2011, 27, 601-606.	5.6	15
101	Synthesis of Nanocrystalline (Fe,Cr) ₃ Al Powder by Mechanical Alloying. Materials and Manufacturing Processes, 2012, 27, 467-471.	2.7	15
102	Investigation of amorphous phase formation in Fe-Co-Si-B-P - Thermodynamic analysis and comparison between mechanical alloying and rapid solidification experiments. Journal of Alloys and Compounds, 2017, 705, 462-467.	2.8	15
103	Thermal stability evaluation of nanostructured Al6061 alloy produced by cryorolling. Transactions of Nonferrous Metals Society of China, 2017, 27, 754-762.	1.7	15
104	Enhancing surface properties of (Fe,Cr)Al-Al ₂ O ₃ nanocomposite by oxygen ion implantation. Journal of Alloys and Compounds, 2021, 853, 156892.	2.8	15
105	The effect of Ti addition on alloying and formation of nanocrystalline structure in Fe-Al system. Journal of Materials Science, 2010, 45, 4058-4062.	1.7	14
106	Novel artificial neural network model for evaluating hardness of stir zone of submerge friction stir processed Al 6061-T6 plate. Materials Science and Technology, 2011, 27, 990-995.	0.8	14
107	In-Situ Synthesis of Alumina Reinforced (Fe,Cr) ₃ Al Intermetallic Matrix Nanocomposite. Materials and Manufacturing Processes, 2012, 27, 1348-1353.	2.7	14
108	Synthesis of (Fe,Cr) ₃ Al-Al ₂ O ₃ nanocomposite through mechanochemical combustion reaction induced by ball milling of Cr, Al and Fe ₂ O ₃ powders. Advanced Powder Technology, 2014, 25, 408-414.	2.0	14

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109	Amorphous phase formation in Al ₈₀ Fe ₁₀ M ₁₀ (M= Ni, Ti, and V) ternary systems by mechanical alloying. Journal of Materials Science, 2011, 46, 7633-7638.	1.7	13
110	Synthesis and structural characterization of nanocrystalline (Ni, Fe) ₃ Al intermetallic compound prepared by mechanical alloying. Advanced Powder Technology, 2012, 23, 284-289.	2.0	13
111	Synthesis of Cu-Zr-Al/Al ₂ O ₃ amorphous nanocomposite by mechanical alloying. Advanced Powder Technology, 2014, 25, 519-523.	2.0	13
112	Investigating the Properties of Friction Welded 2014 Aluminum Joints Prepared with Different Rotational Speeds. Transactions of the Indian Institute of Metals, 2015, 68, 479-489.	0.7	13
113	Study on corrosion behaviour of nanocrystalline and amorphous Co-P electrodeposits. Transactions of the Institute of Metal Finishing, 2010, 88, 324-329.	0.6	12
114	In-situ fabrication of Al ₃ V/Al ₂ O ₃ nanocomposite through mechanochemical synthesis and evaluation of its mechanism. Advanced Powder Technology, 2013, 24, 106-112.	2.0	12
115	Formation and characterization of amorphous-nanocrystalline Al ₈₀ Fe ₁₀ M ₁₀ [M=Fe, Nb, Ti, Ni, (Ni _{0.5} Ti _{0.5})] alloys. Journal of Alloys and Compounds, 2013, 551, 584-590.	2.8	12
116	Synthesis and characterisation of nanostructured Al ₃ V and Al ₃ V ₂ O ₃ composites by powder metallurgy. Materials Science and Technology, 2018, 34, 179-190.	0.8	12
117	On structure and oxidation behaviour of non-stoichiometric amorphous aluminium phosphate coating. Surface Engineering, 2019, 35, 670-676.	1.1	12
118	Formation and crystallization of an amorphous Al ₈₀ Fe ₁₀ Ti ₅ Ni ₃ B ₂ alloy. Metals and Materials International, 2011, 17, 853-856.	1.8	11
119	Crystallization behavior, soft magnetism and nanoindentation of Fe-Si-B-P-Cu alloy on Ni substitution. Journal of Alloys and Compounds, 2021, 851, 156727.	2.8	11
120	FABRICATION OF ALUMINUM MATRIX HYBRID NANOCOMPOSITE BY MECHANICAL MILLING. International Journal of Modern Physics B, 2009, 23, 4825-4832.	1.0	10
121	Characterisation of <i>in situ</i> Al-Ti ₂ nanocomposite powder synthesised by mechanical alloying. Powder Metallurgy, 2011, 54, 46-49.	0.9	10
122	FABRICATION AND CHARACTERIZATION OF AL-AL ₄ C ₃ NANOCOMPOSITE BY MECHANICAL ALLOYING. International Journal of Modern Physics Conference Series, 2012, 05, 480-487.	0.7	10
123	Comparative Study of Mechanical Alloying Induced Nanocrystallization and Amorphization in Ni-Nb and Ni-Zr Systems. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 3984-3998.	1.1	10
124	Influence of Nickel-Coated Nanostructured WC-Co Powders on Microstructural and Tribological Properties of HVOF Coatings. Journal of Thermal Spray Technology, 2014, 23, 1456-1469.	1.6	10
125	Grain size stability in a cryomilled nanocrystalline Al alloy powders containing diamantane nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 746, 290-299.	2.6	10
126	Amorphization of Ni ₆₀ Nb ₂₀ Zr ₂₀ by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 812-814.	2.6	9

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127	The effect of type of atmospheric gas on milling behavior of nanostructured Ti6Al4V alloy. <i>Advanced Powder Technology</i> , 2012, 23, 264-267.	2.0	9
128	Kinetic study of non-isothermal crystallization in Al ₈₀ Fe ₁₀ Ti ₅ Ni ₅ metallic glass. <i>Metals and Materials International</i> , 2013, 19, 901-906.	1.8	9
129	Ferrite-Martensite Band Formation During the Intercritical Annealing. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 349-358.	1.2	9
130	On the glass forming ability (GFA), crystallization behavior and soft magnetic properties of nanomet-substituted alloys. <i>Journal of Non-Crystalline Solids</i> , 2020, 529, 119774.	1.5	9
131	Mechanical Alloying of Ni-Nb Alloys. <i>Materials Science Forum</i> , 1997, 235-238, 85-90.	0.3	8
132	Investigation of the effects of grain size and nano-sized reinforcements on tribological properties of Ti6Al4V alloy. <i>Wear</i> , 2013, 305, 51-57.	1.5	8
133	Novel Investigation on Nanostructured Multilayer and Functionally Graded Ni-P Electroless Coatings on Stainless Steel. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2373-2381.	1.2	8
134	Synthesis and characterization of sol-gel derived non-stoichiometric aluminum phosphate coating. <i>Surface and Coatings Technology</i> , 2018, 351, 128-135.	2.2	8
135	Non-isothermal nanocrystallization of Fe _{83.3} Si ₄ B ₈ P ₄ Cu _{0.7} (NANOMET [®]) alloy: modeling and the heating rate effect on magnetic properties. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 215002.	1.3	8
136	Crystallisation process of Al ₈₀ Fe ₁₀ Ti ₁₀ amorphous phase. <i>Powder Metallurgy</i> , 2011, 54, 445-449.	0.9	7
137	Non-isothermal nano-crystallization kinetics in amorphous Ni ₅₅ Nb ₃₅ Si ₁₀ alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2019, 29, 358-364.	1.7	7
138	Nanoindentation behavior of nanostructured bulk (Fe,Cr)Al and (Fe,Cr)Al-Al ₂ O ₃ nanocomposites. <i>Journal of Alloys and Compounds</i> , 2019, 792, 348-356.	2.8	7
139	Quantification of the anomalous crystallization and soft magnetic properties of Fe ⁶⁴ Si ¹⁶ B ¹⁶ P ⁴ Cu (Nanomet) by isothermal calorimetry. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154705.	2.8	7
140	SYNTHESIS AND CHARACTERIZATION OF NANOCRYSTALLINE FeNi AND Ni ₃ Fe ALLOYS. <i>International Journal of Modern Physics B</i> , 2011, 25, 1013-1019.	1.0	6
141	Nanocrystalline Al/Al ₁₂ (Fe,V) ₃ Si alloy prepared by mechanical alloying: Synthesis and thermodynamic analysis. <i>Advanced Powder Technology</i> , 2014, 25, 1483-1491.	2.0	6
142	A novel approach for mechanical alloying amorphisation in magnetic Fe ⁶⁴ Co alloy system. <i>Materials Research Express</i> , 2019, 6, 076575.	0.8	6
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