

Marek Krasnowski

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nanocrystalline FeAl intermetallic produced by mechanical alloying followed by hot-pressing consolidation. <i>Intermetallics</i> , 2007, 15, 201-205.	1.8	89
2	Phase transformations during mechanical alloying of Fe-50% Al and subsequent heating of the milling product. <i>Journal of Alloys and Compounds</i> , 2006, 424, 119-127.	2.8	83
3	Nanocrystalline FeAl matrix composites reinforced with TiC obtained by hot-pressing consolidation of mechanically alloyed powders. <i>Intermetallics</i> , 2007, 15, 1377-1383.	1.8	70
4	The FeAl-30%TiC nanocomposite produced by mechanical alloying and hot-pressing consolidation. <i>Intermetallics</i> , 2002, 10, 371-376.	1.8	67
5	Nanocrystalline Al-Fe intermetallics - light weight alloys with high hardness. <i>Intermetallics</i> , 2010, 18, 47-50.	1.8	60
6	Nanocrystalline and amorphous Al-Fe alloys containing 60-85% of Al synthesised by mechanical alloying and phase transformations induced by heating of milling products. <i>Materials Chemistry and Physics</i> , 2009, 116, 631-637.	2.0	45
7	Nanocomposites obtained by mechanical alloying in Fe-Al-Ti-C system. <i>Journal of Alloys and Compounds</i> , 2008, 448, 227-233.	2.8	28
8	Bulk amorphous Al ₈₅ Fe ₁₅ alloy and Al ₈₅ Fe ₁₅ -B composites with amorphous or nanocrystalline-matrix produced by consolidation of mechanically alloyed powders. <i>Intermetallics</i> , 2011, 19, 1243-1249.	1.8	28
9	Nanocrystalline NiAl intermetallic alloy with high hardness produced by mechanical alloying and hot-pressing consolidation. <i>Advanced Powder Technology</i> , 2019, 30, 1312-1318.	2.0	26
10	Nanocrystalline or amorphous matrix Al ₆₀ Fe ₁₅ Ti ₁₅ (Co/Mg/Zr) ₅ -5%B composites produced by consolidation of mechanically alloyed powders - lightweight materials with high hardness. <i>Intermetallics</i> , 2012, 28, 120-127.	1.8	19
11	Nanocrystalline Al ₃ Ni ₂ alloy with high hardness produced by mechanical alloying and high-pressure hot-pressing consolidation. <i>Intermetallics</i> , 2013, 42, 35-40.	1.8	19
12	Al ₃ Ni ₂ -Al composites with nanocrystalline intermetallic matrix produced by consolidation of milled powders. <i>Advanced Powder Technology</i> , 2014, 25, 1362-1368.	2.0	18
13	Structural investigations of the Al ₅₀ Fe ₂₅ Ti ₂₅ powder mixture mechanically alloyed under various conditions. <i>Journal of Alloys and Compounds</i> , 2001, 319, 296-302.	2.8	17
14	Phase transformations during mechanical alloying and subsequent heating of Fe Al B powders. <i>Journal of Alloys and Compounds</i> , 2017, 706, 110-115.	2.8	17
15	Nanocrystalline γ_2 phase obtained by mechanical alloying of Al ₆₀ Fe ₁₅ Si ₁₅ Ti ₁₀ powder mixture followed by consolidation. <i>Journal of Alloys and Compounds</i> , 2009, 483, 186-189.	2.8	16
16	Nanocrystalline matrix Al ₃ Ni ₂ -Al-Al ₃ Ni composites produced by reactive hot-pressing of milled powders. <i>Intermetallics</i> , 2014, 54, 193-198.	1.8	15
17	Ti-C-Al composites with nanocrystalline matrix produced by consolidation of milled powders. <i>Advanced Powder Technology</i> , 2015, 26, 1269-1272.	2.0	14
18	Electron Microscopy Characterization of Cu-Fe and Ag-Fe Alloys Obtained by Plastic Deformation. <i>Materials Science Forum</i> , 1995, 195, 13-18.	0.3	12

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19	Nanocrystalline Ni ₃ Al intermetallic produced by hot-pressing consolidation of mechanically alloyed powders. Intermetallics, 2013, 42, 41-44.	1.8	12
20	FeAl-B composites with nanocrystalline matrix produced by consolidation of mechanically alloyed powders. Journal of Alloys and Compounds, 2019, 791, 75-80.	2.8	11
21	Nanocomposites produced by mechanical alloying of the Al ₅₀ -Fe ₂₅ -Ti ₂₅ powders mixture. Scripta Materialia, 1999, 12, 455-458.	0.5	10
22	Bulk amorphous and nanocrystalline Al ₈₃ Fe ₁₇ alloys prepared by consolidation of mechanically alloyed amorphous powder. Journal of Alloys and Compounds, 2010, 495, 382-385.	2.8	10
23	Mechanically Alloyed Nanocrystalline Intermetallic Matrix Composites Reinforced with Alumina. Materials Science Forum, 2001, 360-362, 235-240.	0.3	9
24	Nanocrystalline matrix TiCâ€“Al ₃ Ti and TiCâ€“Al ₃ Tiâ€“Al composites produced by reactive hot-pressing of milled powders. Advanced Powder Technology, 2014, 25, 1082-1086.	2.0	9
25	Nanocrystalline Ni ₃ Al-based alloys obtained by recycling of aluminium scraps via mechanical alloying and consolidation. Advanced Powder Technology, 2016, 27, 305-311.	2.0	9
26	Electron Microscopy Investigation on the Effect of Plastic Deformation in the Alloying of the Immiscible System Cu-Fe. Microscopy Microanalysis Microstructures, 1995, 6, 601-609.	0.4	9
27	Changes in distributions of grain boundary diffusion properties after grain growth in austenitic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 112, 199-204.	2.6	7
28	NiAl-B composites with nanocrystalline intermetallic matrix produced by mechanical alloying and consolidation. Advanced Powder Technology, 2019, 30, 2742-2750.	2.0	7
29	Structural and morphological properties of in-situ PLD YBCO/STO/YBCO trilayer. Superlattices and Microstructures, 1997, 21, 487-491.	1.4	6
30	Synthesis of FeAl-TiN Nanocomposite by Mechanical Alloying of Al-Fe-Ti Powder Mixture under Nitrogen Atmosphere. Materials Science Forum, 2001, 360-362, 433-438.	0.3	6
31	Nanocrystalline Al ₅ Fe ₂ intermetallic and Al ₅ Fe ₂ â€“Al composites manufactured by high-pressure consolidation of milled powders. Journal of Alloys and Compounds, 2016, 656, 82-87.	2.8	6
32	Characterization of Al ₂ O ₃ Samples and NiAlâ€“Al ₂ O ₃ Composite Consolidated by Pulse Plasma Sintering. Materials, 2021, 14, 3398.	1.3	6
33	Ti-Y ₂ O ₃ Composites with Nanocrystalline and Microcrystalline Matrix. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 1376-1381.	1.1	5
34	Structure, thermal stability and magnetic properties of mechanically alloyed (Fe-Al)-30vol%B powders. Journal of Alloys and Compounds, 2019, 776, 215-223.	2.8	5
35	Characterization of Al ₂ O ₃ Matrix Composites Fabricated via the Slip Casting Method Using NiAl-Al ₂ O ₃ Composite Powder. Materials, 2022, 15, 2920.	1.3	4
36	Nanocrystalline Ni ₃ Al-based alloys produced by mechanical alloying of Ni-Al-Co powders and consolidation. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1384-1387.	0.8	3

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37	Crystallisation of Amorphous $\text{Al}_{60}\text{Fe}_{20}\text{Ti}_{15}\text{Ni}_5$ Alloy Produced by Mechanical Alloying. Solid State Phenomena, 0, 163, 243-246.	0.3	3
38	Bulk amorphous and nanocrystalline $\text{Al}_{60}\text{Fe}_{20}\text{Ti}_{20}$ and $\text{Al}_{65}\text{Fe}_{18}\text{Ti}_{12}\text{Ni}_5$ alloys. Materials Letters, 2019, 239, 113-115.	1.3	3
39	Analysis of the mechanically alloyed $\text{Fe}_{85}\text{Nb}_{10}$ powder using a non-unique lattice parameter. Journal of Non-Crystalline Solids, 2008, 354, 5132-5134.	1.5	2
40	Pulse Plasma Sintering of $\text{NiAl-Al}_2\text{O}_3$ Composite Powder Produced by Mechanical Alloying with Contribution of Nanometric Al_2O_3 Powder. Materials, 2022, 15, 407.	1.3	2
41	Structural Investigations of the TiC-Fe(Al) Nanocomposite Formed by Mechanical Alloying. Journal of Metastable and Nanocrystalline Materials, 2000, 8, 302-307.	0.1	0
42	Synthesis of FeAl-TiN Nanocomposite by Mechanical Alloying of Al-Fe-Ti Powder Mixture under Nitrogen Atmosphere. Journal of Metastable and Nanocrystalline Materials, 2001, 10, 433-438.	0.1	0
43	Phase Transformation in Al_{3}Ni_2 Alloy during Mechanical Alloying and Heating of Milling Products. Solid State Phenomena, 2013, 203-204, 272-275.	0.3	0
44	$\text{Al}_{13}\text{Fe}_4\text{-Al}$ Composites with Nanocrystalline Matrix Manufactured by Hot-Pressing of Milled Powders. Materials, 2022, 15, 4241.	1.3	0