

Joan Josep Suñol

List of Publications by Year in descending order

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257
papers

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196777

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#	ARTICLE	IF	CITATIONS
1	Microstructure characterization, structure and magnetic properties of Ni ₄₀ Mn ₄₀ Sn shape memory alloys. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 2147-2154.	2.0	9
2	Morphological, Structural and Hydrogen Storage Properties of LaCrO ₃ Perovskite-Type Oxides. <i>Energies</i> , 2022, 15, 1463.	1.6	14
3	APPS IN PHYSICS COURSES: THE PERCEPTION OF STUDENTS. <i>INTED Proceedings</i> , 2022, , .	0.0	0
4	Synthesis, characterization and amorphization of mechanically alloyed Fe ₇₅ Si ₁₂ Ti ₆ B ₇ and Fe ₇₃ Si ₁₅ Ti ₅ B ₇ powders. <i>Journal of Materials Science</i> , 2022, 57, 12600-12615.	1.7	5
5	An analysis of teamwork based on self and peer evaluation in higher education. <i>Assessment and Evaluation in Higher Education</i> , 2021, 46, 191-207.	3.9	25
6	Microstructure, Magnetic and Mössbauer Studies of Mechanically Alloyed FeCoNi Nanocrystalline Powders. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 5633-5643.	1.7	10
7	Fe-X-B-Cu (X = Nb, NiZr) Alloys Produced by Mechanical Alloying: Influence of Milling Device. <i>Metals</i> , 2021, 11, 379.	1.0	4
8	DESIGN OF A RUBRIC FOR GRADING PROBLEM-BASED LEARNING AT THE FACULTY OF MEDICINE OF THE UNIVERSITY OF GIRONA. <i>INTED Proceedings</i> , 2021, , .	0.0	0
9	BLENDED LEARNING: APPLICATION DURING PANDEMIC. <i>INTED Proceedings</i> , 2021, , .	0.0	0
10	Structure, Microstructure, and Magnetic Properties of Melt Spun Ni ₅₀ Mn _{50-x} In _x Ribbons. <i>Magnetochemistry</i> , 2021, 7, 63.	1.0	2
11	Mechanical Alloying: Processing and Materials. <i>Metals</i> , 2021, 11, 798.	1.0	7
12	Martensitic transformation, magnetic and magnetocaloric properties of Ni ₄₀ Mn ₄₀ Fe ₂₀ Sn Heusler ribbons. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1091-1103.	2.6	18
13	Characterization and thermal analysis of new amorphous Co ₆₀ Fe ₁₈ Ta ₈ B ₁₄ alloy produced by mechanical alloying. <i>Materials Letters</i> , 2021, 292, 129532.	1.3	8
14	FLIPPED CLASSROOM: PHYSICS FOR ENGINEERS. <i>EDULEARN Proceedings</i> , 2021, , .	0.0	0
15	Structural, Thermal and Magnetic Analysis of Fe ₇₅ Co ₁₀ Nb ₆ B ₉ and Fe ₆₅ Co ₂₀ Nb ₆ B ₉ Nanostructured Alloys. <i>Materials</i> , 2021, 14, 4542.	1.3	8
16	Synthesis, crystal structure, Hirshfeld surface analysis and DFT calculations of a new benzidinium phosphate. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108905.	1.8	5
17	Microstructural and Magnetic Behavior of Nanocrystalline Fe-12Ni-16B-2Si Alloy Synthesis and Characterization. <i>Metals</i> , 2021, 11, 1679.	1.0	6
18	Characterization and Analysis of Nanocrystalline Soft Magnetic Alloys: Fe Based. <i>Metals</i> , 2021, 11, 1896.	1.0	3

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19	Ni-Mn-Sn-Cu Alloys after Thermal Cycling: Thermal and Magnetic Response. <i>Materials</i> , 2021, 14, 6851.	1.3	4
20	Structural, magnetic and thermal characterization of Fe ₅₀ Se ₅₀ powders obtained by mechanical alloying. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 53-62.	2.0	3
21	Thermal and structural analysis of Ni ₅₀ Mn ₅₀ ~xIn _x shape memory alloys. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3065-3072.	2.0	3
22	Azo-dye degradation by Mn-Al powders. <i>Journal of Environmental Management</i> , 2020, 258, 110012.	3.8	10
23	Martensitic Transformation and Crystalline Structure of Ni ₅₀ Mn ₅₀ ~xSn _x Melt-Spun Heusler Alloys. <i>Crystals</i> , 2020, 10, 853.	1.0	2
24	High-Entropy FeCoNiB _{0.5} Si _{0.5} Alloy Synthesized by Mechanical Alloying and Spark Plasma Sintering. <i>Crystals</i> , 2020, 10, 929.	1.0	11
25	Effects of the Addition of Fe, Co on the Azo Dye Degradation Ability of Mn-Al Mechanically Alloyed Powders. <i>Metals</i> , 2020, 10, 1578.	1.0	6
26	Martensitic Transformation, Thermal Analysis and Magnetocaloric Properties of Ni-Mn-Sn-Pd Alloys. <i>Processes</i> , 2020, 8, 1582.	1.3	8
27	Investigation of the Critical Behavior, Magnetocaloric Effect and Hyperfine Structure in the Fe ₇₂ Nb ₈ B ₂₀ Powders. <i>Materials</i> , 2020, 13, 4476.	1.3	5
28	The Effect of B and Si Additions on the Structural and Magnetic Behavior of Fe-Co-Ni Alloy Prepared by High-energy Mechanical Milling. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 2727-2735.	0.8	6
29	Structure, Magnetocaloric Effect and Critical Behaviour in Ni ₅₀ Mn ₃₀ (Sn,In) ₂₀ Heusler Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 2209-2218.	0.8	4
30	Magnetic properties, martensitic and magnetostructural transformations of ferromagnetic Ni~Mn~Sn~Cu shape memory alloys. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	13
31	Effect of the Boron Content on the Amorphization Process and Magnetic Properties of the Mechanically Alloyed Fe ₉₂ ~xNb ₈ B _x Powders. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 893-901.	0.8	10
32	Optical and electrical properties of Li ₂ WO ₄ compound. <i>Phase Transitions</i> , 2019, 92, 737-754.	0.6	6
33	NiMn-based Heusler magnetic shape memory alloys: a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 2761-2772.	1.5	60
34	Impact of annealing on martensitic transformation of Mn ₅₀ Ni _{42.5} Sn _{7.5} shape memory alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	5
35	Martensitic transformation and magnetic behavior in Mn-rich Heusler MnNiIn shape memory alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 504, 012009.	0.3	1
36	Structural, microstructural and thermal properties of nanostructured Fe ₆₀ Al ₃₅ Sn ₅ alloy synthesized by mechanical alloying. <i>Materials Characterization</i> , 2019, 148, 272-279.	1.9	12

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37	Critical behavior, magnetic and magnetocaloric properties of melt-spun Ni ₅₀ Mn ₃₅ Sn ₁₅ ribbons. Journal of Alloys and Compounds, 2018, 735, 1662-1672.	2.8	10
38	Application of mechanically alloyed MnAl particles to de-colorization of azo dyes. Journal of Alloys and Compounds, 2018, 741, 240-245.	2.8	13
39	Effect of cobalt doping on martensitic transformations and the magnetic properties of Ni ₅₀ Co _x Mn ₃₇ Sn ₁₃ (x= 1, 2, 3) Heusler ribbons. Journal of Alloys and Compounds, 2018, 739, 305-310.	2.8	13
40	Phase transition, impedance spectroscopy and conduction mechanism of Li _{0.5} Na _{1.5} WO ₄ material. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 102, 137-145.	1.3	13
41	Thermal stability of the nanocrystalline Fe-8P (wt.%) powder produced by ball milling. Phosphorus, Sulfur and Silicon and the Related Elements, 2018, 193, 500-506.	0.8	4
42	Using peer assessment to evaluate teamwork from a multidisciplinary perspective. Assessment and Evaluation in Higher Education, 2018, 43, 14-30.	3.9	12
43	Structural and magnetic behavior of Fe(Nb,Zr) rich alloys produced by mechanical alloying. AIP Advances, 2018, 8, .	0.6	9
44	X-ray diffraction, Mössbauer spectrometry and thermal studies of the mechanically alloyed (Fe _{1-x} Mn) _x Ti ₂ ETQq0.0.0 rgBT /Overlock 1	2.0	5
45	Dealloying of Cu-Mg-Ca Alloys. Metals, 2018, 8, 919.	1.0	7
46	Crystal structure, vibrational studies and optical properties of a new organic phosphate (C ₁₂ H ₁₄ N ₂ S)(H ₂ PO ₄) ₂ . Journal of Molecular Structure, 2018, 1173, 448-455.	1.8	10
47	Structural, thermal and hyperfine properties of Fe ₇₅ Se ₂₅ powders prepared by mechanical alloying. Materials Chemistry and Physics, 2018, 217, 477-485.	2.0	2
48	Thermal analysis of Mn ₅₀ Ni _{50-x} (Sn, In) _x Heusler shape memory alloys. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1277-1284.	2.0	8
49	Thermal and microstructural properties of paraffin/diatomite composite. Vacuum, 2018, 157, 136-144.	1.6	34
50	DIMENSIONAL ANALYSIS WITH MOBILE APPLICATIONS. INTED Proceedings, 2018, , .	0.0	0
51	Tailoring of Soft Magnetic Properties and High Frequency Giant Magnetoimpedance in Amorphous Ribbons. Springer Series in Materials Science, 2017, , 33-52.	0.4	1
52	Rapid degradation of azo-dye using Mn-Al powders produced by ball-milling. RSC Advances, 2017, 7, 12620-12628.	1.7	31
53	Magnetic and Structural Properties of the Nanostructured Cu ₅₀ Ni ₅₀ Powders. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1927-1935.	0.8	18
54	Effect of Amorphization Degree on Mechanical and Microstructural Properties of Portland Cement Paste. Journal of Materials in Civil Engineering, 2017, 29, 04017019.	1.3	2

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55	Effect of the Mn/Fe Ratio on the Microstructure and Magnetic Properties in the Powder Form (Fe _{1-x} Mn _x) Journal of Alloys and Compounds, 2017, 729, 776-786.	0.8	4
56	The magnetic and structural properties of nanostructured (Fe ₇₅ Al ₂₅) _{100-x} B _x alloys prepared by mechanical alloying. Journal of Alloys and Compounds, 2017, 729, 776-786.	2.8	10
57	The effect of prolonged mechanical activation duration on the reactivity of Portland cement: Effect of particle size and crystallinity changes. Construction and Building Materials, 2017, 152, 1041-1050.	3.2	16
58	Investigation of the critical behavior and magnetocaloric properties in the nanocrystalline CuNi powders. Journal of Magnetism and Magnetic Materials, 2017, 444, 54-60.	1.0	10
59	High efficiency decolorization of azo dye Reactive Black 5 by Ca-Al particles. Journal of Environmental Chemical Engineering, 2017, 5, 6107-6113.	3.3	15
60	Morphology and structure effect of B additive on the solid-state reaction between Ti and Al powders during mechanical alloying. International Journal of Advanced Manufacturing Technology, 2017, 93, 2647-2653.	1.5	1
61	The role of silicon on the microstructure and magnetic behaviour of nanostructured (Fe _{0.7} Co _{0.3}) _{100-x} Si _x powders. Journal of Magnetism and Magnetic Materials, 2017, 422, 149-156.	1.0	10
62	Structural and martensitic transformation of MnNiSn shape memory alloys. International Journal of Advanced Manufacturing Technology, 2017, 90, 291-298.	1.5	8
63	Structural characterization, vibrational study, NLO and DFT calculations of a novel organic sulfate monohydrate templated with (S)-(-)-2,6-diammonium-4,5,6,7-tetrahydrobenzothiazole. Journal of Molecular Structure, 2017, 1128, 544-551.	1.8	3
64	Nanofibrillated cellulose as nanoreinforcement in Portland cement: Thermal, mechanical and microstructural properties. Journal of Composite Materials, 2017, 51, 2491-2503.	1.2	76
65	Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. Crystals, 2017, 7, 41.	1.0	64
66	LEARNING STEM WITH MOBILE TECHNOLOGY: EXPERIENCES AND EXAMPLES OF PHYSICS, MATH, CALCULATOR (WITH YOUR FINGERTIPS)!. INTED Proceedings, 2017, , .	0.0	0
67	Synthesis and Characterization of Nanocrystalline Al-20 at. % Cu Powders Produced by Mechanical Alloying. Metals, 2016, 6, 145.	1.0	20
68	Morphology, structural and thermal characterization of nanocrystalline Ni ₅₀ Cu ₃₀ (Fe ₂ B) ₁₀ P ₁₀ powders prepared by mechanical alloying. European Physical Journal Plus, 2016, 131, 1.	1.2	0
69	Magnetic and microstructural properties of nanocrystalline Fe-25 at% Al and Fe-25 at% Al +0.2 at%B alloys prepared by mechanical alloying process. European Physical Journal Plus, 2016, 131, 1.	1.2	2
70	Mössbauer and X-ray studies of mechanically alloyed Fe ₆₀ Ni ₃₀ Cr ₁₀ prepared by high energy ball milling. Advanced Powder Technology, 2016, 27, 1618-1624.	2.0	4
71	Investigation of the enthalpy/entropy variation and structure of Ni-Mn-Sn (Co, In) melt-spun alloys. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1463-1468.	2.0	8
72	Structural and thermal study of nanostructured Cr ₈₀ Co ₁₀ Si ₁₀ mixture. Advanced Powder Technology, 2016, 27, 1663-1668.	2.0	0

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73	Effect of boron addition on structural and magnetic properties of nanostructured Fe ₇₅ Al ₂₅ alloy prepared by high energy ball milling. <i>Materials Letters</i> , 2016, 181, 21-24.	1.3	10
74	Peer and self-assessment applied to oral presentations from a multidisciplinary perspective. <i>Assessment and Evaluation in Higher Education</i> , 2016, 41, 622-637.	3.9	30
75	Microstructure and Magnetic Properties of NiP Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 1001-1011.	0.8	18
76	A study of densification and phase transformations of nanocomposite Cu-Fe prepared by mechanical alloying and consolidation process. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 981-987.	1.5	9
77	Structural and thermal characterizations of the solid-state reaction between Ni, Al, and Ti powders during mechanical alloying. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 721-727.	2.0	1
78	Synthesis and Characterization of High-Energy Ball-Milled Nanostructured Fe ₂₅ Se ₇₅ . <i>Jom</i> , 2016, 68, 351-361.	0.9	4
79	Heusler Alloy Ribbons: Structure, Martensitic Transformation, Magnetic Transitions, and Exchange Bias Effect. <i>Springer Series in Materials Science</i> , 2016, , 83-114.	0.4	4
80	Morphology and structure effect of Ti additive on the solid-state reaction between Ni and Al powders during mechanical alloying. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 2937-2943.	1.5	8
81	Microstructural evolution and corrosion behavior of nanocrystalline FeAl synthesized by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2016, 657, 330-335.	2.8	15
82	PHYSICS WITH MOBILE MATH TECHNOLOGY. , 2016, , .		0
83	MOOC: APPLIED PHYSICS. , 2016, , .		0
84	Study of the structural and magnetic properties of Fe-doped ZnO. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 1140-1143.	0.8	0
85	Martensitic Transformation in Ni-Mn-Sn-Co Heusler Alloys. <i>Metals</i> , 2015, 5, 695-705.	1.0	16
86	Structure and Mössbauer Analysis of Melt-Spun Fe-Pd Ribbons Containing Ni and Co. <i>Metals</i> , 2015, 5, 1020-1028.	1.0	5
87	Structural characterization and Mössbauer studies of nanocrystalline Fe ₆₀ Ni ₂₀ Cr ₁₀ B ₁₀ alloy prepared by high energy ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 393, 157-164.	1.0	7
88	Influence of chemical composition on martensitic transformation of MnNiIn shape memory alloys. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 167-173.	2.0	17
89	Structural and Thermal Study of Nanocrystalline Fe-Al-B Alloy Prepared by Mechanical Alloying. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 3696-3704.	1.1	9
90	Structural, microstructural and magnetic properties of 1% Fe-doped ZnO powder nanostructures prepared by mechanical alloying. <i>International Journal of Nanotechnology</i> , 2015, 12, 685.	0.1	0

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91	Phase transformations and magnetic properties of ball-milled Fe ₆ P _{1.7} C powders. <i>Advanced Powder Technology</i> , 2015, 26, 519-526.	2.0	10
92	Microstructure characterization and thermal stability of the ball milled iron powders. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 1037-1046.	2.0	14
93	Structural and Magnetic Changes due to the Martensitic Transformation in Rapidly Solidified Ni ₅₀ Mn ₃₇ Sn _{6.5} In _{6.5} Ribbons. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2165-2170.	0.8	1
94	Thermal and Structural Analysis of Mn _{49.3} Ni _{43.7} Sn _{7.0} Heusler Alloy Ribbons. <i>Entropy</i> , 2015, 17, 646-657.	1.1	15
95	Crystal structure and spectroscopic studies of LiNH ₄ (H ₂ PO ₄) ₂ · A new solid acid in the LiH ₂ PO ₄ · NH ₄ H ₂ PO ₄ system. <i>Journal of Solid State Chemistry</i> , 2015, 230, 272-278.	1.4	4
96	Effects of Co Additions on the Martensitic Transformation and Magnetic Properties of Ni ₄₈ Mn ₄₈ Sn Shape Memory Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 3087-3092.	0.8	20
97	Stacking faults and structural characterization of mechanically alloyed Ni ₅₀ Cu ₁₀ (Fe ₂ B) ₁₀ P ₃₀ powders. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	4
98	Synthesis, crystal structure, and vibrational study of K ₂ Cu(HPO ₄) ₂ · 6H ₂ O: A new metal hydrogenphosphate compound. <i>Journal of Molecular Structure</i> , 2015, 1099, 181-188.	1.8	2
99	Magnetocaloric effect, magnetostructural and magnetic phase transformations in Ni _{50.3} Mn _{36.5} Sn _{13.2} Heusler alloy ribbons. <i>Journal of Alloys and Compounds</i> , 2015, 629, 332-342.	2.8	21
100	Magnetostructural phase transition in off-stoichiometric Ni ₄₈ Mn ₄₈ In Heusler alloy ribbons with low In content. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 383, 190-195.	1.0	11
101	Crystal structure, vibrational studies and optical properties of a new organic-inorganic hybrid compound (C ₁₀ H ₂₈ N ₄)CuCl ₅ Cl · 4H ₂ O. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 28-33.	2.0	28
102	XRD analysis and magnetic properties of nanocrystalline Ni ₂₀ Co ₈₀ alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 349, 51-56.	1.0	17
103	Structural and microstructural properties of nanocrystalline Cu ₄₈ Fe ₄₈ Ni powders produced by mechanical alloying. <i>Powder Technology</i> , 2014, 266, 262-267.	2.1	20
104	Crystal structure, microstructure and magnetic properties of Ni nanoparticles elaborated by hydrothermal route. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 358-359, 11-15.	1.0	18
105	Synthesis, Crystal Structure, and Characterization of A New Adduct Bis-(2-Amino-3-Benzyloxypyridinium) Selenate Monohydrate [C ₁₂ H ₁₃ N ₂ O] ₂ SeO ₄ · H ₂ O. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 422-431.	0.8	5
106	Synthesis, structural, photoluminescence, vibrational and DFT investigation of the bis (4-aminopyridinium) tetrachloridocuprate(II) monohydrate. <i>Journal of Luminescence</i> , 2014, 149, 341-347.	1.5	48
107	Structural and Magnetic Properties of Melt-Spun Ni-Mn(Fe)-Ga Ferromagnetic Shape Memory Ribbons. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-3.	1.2	3
108	Thermomagnetic and structural analysis of as-quenched Ni ₄₉ Co ₁ Mn ₃₇ Sn ₁₃ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 1116-1119.	0.8	1

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109	Annealing effect on the crystal structure and exchange bias in Heusler Ni _{45.5} Mn _{43.0} In _{11.5} alloy ribbons. Journal of Alloys and Compounds, 2014, 582, 588-593.	2.8	13
110	Student perceptions of peer assessment: an interdisciplinary study. Assessment and Evaluation in Higher Education, 2014, 39, 592-610.	3.9	90
111	Microstructure evolution and thermal stability of nanostructured Fe ₅₀ Al ₃₀ (Ni ₇₀ Zr ₃₀) ₁₀ B ₁₀ powders produced by mechanical alloying. Superlattices and Microstructures, 2014, 74, 156-166.	1.4	3
112	ICTAC Kinetics Committee recommendations for collecting experimental thermal analysis data for kinetic computations. Thermochimica Acta, 2014, 590, 1-23.	1.2	929
113	Synthesis and structural characterization of nanocrystalline FeAlNbB alloy prepared by mechanical alloying. Materials Letters, 2013, 107, 318-321.	1.3	4
114	Amorphization of Al ₅₀ (Fe ₂ B) ₃₀ Nb ₂₀ Mixture by Mechanical Alloying. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4718-4724.	1.1	14
115	Phase transformations during mechanical alloying of Fe-30% Al-20% Cu. Powder Technology, 2013, 246, 117-124.	2.1	22
116	X-ray line profile analysis of the ball-milled Fe-30Co alloy. Advanced Powder Technology, 2013, 24, 168-174.	2.0	19
117	Nanocrystalline (Fe ₆₀ Al ₄₀) ₈₀ Cu ₂₀ alloy prepared by mechanical alloying. Journal of Alloys and Compounds, 2013, 554, 51-58.	2.8	23
118	Influence of Heat Treatments on the Structure of FeAl Powders Mixture Obtained by Mechanical Alloying. Physics Procedia, 2013, 40, 38-44.	1.2	8
119	Magnetic, structural and thermal properties of the Finemet-type powders prepared by mechanical alloying. Journal of Physics and Chemistry of Solids, 2013, 74, 550-557.	1.9	53
120	Synthesis, crystal structure, vibrational spectra, optical properties and theoretical investigation of bis (2-aminobenzimidazolium) tetraiodocadmate. Journal of Molecular Structure, 2013, 1039, 207-213.	1.8	43
121	Electric fire hazards at home and in the classroom. Physics Education, 2013, 48, 558-560.	0.3	0
122	Phase Transformation in the Ball Milled Fe ₃₁ Co ₃₁ Nb ₈ Powders. Advances in Materials Physics and Chemistry, 2013, 03, 90-100.		
123	Tailoring of Magnetocaloric Effect in Ni _{45.5} Mn _{43.0} In _{11.5} Metamagnetic Shape Memory Alloy. Research Letters in Physics, 2012, 2012, 1-5.	0.2	7
124	Martensitic Transformation in Ni ₅₀ Mn ₅₀ Sn _x Shape Memory Alloys. IEEE Transactions on Magnetics, 2012, 48, 3749-3752.	1.2	7
125	Ni _{59.0} Mn _{23.5} In _{17.5} Heusler alloy as the core of glass-coated microwires: Magnetic properties and magnetocaloric effect. Journal of Applied Physics, 2012, 112, .	1.1	32
126	Magnetic Field and Annealing Influence on the Martensitic Transition in Ni _{45.8} Mn _{42.6} In _{11.6} Shape Memory Alloy Ribbons. Solid State Phenomena, 2012, 190, 307-310.	0.3	4

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127	Structural characterization of mechanically alloyed nanocrystalline Cu-Fe: Strain broadening due to dislocations. EPJ Web of Conferences, 2012, 29, 00048.	0.1	2
128	The effect of field-quenching fabrication on the magnetoimpedance response in Co ₆₆ Fe ₄ Ni ₁ Si ₁₅ B ₁₄ amorphous ribbons. Journal of Applied Physics, 2012, 111, .	1.1	4
129	Magnetoimpedance Response in Co-Based Amorphous Ribbons Obtained Under the Action of a Magnetic Field. IEEE Transactions on Magnetism, 2012, 48, 4375-4377.	1.2	6
130	Annealing Influence on the Microstructure and Magnetic Properties of Ni ₄₅ Mn ₄₅ In Alloys Ribbons. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2431-2436.	0.8	6
131	On tuning the magnetocaloric effect in Ni ₄₅ Mn ₄₅ In Heusler alloy ribbons with thermal treatment. Journal of Alloys and Compounds, 2012, 545, 216-221.	2.8	18
132	Effect of the Nb content on the amorphization process of the mechanically alloyed Fe ₆₀ Co ₂₀ Nb ₁₀ B ₁₀ powders. Journal of Alloys and Compounds, 2012, 536, S394-S397.	2.8	13
133	Structural and Magnetization Changes at High Temperature in Co ₅₀ Mn ₃₀ In ₂₀ Alloy. Journal of Nanoscience and Nanotechnology, 2012, 12, 7442-7445.	0.9	2
134	Exchange bias behavior in Ni ₅₀ Mn _{35.5} In _{14.5} ribbons annealed at different temperatures. Journal of Magnetism and Magnetic Materials, 2012, 324, 3535-3537.	1.0	15
135	Influence of a magnetic field applied during the quenching process on the spin density and nanoscale structure of an amorphous Fe ₆₀ B ₁₀ ribbon. Materials Letters, 2012, 87, 131-134.	1.3	3
136	Formation study of nanostructured Cr _{100-x} Cox (x=10, 90) alloys. Journal of Alloys and Compounds, 2012, 536, S365-S369.	2.8	9
137	Stacking faults and phase transformations study in ball milled Co _{100-x} Crx (x=0, 20, 50) alloys. Materials Chemistry and Physics, 2012, 132, 761-765.	2.0	11
138	Magnetic and microstructural properties of the mechanically alloyed Fe ₅₇ Co ₂₁ Nb ₇ B ₁₅ powder mixture. Materials Chemistry and Physics, 2012, 132, 766-772.	2.0	24
139	Mechanochemical reactions in nanocrystalline Cu ₄₅ Fe system induced by mechanical alloying in air atmosphere. Powder Technology, 2012, 224, 338-344.	2.1	27
140	Magnetocaloric effect in melt-spun FePd ribbon alloy with second order phase transition. Journal of Alloys and Compounds, 2011, 509, 190-194.	2.8	27
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