Joan Josep SuÃ±ol

List of Publications by Year
in descending order

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257	4,785	172457	133252
papers	citations	29 h-index	59 g-index

258	258	258	4527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ICTAC Kinetics Committee recommendations for collecting experimental thermal analysis data for kinetic computations. Thermochimica Acta, 2014, 590, 1-23.	2.7	929
2	Structural FTIR analysis and thermal characterisation of lyocell and viscose-type fibres. European Polymer Journal, 2004, 40, 2229-2234.	5.4	498
3	Martensitic phase transformation in rapidly solidified Mn50Ni40In10 alloy ribbons. Applied Physics Letters, 2008, 92, .	3.3	122
4	Student perceptions of peer assessment: an interdisciplinary study. Assessment and Evaluation in Higher Education, 2014, 39, 592-610.	5.6	90
5	Microstructure and magnetic properties of Ni50Mn37Sn13 Heusler alloy ribbons. Journal of Applied Physics, 2008, 103, .	2.5	85
6	Grain oriented NiMnSn and NiMnIn Heusler alloys ribbons produced by melt spinning: Martensitic transformation and magnetic properties. Journal of Magnetism and Magnetic Materials, 2009, 321, 763-768.	2.3	81
7	Nanofibrillated cellulose as nanoreinforcement in Portland cement: Thermal, mechanical and microstructural properties. Journal of Composite Materials, 2017, 51, 2491-2503.	2.4	76
8	Thermal stability of ultrafine grains size of pure copper obtained by equal-channel angular pressing. Journal of Materials Science, 2010, 45, 2264-2273.	3.7	75
9	Thermal and magnetic field-induced martensite-austenite transition in Ni50.3Mn35.3Sn14.4 ribbons. Applied Physics Letters, 2008, 92, 042504.	3.3	67
10	Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. Crystals, 2017, 7, 41.	2.2	64
11	Functional Properties of Heat Induced Gels from Liquid and Sprayâ€Dried Porcine Blood Plasma as Influenced by pH. Journal of Food Science, 1998, 63, 958-961.	3.1	63
12	NiMn-based Heusler magnetic shape memory alloys: a review. International Journal of Advanced Manufacturing Technology, 2019, 103, 2761-2772.	3.0	60
13	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.	4.0	53
14	Characterization of Mechanically Alloyed Nanocrystalline Fe(Al): Crystallite Size and Dislocation Density. Journal of Nanomaterials, 2010, 2010, 1-8.	2.7	50
15	Synthesis, structural, photoluminescence, vibrational and DFT investigation of the bis (4-aminopyridinium) tetrachloridocuprate(II) monohydrate. Journal of Luminescence, 2014, 149, 341-347.	3.1	48
16	Effect of the particle size and acid pretreatments on compatibility and properties of recycled HDPE plastic bottles filled with ground tyre powder. Journal of Applied Polymer Science, 2009, 112, 1882-1890.	2.6	46
17	XPS surface study of nanocrystalline Tiâ€“Ruâ€“Fe materials. Applied Surface Science, 2000, 158, 252-262.	6.1	43
18	The effects of process control agents on mechanical alloying behavior of a Feâ€“Zr based alloy. Journal of Alloys and Compounds, 2007, 434-435, 472-476.	5.5	43

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19	Synthesis, crystal structure, vibrational spectra, optical properties and theoretical investigation of bis (2-aminobenzimidazolium) tetraiodocadmate. Journal of Molecular Structure, 2013, 1039, 207-213.	3.6	43
20	Magnetic and structural studies of mechanically alloyed (Fe50Co50)62Nb8B30 powder mixtures. Journal of Alloys and Compounds, 2009, 482, 86-89.	5.5	35
21	Magnetic properties of nanostructured Fe92P8 powder mixture. Journal of Alloys and Compounds, 2009, 471, 24-27.	5.5	34
22	Thermal and microstructural properties of paraffin/diatomite composite. Vacuum, 2018, 157, 136-144.	3.5	34
23	Martensitic transformation in Mnâ€“Niâ€“Sn Heusler alloys. Journal of Thermal Analysis and Calorimetry, 2010, 99, 905-909.	3.6	33
24	Magnetic and structural characterization of the mechanically alloyed Fe75Si15B10 powders. Journal of Alloys and Compounds, 2010, 494, 109-115.	5.5	33
25	Properties of PMMA artificially aged. Journal of Non-Crystalline Solids, 2001, 287, 308-312.	3.1	32
26	Ni59.0Mn23.5In17.5 Heusler alloy as the core of glass-coated microwires: Magnetic properties and magnetocaloric effect. Journal of Applied Physics, 2012, 112, .	2.5	32
27	Rapid degradation of azo-dye using Mnâ€“Al powders produced by ball-milling. RSC Advances, 2017, 7, 12620-12628.	3.6	31
28	X-ray studies of structure defects in nanostructured FeAl alloy. Materials Letters, 2010, 64, 1802-1805.	2.6	30
29	Peer and self-assessment applied to oral presentations from a multidisciplinary perspective. Assessment and Evaluation in Higher Education, 2016, 41, 622-637.	5.6	30
30	Thermal characterization of nitrile butadiene rubber (NBR)/PVC blends. Journal of Thermal Analysis and Calorimetry, 2005, 80, 187-190.	3.6	29
31	Thermal and structural characterization of Feâ€“Nbâ€“B alloys prepared by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 874-880.	5.6	28
32	Microstructure evolution and mechanical properties of nanocrystalline FeAl obtained by mechanical alloying and cold consolidation. Journal of Alloys and Compounds, 2011, 509, 3293-3298.	5.5	28
33	Crystal structure, vibrational studies and optical properties of a new organicâ€“inorganic hybrid compound (C10H28N4)CuCl5Clâ‹…4H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 134, 28-33.	3.9	28
34	Influence of process control agents in the development of a metastable Feâ€“Zr based alloy. Journal of Non-Crystalline Solids, 2007, 353, 848-850.	3.1	27
35	Martensitic transformation in Ni_{50.4}Mn_{34.9}In_{14.7}melt spun ribbons. Journal Physics D: Applied Physics, 2009, 42, 045002.	2.8	27
36	Amorphisation of Crâ€“10Co mixture by mechanical alloying. Journal of Non-Crystalline Solids, 2010, 356, 1052-1056.	3.1	27

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37	Magnetocaloric effect in melt-spun FePd ribbon alloy with second order phase transition. Journal of Alloys and Compounds, 2011, 509, 190-194.	5.5	27
38	Mechanochemical reactions in nanocrystalline Cuâ€“Fe system induced by mechanical alloying in air atmosphere. Powder Technology, 2012, 224, 338-344.	4.2	27
39	Natural and artificial aging of polypropyleneâ€“polyethylene copolymers. Journal of Applied Polymer Science, 2003, 87, 1685-1692.	2.6	25
40	An analysis of teamwork based on self and peer evaluation in higher education. Assessment and Evaluation in Higher Education, 2021, 46, 191-207.	5.6	25
41	The Use of Waxes and Wetting Additives to Improve Compatibility Between HDPE and Ground Tyre Rubber. Journal of Composite Materials, 2010, 44, 1233-1245.	2.4	24
42	Magnetic and microstructural properties of the mechanically alloyed Fe57Co21Nb7B15 powder mixture. Materials Chemistry and Physics, 2012, 132, 766-772.	4.0	24
43	Nanocrystalline (Fe60Al40)80Cu20 alloy prepared by mechanical alloying. Journal of Alloys and Compounds, 2013, 554, 51-58.	5.5	23
44	Structural Characterization of Nanostructured Fe-8P Powder Mixture. Journal of Nanoscience and Nanotechnology, 2008, 8, 2029-2036.	0.9	22
45	Phase transformations during mechanical alloying of Feâ€“30% Alâ€“20% Cu. Powder Technology, 2013, 246, 117-124.	4.2	22
46	Magnetocaloric effect, magnetostructural and magnetic phase transformations in Ni50.3Mn36.5Sn13.2 Heusler alloy ribbons. Journal of Alloys and Compounds, 2015, 629, 332-342.	5.5	21
47	Structural and magnetic properties of Co50Ni50 powder mixtures. Journal of Magnetism and Magnetic Materials, 2011, 323, 3063-3070.	2.3	20
48	Structural and microstructural properties of nanocrystalline Cuâ€“Feâ€“Ni powders produced by mechanical alloying. Powder Technology, 2014, 266, 262-267.	4.2	20
49	Effects of Co Additions on the Martensitic Transformation and Magnetic Properties of Niâ€“Mnâ€“Sn Shape Memory Alloys. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3087-3092.	1.8	20
50	Synthesis and Characterization of Nanocrystalline Al-20 at. % Cu Powders Produced by Mechanical Alloying. Metals, 2016, 6, 145.	2.3	20
51	Microstructure and magnetic properties of HVOF thermally sprayed Fe75Si15B10 coatings. Surface and Coatings Technology, 2010, 205, 281-286.	4.8	19
52	Formation study of the ball-milled Cr20Co80 alloy. Journal of Alloys and Compounds, 2010, 493, 110-115.	5.5	19
53	X-ray line profile analysis of the ball-milled Feâ€“30Co alloy. Advanced Powder Technology, 2013, 24, 168-174.	4.1	19
54	X-ray diffraction and MÃ¶ssbauer spectrometry studies of the mechanically alloyed Feâ€“6Pâ€“1.7C powders. Advanced Powder Technology, 2009, 20, 593-597.	4.1	18

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55	Kinetic arrest of direct and reverse martensitic transformation and exchange bias effect in Mn49.5Ni40.4In10.1 melt spun ribbons. Journal of Applied Physics, 2010, 107, .	2.5	18
56	On tuning the magnetocaloric effect in Niâ€“Mnâ€“In Heusler alloy ribbons with thermal treatment. Journal of Alloys and Compounds, 2012, 545, 216-221.	5.5	18
57	Crystal structure, microstructure and magnetic properties of Ni nanoparticles elaborated by hydrothermal route. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 11-15.	2.3	18
58	Microstructure and Magnetic Properties of NiP Alloys. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1001-1011.	1.8	18
59	Magnetic and Structural Properties of the Nanostructured Cu50Ni50 Powders. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1927-1935.	1.8	18
60	Martensitic transformation, magnetic and magnetocaloric properties of Niâ€“Mnâ€“Feâ€“Sn Heusler ribbons. Journal of Materials Research and Technology, 2021, 12, 1091-1103.	5.8	18
61	Microwave Heating of Cooked Pork Patties as a Function of Fat Content. Journal of Food Science, 2007, 72, E57-E63.	3.1	17
62	XRD analysis and magnetic properties of nanocrystalline Ni20Co80 alloys. Journal of Magnetism and Magnetic Materials, 2014, 349, 51-56.	2.3	17
63	Influence of chemical composition on martensitic transformation of MnNiIn shape memory alloys. Journal of Thermal Analysis and Calorimetry, 2015, 122, 167-173.	3.6	17
64	Thermal behavior of cellulose fibers with enzymatic or Na2CO3 treatment. Journal of Thermal Analysis and Calorimetry, 2005, 80, 117-121.	3.6	16
65	Thermal and magnetic behavior of a nanocrystalline Fe(Ni,Co) based alloy. Journal of Non-Crystalline Solids, 2007, 353, 865-868.	3.1	16
66	Martensitic Transformation in Ni-Mn-Sn-Co Heusler Alloys. Metals, 2015, 5, 695-705.	2.3	16
67	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.	7.2	16
68	Phase Transformation in the Ball Milled Fe₃₁Co₃₁Nb<sub>8</sub Powders. Advances in Materials Physics and Chemistry, 2013, 03, 90-100.	0.7	16
69	Title is missing!. Journal of Thermal Analysis and Calorimetry, 2003, 72, 753-758.	3.6	15
70	Comparison of Fe-Ni based alloys prepared by ball milling and rapid solidification. Journal of Materials Science, 2004, 39, 5147-5150.	3.7	15
71	Magnetic characterization of Cu56Ga28Mn16microwires. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 644-647.	1.8	15
72	Structural study of nanocrystalline Feâ€“Coâ€“Nbâ€“B alloys prepared by mechanical alloying. Journal of Alloys and Compounds, 2009, 483, 604-607.	5.5	15

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73	Solid state amorphization transformation in the mechanically alloyed Fe27.9Nb2.2B69.9 powders. Materials Chemistry and Physics, 2010, 122, 35-40.	4.0	15
74	Exchange bias behavior in Ni50.0Mn35.5 In14.5 ribbons annealed at different temperatures. Journal of Magnetism and Magnetic Materials, 2012, 324, 3535-3537.	2.3	15
75	Thermal and Structural Analysis of Mn49.3Ni43.7Sn7.0 Heusler Alloy Ribbons. Entropy, 2015, 17, 646-657.	2.2	15
76	Microstructural evolution and corrosion behavior of nanocrystalline FeAl synthesized by mechanical alloying. Journal of Alloys and Compounds, 2016, 657, 330-335.	5.5	15
77	High efficiency decolorization of azo dye Reactive Black 5 by Ca-Al particles. Journal of Environmental Chemical Engineering, 2017, 5, 6107-6113.	6.7	15
78	Comparison of Feâ€“Niâ€“Pâ€“Si alloys prepared by ball milling. Journal of Non-Crystalline Solids, 2001, 287, 114-119.	3.1	14
79	Annealing Effect on Martensitic Transformation and Magneto-Structural Properties of Ni-Mn-In Melt Spun Ribbons. Materials Science Forum, 0, 635, 81-87.	0.3	14
80	Amorphization of Al50(Fe2B)30Nb20 Mixture by Mechanical Alloying. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4718-4724.	2.2	14
81	Microstructure characterization and thermal stability of the ball milled iron powders. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1037-1046.	3.6	14
82	Morphological, Structural and Hydrogen Storage Properties of LaCrO3 Perovskite-Type Oxides. Energies, 2022, 15, 1463.	3.1	14
83	Thermal Stability Study of Fe-Ni-Based Alloys Determination of T-HR-T and T-T-T diagrams. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1998, 52, 853-862.	1.4	13
84	Synthesis and characterization of nanocrystalline FeNiZrB developed by mechanical alloying. Journal of Alloys and Compounds, 2007, 434-435, 415-419.	5.5	13
85	Magnetic study and thermal analysis of a metastable Fe-Zr-based alloy: Influence of process control agents. Journal of Magnetism and Magnetic Materials, 2008, 320, e823-e827.	2.3	13
86	Integro-difference equations for interacting species and the Neolithic transition. New Journal of Physics, 2008, 10, 043045.	2.9	13
87	Effect of the Nb content on the amorphization process of the mechanically alloyed Feâ€“Coâ€“Nbâ€“B powders. Journal of Alloys and Compounds, 2012, 536, S394-S397.	5.5	13
88	Annealing effect on the crystal structure and exchange bias in Heusler Ni45.5Mn43.0In11.5 alloy ribbons. Journal of Alloys and Compounds, 2014, 582, 588-593.	5.5	13
89	Application of mechanically alloyed MnAl particles to de-colorization of azo dyes. Journal of Alloys and Compounds, 2018, 741, 240-245.	5.5	13
90	Effect of cobalt doping on martensitic transformations and the magnetic properties of Ni50â^'xCoxMn37Sn13 (xÂ= 1, 2, 3) Heusler ribbons. Journal of Alloys and Compounds, 2018, 739, 305-310.	5.5	13

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91	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.	2.7	13
92	Magnetic properties, martensitic and magnetostructural transformations of ferromagnetic Niâ€“Mnâ€“Snâ€“Cu shape memory alloys. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	13
93	Crystallization behaviour of Fe40Ni40SixP20â^'x (x=6, 10, 14) amorphous alloys. Journal of Non-Crystalline Solids, 2000, 276, 113-121.	3.1	12
94	Using peer assessment to evaluate teamwork from a multidisciplinary perspective. Assessment and Evaluation in Higher Education, 2018, 43, 14-30.	5.6	12
95	Structural, microstructural and thermal properties of nanostructured Fe60Al35Sn5 alloy synthesized by mechanical alloying. Materials Characterization, 2019, 148, 272-279.	4.4	12
96	Modeling crystallization processes: transformation diagrams. Acta Materialia, 2002, 50, 4783-4790.	7.9	11
97	Transformation diagrams. Journal of Thermal Analysis and Calorimetry, 2003, 72, 25-33.	3.6	11
98	Non-isothermal approach to crystallization process of a Co-rich alloy. Journal of Non-Crystalline Solids, 2008, 354, 5126-5128.	3.1	11
99	Stacking faults and phase transformations study in ball milled Co100â^'xCrx (x=0, 20, 50) alloys. Materials Chemistry and Physics, 2012, 132, 761-765.	4.0	11
100	Magnetostructural phase transition in off-stoichiometric Niâ€“Mnâ€“In Heusler alloy ribbons with low In content. Journal of Magnetism and Magnetic Materials, 2015, 383, 190-195.	2.3	11
101	High-Entropy FeCoNiB0.5Si0.5 Alloy Synthesized by Mechanical Alloying and Spark Plasma Sintering. Crystals, 2020, 10, 929.	2.2	11
102	Ball milling of Fe40Ni40P20-xSix(x = 6, 10 and 14): production and characterization. Philosophical Magazine, 2003, 83, 2323-2342.	1.6	10
103	Crystallization kinetics of metallic glasses. Journal of Thermal Analysis and Calorimetry, 2010, 102, 447-450.	3.6	10
104	Phase transformations and magnetic properties of ball-milled Feâ€“6Pâ€“1.7C powders. Advanced Powder Technology, 2015, 26, 519-526.	4.1	10
105	Effect of boron addition on structural and magnetic properties of nanostructured Fe75Al25 alloy prepared by high energy ball milling. Materials Letters, 2016, 181, 21-24.	2.6	10
106	The magnetic and structural properties of nanostructured (Fe75Al25) 100-xBx alloys prepared by mechanical alloying. Journal of Alloys and Compounds, 2017, 729, 776-786.	5.5	10
107	Investigation of the critical behavior and magnetocaloric properties in the nanocrystalline CuNi powders. Journal of Magnetism and Magnetic Materials, 2017, 444, 54-60.	2.3	10
108	The role of silicon on the microstructure and magnetic behaviour of nanostructured (Fe0.7Co0.3)100â^'Si powders. Journal of Magnetism and Magnetic Materials, 2017, 422, 149-156.	2.3	10

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109	Critical behavior, magnetic and magnetocaloric properties of melt-spun Ni50Mn35Sn15 ribbons. Journal of Alloys and Compounds, 2018, 735, 1662-1672.	5.5	10
110	Crystal structure, vibrational studies and optical properties of a new organic phosphate (C12H14N2S)(H2PO4)2. Journal of Molecular Structure, 2018, 1173, 448-455.	3.6	10
111	Effect of the Boron Content on the Amorphization Process and Magnetic Properties of the Mechanically Alloyed Fe92â^'xNb8Bx Powders. Journal of Superconductivity and Novel Magnetism, 2019, 32, 893-901.	1.8	10
112	Azo-dye degradation by Mnâ€“Al powders. Journal of Environmental Management, 2020, 258, 110012.	7.8	10
113	Microstructure, Magnetic and MÃ¶ssbauer Studies of Mechanically Alloyed FeCoNi Nanocrystalline Powders. Arabian Journal for Science and Engineering, 2021, 46, 5633-5643.	3.0	10
114	Preparation of Feî—¸Ni based metal-metalloid amorphous powders by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 181-182, 1285-1290.	5.6	9
115	DSC Study of the Effects of High Pressure and Spray-Drying Treatment on Porcine Plasma. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1998, 52, 837-844.	1.4	9
116	Thermally activated crystallization of two FeNiPSi alloys. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 70, 173-179.	1.4	9
117	Thermal analysis of two Fe-X-B (X=Nb, ZrNi) alloys prepared by mechanical alloying. Journal of Thermal Analysis and Calorimetry, 2003, 72, 329-335.	3.6	9
118	Thermal and structural changes induced by mechanical alloying in melt-spun Feâ€“Ni based amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 881-887.	5.6	9
119	Thermal analysis of Fe(Co,Ni) based alloys prepared by mechanical alloying. Journal of Thermal Analysis and Calorimetry, 2007, 87, 255-258.	3.6	9
120	Structural and magnetic properties of a nanocrystalline Fe75Nb10Si5B10 alloy produced by mechanical alloying. Materials Letters, 2008, 62, 1673-1676.	2.6	9
121	FePd melt-spun ribbons and nanowires: Fabrication and magneto-structural properties. Journal of Magnetism and Magnetic Materials, 2009, 321, 790-792.	2.3	9
122	Formation study of nanostructured Cr100â^'xCox (x=10, 90) alloys. Journal of Alloys and Compounds, 2012, 536, S365-S369.	5.5	9
123	Structural and Thermal Study of Nanocrystalline Fe-Al-B Alloy Prepared by Mechanical Alloying. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3696-3704.	2.2	9
124	A study of densification and phase transformations of nanocomposite Cu-Fe prepared by mechanical alloying and consolidation process. International Journal of Advanced Manufacturing Technology, 2016, 87, 981-987.	3.0	9
125	Structural and magnetic behavior of Fe(Nb,Zr) rich alloys produced by mechanical alloying. AIP Advances, 2018, 8, .	1.3	9
126	Microstructure characterization, structure and magnetic properties of Niâ€“Mnâ€“Sn shape memory alloys. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2147-2154.	3.6	9

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127	Thermal analysis of aged hdpe based composites. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 70, 57-62.	1.4	8
128	Influence of Heat Treatments on the Structure of FeAl Powders Mixture Obtained by Mechanical Alloying. Physics Procedia, 2013, 40, 38-44.	1.2	8
129	Investigation of the enthalpy/entropy variation and structure of Niâ€“Mnâ€“Sn (Co, In) melt-spun alloys. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1463-1468.	3.6	8
130	Morphology and structure effect of Ti additive on the solid-state reaction between Ni and Al powders during mechanical alloying. International Journal of Advanced Manufacturing Technology, 2016, 86, 2937-2943.	3.0	8
131	Structural and martensitic transformation of MnNiSn shape memory alloys. International Journal of Advanced Manufacturing Technology, 2017, 90, 291-298.	3.0	8
132	Thermal analysis of Mn50Ni50â^'x(Sn, In)x Heusler shape memory alloys. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1277-1284.	3.6	8
133	Martensitic Transformation, Thermal Analysis and Magnetocaloric Properties of Ni-Mn-Sn-Pd Alloys. Processes, 2020, 8, 1582.	2.8	8
134	Characterization and thermal analysis of new amorphous Co60Fe18Ta8B14alloy produced by mechanical alloying. Materials Letters, 2021, 292, 129532.	2.6	8
135	Structural, Thermal and Magnetic Analysis of Fe75Co10Nb6B9 and Fe65Co20Nb6B9 Nanostructured Alloys. Materials, 2021, 14, 4542.	2.9	8
136	A Modified Method for T-CR-T Diagram Construction Application to Polyethylene Glycol. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1998, 52, 765-772.	1.4	7
137	Thermal degradation of lyocell, modal and viscose fibers under aggressive conditions. Journal of Thermal Analysis and Calorimetry, 2007, 87, 41-44.	3.6	7
138	Influence of Ni content on Feâ€“Nbâ€“B alloy formation. Journal of Thermal Analysis and Calorimetry, 2007, 88, 83-86.	3.6	7
139	Thermal degradation of lyocell/poly-N-isopropylacrylamide graft copolymers gels. Journal of Thermal Analysis and Calorimetry, 2009, 97, 945-948.	3.6	7
140	Tailoring of Magnetocaloric Effect in Ni45.5Mn43.0In11.5 Metamagnetic Shape Memory Alloy. Research Letters in Physics, 2012, 2012, 1-5.	0.2	7
141	Martensitic Transformation in Ni<formula formulatype="inline"> <tex Notation="TeX">$_{50}$</tex> </formula>Mn<formula formulatype="inline"> <tex Notation="TeX">$_{50-{m x}}$</tex> </formula>Sn<formula formulatype="inline"> <tex Notation="TeX">$_{m x}$</tex> </formula><formula formulatype="inline">. IEEE Transactions on Magnetics, 2012, 48, 3749-3752.	2.1	7
142	Structural characterization and MÃ¶ssbauer studies of nanocrystalline Fe60Ni20Cr10B10 alloy prepared by high energy ball milling. Journal of Magnetism and Magnetic Materials, 2015, 393, 157-164.	2.3	7
143	Dealloying of Cu-Mg-Ca Alloys. Metals, 2018, 8, 919.	2.3	7
144	Mechanical Alloying: Processing and Materials. Metals, 2021, 11, 798.	2.3	7

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145	Thermal Analysis of a Polyethylene Glycol (PEG 4000): T-CR-T Diagram Construction. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 61, 711-718.	1.4	6
146	Crystallization of a melt spun Fe-Ni based metallic glass. Journal of Thermal Analysis and Calorimetry, 2003, 72, 347-353.	3.6	6
147	Curie temperature in Fe(Ni)Nb based mechanically alloyed materials. Journal of Thermal Analysis and Calorimetry, 2005, 80, 257-261.	3.6	6
148	Structural and thermal changes induced by mechanical alloying in a Feâ€“Ni based amorphous melt-spun alloy. Materials Chemistry and Physics, 2009, 114, 996-999.	4.0	6
149	Magnetoimpedance Response in Co-Based Amorphous Ribbons Obtained Under the Action of a Magnetic Field. IEEE Transactions on Magnetics, 2012, 48, 4375-4377.	2.1	6
150	Annealing Influence on the Microstructure and Magnetic Properties of Niâ€“Mnâ€“In Alloys Ribbons. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2431-2436.	1.8	6
151	Optical and electrical properties of Li2WO4 compound. Phase Transitions, 2019, 92, 737-754.	1.3	6
152	Effects of the Addition of Fe, Co on the Azo Dye Degradation Ability of Mn-Al Mechanically Alloyed Powders. Metals, 2020, 10, 1578.	2.3	6
153	The Effect of B and Si Additions on the Structural and Magnetic Behavior of Fe-Co-Ni Alloy Prepared by High-energy Mechanical Milling. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2727-2735.	1.8	6
154	Microstructural and Magnetic Behavior of Nanocrystalline Fe-12Ni-16B-2Si Alloy Synthesis and Characterization. Metals, 2021, 11, 1679.	2.3	6
155	MÃ¶ssbauer spectroscopy Study of the Crystallisation Behaviour of Fe-Ni-Si-P amorphous powders prepared by Ball Milling. Materials Science Forum, 2001, 360-362, 525-530.	0.3	5
156	Ferromagnetic shape memory alloys: structural and thermal properties. IOP Conference Series: Materials Science and Engineering, 2010, 13, 012004.	0.6	5
157	Synthesis, Crystal Structure, and Characterization of A New Adduct Bis-(2-Amino-3-Benzyloxypyridinium) Selenate Monohydrate [C12H13N2O]2SeO4.H2O. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 422-431.	1.6	5
158	Structure and MÃ¶ssbauer Analysis of Melt-Spun Fe-Pd Ribbons Containing Ni and Co. Metals, 2015, 5, 1020-1028.	2.3	5
159	X-ray diffraction, MÃ¶ssbauer spectrometry and thermal studies of the mechanically alloyed (Fe 1â^'x Mn) Tj ETQq1 1 0.784314 rgBT /O	4.1	5
160	Impact of annealing on martensitic transformation of Mn50Ni42.5Sn7.5 shape memory alloy. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	5
161	Investigation of the Critical Behavior, Magnetocaloric Effect and Hyperfine Structure in the Fe72Nb8B20 Powders. Materials, 2020, 13, 4476.	2.9	5
162	Synthesis, crystal structure, Hirshfeld surface analysis and DFT calculations of a new benzidinium phosphate. Inorganic Chemistry Communication, 2021, 133, 108905.	3.9	5

#	Article	IF	Citations
163	Synthesis, characterization and amorphization of mechanically alloyed Fe75Si12Ti6B7 and Fe73Si15Ti5B7 powders. Journal of Materials Science, 2022, 57, 12600-12615.	3.7	5
164	New Fe-Ni Based Metal-Metalloid Glassy Alloys Prepared by Mechanical Alloying and Rapid Solidification. Materials Research Society Symposia Proceedings, 1996, 455, 489.	0.1	4
165	Crystallization Kinetics of Polypropylene-polyethylene-based Copolymers. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1999, 55, 57-65.	1.4	4
166	Study on polypropylene-polyethylene-based copolymer solidification. Journal of Applied Polymer Science, 2000, 77, 1269-1274.	2.6	4
167	Relaxation Kinetics of Mechanically Alloyed Powders. Fe-Ni-Si-P: A Case Study. Journal of Metastable and Nanocrystalline Materials, 2001, 10, 459-466.	0.1	4
168	Generalized analytical expressions for the burning velocity in a combustion model with non-constant transport coefficients and several specific heats. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4959-4972.	2.6	4
169	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
170	The effect of field-quenching fabrication on the magnetoimpedance response in Co66Fe4Ni1Si15B14 amorphous ribbons. Journal of Applied Physics, 2012, 111, .	2.5	4
171	Synthesis and structural characterization of nanocrystalline FeAlNbB alloy prepared by mechanical alloying. Materials Letters, 2013, 107, 318-321.	2.6	4
172	Crystal structure and spectroscopic studies of LiNH4(H2PO4)2 â€“ A new solid acid in the LiH2PO4â€“NH4H2PO4 system. Journal of Solid State Chemistry, 2015, 230, 272-278.	2.9	4
173	Stacking faults and structural characterization of mechanically alloyed Ni50Cu10(Fe2B)10P30 powders. European Physical Journal Plus, 2015, 130, 1.	2.6	4
174	MÃ¶ssbauer 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.	4.1	4
175	Synthesis and Characterization of High-Energy Ball-Milled Nanostructured Fe25Se75. Jom, 2016, 68, 351-361.	1.9	4
176	Heusler Alloy Ribbons: Structure, Martensitic Transformation, Magnetic Transitions, and Exchange Bias Effect. Springer Series in Materials Science, 2016, , 83-114.	0.6	4
177	Effect of the Mn/Fe Ratio on the Microstructure and Magnetic Properties in the Powder Form (Fe1â^'x) Tj ETQq1 1 0.784314 rgBT /Ov	1.8	4
178	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.	1.6	4
179	Structure, Magnetocaloric Effect and Critical Behaviour in Ni50Mn30(Sn,In)20 Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2209-2218.	1.8	4
180	Fe-X-B-Cu (X = Nb, NiZr) Alloys Produced by Mechanical Alloying: Influence of Milling Device. Metals, 2021, 11, 379.	2.3	4

#	Article	IF	Citations
181	Structural behavior of Ni-Mn-(In, Sn) Heusler melt spun ribbons. , 2009, , .		4
182	Estudio sobre la resistencia quÃmica de baldosas cerÃ¡micas no-esmaltadas para pavimentos industriales. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2003, 42, 85-88.	1.9	4
183	Ni-Mn-Sn-Cu Alloys after Thermal Cycling: Thermal and Magnetic Response. Materials, 2021, 14, 6851.	2.9	4
184	Thermal Desorption of Hydrogen in Si and Sic Nanoparticles Produced by Plasma-Enhanced Chemical-Vapor Deposition. Materials Research Society Symposia Proceedings, 1998, 513, 427.	0.1	3
185	ISOTHERMAL CRYSTALLIZATION: THERMAL AND OPTICAL STUDY OF PEG. Journal of Macromolecular Science - Physics, 2001, 40, 327-334.	1.0	3
186	Mechanically induced thermal changes in amorphous metallic melt-spun alloys. Materials Letters, 2003, 57, 4222-4226.	2.6	3
187	Thermal behavior of several Fe-Ni alloys prepared by mechanical alloying and rapid solidification. Journal of Thermal Analysis and Calorimetry, 2005, 80, 253-256.	3.6	3
188	Polymer Crystallization: A DSC Approach to Building the Tâ€CRâ€T Diagram. Macromolecular Theory and Simulations, 2008, 17, 103-108.	1.4	3
189	Structural and Magnetic Transitions in Rapidly Solidified Heusler Alloys Ribbons. Solid State Phenomena, 2009, 150, 143-157.	0.3	3
190	Structural characterisation of the mechanically alloyed Fe<SUB align=right>57Co<SUB align=right>21Nb<SUB align=right>7B<SUB align=right>15 powders. International Journal of Nanoparticles, 2010, 3, 246.	0.3	3
191	Influence of a magnetic field applied during the quenching process on the spin density and nanoscale structure of an amorphous Feâ€“B ribbon. Materials Letters, 2012, 87, 131-134.	2.6	3
192	Structural and Magnetic Properties of Melt-Spun Ni-Mn(Fe)-Ga Ferromagnetic Shape Memory Ribbons. IEEE Transactions on Magnetics, 2014, 50, 1-3.	2.1	3
193	Microstructure evolution and thermal stability of nanostructured Fe50Al30(Ni70Zr30)10B10 powders produced by mechanical alloying. Superlattices and Microstructures, 2014, 74, 156-166.	3.1	3
194	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.	3.6	3
195	Structural, magnetic and thermal characterization of Fe50Se50 powders obtained by mechanical alloying. Journal of Thermal Analysis and Calorimetry, 2020, 140, 53-62.	3.6	3
196	Thermal and structural analysis of Ni50Mn50â^'xInx shape memory alloys. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3065-3072.	3.6	3
197	structural evolution of the ball-milled Ni70P30powders. Annales De Chimie: Science Des Materiaux, 2009, 34, 267-273.	0.4	3
198	Characterization and Analysis of Nanocrystalline Soft Magnetic Alloys: Fe Based. Metals, 2021, 11, 1896.	2.3	3

#	Article	IF	Citations
199	Structural and Thermal Study of Fe-Ni-Si-B Powdres Prepared by Mechanical Alloying. Materials Science Forum, 1998, 269-272, 503-512.	0.3	2
200	Glass transition study of eutectic mixtures for pharmaceutical applications. Journal of Non-Crystalline Solids, 2001, 287, 222-225.	3.1	2
201	MÃ¶ssbauer spectroscopy Study of the Crystallisation Behaviour of Fe-Ni-Si-P amorphous powders prepared by Ball Milling. Journal of Metastable and Nanocrystalline Materials, 2001, 10, 525-530.	0.1	2
202	Modeling Polymer Crystallization: T-CR-T Diagram Construction. International Journal of Polymeric Materials and Polymeric Biomaterials, 2002, 51, 49-56.	3.4	2
203	Off-diagonal magnetoimpedance effect in Fe80B20 amorphous ribbons. Journal of Non-Crystalline Solids, 2008, 354, 5147-5149.	3.1	2
204	Glass-Coated Cu-Mn-Ga Microwires Produced by Taylor-Ulitovsky Technique. Solid State Phenomena, 0, 152-153, 79-84.	0.3	2
205	Microstructural properties of Fe-doped ZnO thin films and first-principals calculations. International Journal of Nanoparticles, 2010, 3, 267.	0.3	2
206	Recovery, grain growth and recrystallization of mechanically alloyed FeAl alloy. IOP Conference Series: Materials Science and Engineering, 2010, 13, 012021.	0.6	2
207	Solid state amorphisation of mechanically alloyed Fe-Co-Nb-B alloys. International Journal of Nanoparticles, 2011, 4, 45.	0.3	2
208	Magneticâ€field influence on magnetization dependence of temperature in Cu₅₆Ga₂₇Mn₁₇ annealed microwires. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 515-519.	1.8	2
209	Structural characterization of mechanically alloyed nanocrystalline Cu-Fe: Strain broadening due to dislocations. EPJ Web of Conferences, 2012, 29, 00048.	0.3	2
210	Structural and Magnetization Changes at High Temperature in Co₅₀Mn₃₀In₂₀ Alloy. Journal of Nanoscience and Nanotechnology, 2012, 12, 7442-7445.	0.9	2
211	Synthesis, crystal structure, and vibrational study of K2Cu(HPO4)2Â·6H2O: A new metal hydrogenphosphate compound. Journal of Molecular Structure, 2015, 1099, 181-188.	3.6	2
212	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.	2.6	2
213	Effect of Amorphization Degree on Mechanical and Microstructural Properties of Portland Cement Paste. Journal of Materials in Civil Engineering, 2017, 29, 04017019.	2.9	2
214	Structural, thermal and hyperfine properties of Fe75Se25 powders prepared by mechanical alloying. Materials Chemistry and Physics, 2018, 217, 477-485.	4.0	2
215	Martensitic Transformation and Crystalline Structure of Ni50Mn50â^'xSnx Melt-Spun Heusler Alloys. Crystals, 2020, 10, 853.	2.2	2
216	Structure, Microstructure, and Magnetic Properties of Melt Spun Ni50Mn50â^'xInx Ribbons. Magnetochemistry, 2021, 7, 63.	2.4	2

#	Article	IF	Citations
217	Off-Diagonal Magnetoimpedance Dependence of Magnetostriction and Anisotropy in Co-Based and Fe-Based Amorphous Ribbons. Acta Physica Polonica A, 2010, 118, 756-758.	0.5	2
218	Development of Fe-based nanocrystalline materials by mechanical alloying. Revista De Metalurgia, 2008, 44, .	0.5	2
219	Mechanical Alloying as an Amorphization Route: Application to FeNiPSi Alloys. Materials Science Forum, 1997, 235-238, 169-174.	0.3	1
220	Thermal Stability Study of some Fe-Ni-P-Si Alloy Powders. Materials Science Forum, 1998, 269-272, 175-180.	0.3	1
221	Relaxation Kinetics of Mechanically Alloyed Powders. Fe-Ni-Si-P: A Case Study. Materials Science Forum, 2001, 360-362, 459-466.	0.3	1
222	Mechanosynthesis of an Fe-Ni Melt-Spun Amorphous Alloy under Different Milling Conditions. Materials Science Forum, 2003, 426-432, 1927-1932.	0.3	1
223	Preparation and Characterization of Three Fe-M (M = Ni, Zr, Nb) Based Alloys Produced by Mechanical Alloying. Materials Science Forum, 2003, 426-432, 4325-4330.	0.3	1
224	The corrosion resistance of a Fe/Cu composite. Materials and Corrosion - Werkstoffe Und Korrosion, 2006, 57, 568-572.	1.5	1
225	Thermal Annealing Influence on Magnetic and Structural Properties of Cu₅₆Ga₂₈Mn₁₆ Microwires. Materials Research Society Symposia Proceedings, 2009, 1200, 90.	0.1	1
226	Development of nanostructured materials by mechanical alloying and/or rapid solidification. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2156-2159.	0.8	1
227	Offâ€diagonal magnetoimpedance effect in field quenched Co₆₉Fe₄Si₁₅B₁₂ amorphous ribbons. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2265-2268.	1.8	1
228	Thermomagnetic and structural analysis of as-quenched Ni49Co1Mn37Sn13. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1116-1119.	0.8	1
229	Structural and Magnetic Changes due to the Martensitic Transformation in Rapidly Solidified Ni50Mn37Sn6.5In6.5 Ribbons. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2165-2170.	1.8	1
230	Structural and thermal characterizations of the solid-state reaction between Ni, Al, and Ti powders during mechanical alloying. Journal of Thermal Analysis and Calorimetry, 2016, 125, 721-727.	3.6	1
231	Tailoring of Soft Magnetic Properties and High Frequency Giant Magnetoimpedance in Amorphous Ribbons. Springer Series in Materials Science, 2017, , 33-52.	0.6	1
232	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.	3.0	1
233	Martensitic transformation and magnetic behavior in Mn-rich Heusler MnNiIn shape memory alloys. IOP Conference Series: Materials Science and Engineering, 2019, 504, 012009.	0.6	1
234	Thermal and structural properties of ball milled Co₅₀Ni₅₀powders. Materiaux Et Techniques, 2011, 99, 707-716.	0.9	1

#	Article	IF	Citations
235	Desarrollo de materiales de base Fe a partir de la sÃntesis de precursores por aleado mecÃ¡nico. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2005, 44, 405-408.	1.9	1
236	Solid state amorphisation of a Fe-Co-Nb-B powder mixture by mechanical alloying. Annales De Chimie: Science Des Materiaux, 2010, 35, 169-176.	0.4	1
237	Modeling Polymer Crystallization: DSC Approach. Lecture Notes in Physics, 2003, , 297-311.	0.7	0
238	Mol̂ssbauer Analysis of Fe94â^'xNb6Bx (x = 9, 14, 20) Alloys Developed by Mechanical Alloying. AIP Conference Proceedings, 2005, , .	0.4	0
239	Synthesis and characterization of nanocrystalline Fe60X20B10P10 (X=Co, Ni) alloys. Journal of Non-Crystalline Solids, 2008, 354, 5129-5131.	3.1	0
240	Thermal and structural study of nanocrystalline Fe(Co)NiZrB alloys prepared by mechanical alloying. Journal of Materials Science, 2010, 45, 557-561.	3.7	0
241	Amorphous metal nanocrystallization changes due to mechanical alloying. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2660-2662.	0.8	0
242	Structure of rapidly quenched Gaâ€free Heusler alloys. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2281-2283.	1.8	0
243	Martensitic Transformation in Mn-Ni-Sn Alloys. Materials Science Forum, 0, 738-739, 468-472.	0.3	0
244	Electric fire hazards at home and in the classroom. Physics Education, 2013, 48, 558-560.	0.5	0
245	Study of the structural and magnetic properties of Feâ€doped ZnO. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1140-1143.	0.8	0
246	Structural, microstructural and magnetic properties of 1% Fe-doped ZnO powder nanostructures prepared by mechanical alloying. International Journal of Nanotechnology, 2015, 12, 685.	0.2	0
247	Morphology, structural and thermal characterization of nanocrystalline Ni50Cu30(Fe2B)10P10 powders prepared by mechanical alloying. European Physical Journal Plus, 2016, 131, 1.	2.6	0
248	Structural and thermal study of nanostructured Cr 80 Co 10 Si 10 mixture. Advanced Powder Technology, 2016, 27, 1663-1668.	4.1	0
249	DESIGN OF A RUBRIC FOR GRADING PROBLEM-BASED LEARNING AT THE FACULTY OF MEDICINE OF THE UNIVERSITY OF GIRONA. INTED Proceedings, 2021, , .	0.0	0
250	BLENDED LEARNING: APPLICATION DURING PANDEMIC. INTED Proceedings, 2021, , .	0.0	0
251	FLIPPED CLASSROOM: PHYSICS FOR ENGINEERS. EDULEARN Proceedings, 2021, , .	0.0	0
252	CHARACTERIZATION OF Fe-Ni-P-Si AMORPHOUS ALLOYS. , 1998, , .		0

#	Article	IF	Citations
253	PHYSICS WITH MOBILE MATH TECHNOLOGY. , 2016, , .		0
254	MOOC: APPLIED PHYSICS. , 2016, , .		0
255	LEARNING STEM WITH MOBILE TECHNOLOGY: EXPERIENCES AND EXAMPLES OF PHYSICS, MATH, CALCULATOR (WITH YOUR FINGERTIPS)!. INTED Proceedings, 2017, , .	0.0	0
256	DIMENSIONAL ANALYSIS WITH MOBILE APPLICATIONS. INTED Proceedings, 2018, , .	0.0	0
257	APPS IN PHYSICS COURSES: THE PERCEPTION OF STUDENTS. INTED Proceedings, 2022, , .	0.0	0