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The science and technology of mechanical alloying

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#	Paper	IF	Citations
466	Ball temperatures during mechanical alloying in planetary mills. <i>Journal of Alloys and Compounds</i> , 2002 , 346, 276-281	5.7	88
465	Synthesis and magnetic properties of zinc ferrite from mechanochemical and thermal treatments of Zn \cdot Fe ₃ O ₄ mixtures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 360, 146-152	5.3	14
464	Microstructural Features of Solid-State Diffusion Bonded Incoloy MA 956. 2003 , 18, 599-608		2
463	Steady state products in the Fe \cdot Cu system produced by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2003 , 353, 194-199	5.7	24
462	Hydrogenation of Ti-based quasicrystals. 2003 , 53, 265-271		
461	Mechanism of low-temperature ϵ -CuGa ₂ phase formation in Cu-Ga alloys by mechanical alloying. 2004 , 96, 6120-6126		15
460	Syntheses of Ta ₃ Si, Ta ₂ Si, Ta ₅ Si ₃ , and TaSi ₂ by Mechanical Alloying. 2004 , 20-21, 201-206		
459	Nanophases in mechanochemically synthesized Ag \cdot Cu system: structure, phase stability and phase transitions. 2004 , 65, 1669-1677		22
458	Phase transformation and thermal stability of mechanically alloyed W \cdot Ni \cdot Fe composite materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 379, 148-153	5.3	47
457	Preparation of nanocrystalline materials by high-energy milling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 386, 442-446	5.3	17
456	Optical phonons in mechanical alloyed Zn ₅₀ Se ₅₀ mixture. 2004 , 36, 117-121		1
455	Short Time High Energy Milling: Mechanical Aspects Related to the Processing of Iron-Aluminium for Low Ball to Powder Weight Ratio. 2004 , 20-21, 275-280		
454	Microstructure, fabrication and properties of quasicrystalline Al \cdot Ti \cdot Fe alloys: a review. <i>Journal of Alloys and Compounds</i> , 2004 , 363, 154-178	5.7	193
453	Study of alloying mechanisms of ball milled Fe \cdot Cr and Fe \cdot Cr \cdot Co powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 288, 282-296	2.8	39
452	Rapid synthesis of Ti alloy with B addition by spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 390, 344-349	5.3	53
451	Preparation of nanocrystalline Fe \cdot Si \cdot Ni soft magnetic powders by mechanical alloying. 2005 , 123, 74-79		38
450	Mechanical alloying of Fe \cdot Ni based nanostructured magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 292, 286-298	2.8	37

449	Properties of severe plastically deformed Mg alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 402, 163-169	5-3	35
448	Microstructural evolution during mechanical alloying of Mg and Ni. <i>Journal of Alloys and Compounds</i> , 2005 , 391, 267-276	5-7	29
447	Mg alloy matrix composite reinforced with TiNi continuous fiber prepared by ball-milling/hot-pressing. 2005 , 36, 1590-1594		12
446	Effects of Minor Element Additions to the Nanocrystalline FeAl Intermetallic Alloy Obtained by Mechanical Alloying. 2005 , 20, 823-832		9
445	Microstructure and morphology of Al ₃ Ti bearing alloy synthesized by mechanical alloying and hot extrusion. <i>Journal of Alloys and Compounds</i> , 2006 , 419, 66-70	5-7	23
444	Two alternative synthesis routes for MnZn ferrites using mechanochemical treatments. 2006 , 32, 857-863		17
443	Amorphization and thermal stability of mechanical alloyed W ₅₀ Ni ₅₀ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 417, 34-39	5-3	18
442	Solid solution in Al ₈₅ .5wt% Cu produced by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 433, 45-49	5-3	45
441	Temperature of the milling balls in shaker and planetary mills. 2006 , 41, 5246-5249		99
440	Kinetic study of ZnFe ₂ O ₄ formation from mechanochemically activated ZnO ₂ mixtures. 2006 , 41, 714-723		22
439	Structural and soft magnetic properties of nanocrystalline Fe ₈₅ Si ₁₀ Ni ₅ powders prepared by mechanical alloying. 2006 , 60, 1068-1070		22
438	Preparation and Evaluation of Ordinary Attritor Milled Ti-Al Powders and Corresponding Thermal Sprayed Coatings. <i>Materials Transactions</i> , 2006 , 47, 1717-1722	1-3	1
437	Mechanical Alloying of Al ₂ O ₃ -Co Powders Mixture. 2006 , 306-308, 1109-1114		2
436	Effect of Hot-Forging on NiTi Shape Memory Alloy Fibers Reinforced Mg Alloy Composite. 2007 , 534-536, 873-876		
435	Monophasic Ti _{1-x} Nb _{1-2x} CxN _{1-3x} nanopowders obtained at room temperature by MSR. 2007 , 17, 650-653		38
434	Effect of ball milling on chemically synthesized nanoparticles of CaCO ₃ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 452-453, 395-400	5-3	9
433	Microstructural characterization of intercritically annealed low alloy PM steels. 2007 , 28, 1224-1230		7
432	The influence of mechanical milling on structure and soft magnetic properties of NiFe and NiFeMo alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e838-e841	2.8	29

431	Mechanochemistry of sulphides. 2007 , 90, 85-92		10
430	Mechanical mixing of molecular crystals. 2007 , 90, 115-123		24
429	Structural evolution of ball-milled permalloy. 2007 , 168, 1091-1096		1
428	Development of new Al-based nanocomposites by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 480, 392-396	5-3	35
427	Progress in synthesis of ferroelectric ceramic materials via high-energy mechanochemical technique. 2008 , 53, 207-322		254
426	High coercivity in Nd-Fe-Al-Co alloys prepared by mechanical milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 429-434	2.8	3
425	Mechanochemical activation of a titanium-magnetite mixture: Mössbauer spectroscopy study. 2008 , 28, 2725-2730		2
424	Ball-milling treatment effect on physicochemical properties and features for cassava and maize starches. 2008 , 11, 73-79		87
423	Synthesis of an Al-based Al-Cr-Co alloy by mechanical alloying and its thermal stability. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 472, 208-213	5-3	9
422	Structural alterations during mechanochemical activation of a titanium-magnetite mixture. 2008 , 111, 341-345		8
421	High-Energy Milling. 2008 , 103-132		25
420	Applied Mechanochemistry. 2008 , 297-405		10
419	Kinetics analysis of mechano-chemically and thermally synthesized Cu by Johnson-Mehl-Avrami model. <i>Journal of Alloys and Compounds</i> , 2008 , 455, 447-453	5-7	16
418	Softening behaviour of nanostructured Al-4wt% Zn alloy during mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2008 , 464, 107-110	5-7	34
417	Effect of Mechanical Milling on the Microstructure and Hydrogen Interaction of Both Mm-Ni and MmNi5-Ni Mixtures. 2008 , 570, 72-77		
416	Abnormal alloying behaviour observed in an immiscible Zr-Nb system. 2008 , 41, 095310		13
415	Amorphization, nanocrystallization and magnetic properties of mechanically milled Sm-Co magnetic powders. 2008 , 99, 773-778		6
414	Characterisation of complex hydrides synthesised or modified by ball milling. 2008 , 99, 553-556		1

413	Effect of Milling Time on Crystallite Size and Morphology of Nickel Aluminate Based Composite Powder Prepared by Mechanical Assisted SHS Route. 2009 , 83-86, 940-944		
412	A study on preparation of Mo _{0.6} Ti _{0.2} Zr _{0.02} C alloy by mechanical alloying and hot isostatic pressing, and its characterization. 2009 , 113, 562-566		18
411	On structure and mechanical properties of ultrasonically cast Al ₂ O ₃ nanocomposite. 2009 , 44, 1154-1160		101
410	Mechanosynthesis and magnetic properties of nanocrystalline LaFeO ₃ using different iron oxides. 2009 , 44, 1036-1040		25
409	Effect of La ₂ O ₃ on microstructure and high-temperature wear property of hot-press sintering FeAl intermetallic compound. 2009 , 27, 1031-1036		5
408	Characterization of a mechanochemically activated titanium-hematite mixture: Mössbauer spectroscopy study. 2009 , 404, 2751-2753		2
407	In-situ TiB ₂ /Al ₂ O ₃ formed composite coatings by atmospheric plasma spraying: Influence of process parameters and in-flight particle characteristics. 2009 , 203, 1649-1655		17
406	On the formation of phases by mechanical alloying and their thermal stability in Al-Mn-Ce system. 2009 , 191, 176-181		12
405	Mechanosynthesis of nanostructured magnetic Ni ₂ Zn ferrite. 2009 , 193, 150-153		43
404	Ti ₅₀ Cu ₂₃ Ni ₂₀ Sn ₇ bulk metallic glasses prepared by mechanical alloying and spark-plasma sintering. 2009 , 209, 3285-3288		40
403	Highly anisotropic resin-bonded magnets processed with surfactant-coated SmCo ₅ nanocrystalline powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 3138-3143	2.8	17
402	Microstructural and magnetic properties of nanostructured Fe and Fe ₅₀ Co ₅₀ powders prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2009 , 474, 18-22	5-7	37
401	In-situ Al-based bulk nanocomposites by solid-state aluminothermic reaction in Al-Ti system. <i>Journal of Alloys and Compounds</i> , 2009 , 475, 178-183	5-7	9
400	Structural study of nanocrystalline Fe ₈₀ Ni ₂₀ alloys prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2009 , 483, 604-607	5-7	13
399	Textured resin-bonded Sm(Co,Fe,Cu) ₅ nanostructured magnets exploiting magnetic field and surfactant-assisted milling. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 322-327	5-7	29
398	Synthesis and characterization of NiAl ₂ O ₃ nanocomposite powder by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 178-181	5-7	54
397	The effect of milling time and composition on microstructural and magnetic properties of nanostructured Fe ₈₀ alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 45-50	5-7	38
396	Milling and subsequent thermal annealing effects on the microstructural and magnetic properties of nanostructured Fe ₉₀ Co ₁₀ and Fe ₆₅ Co ₃₅ powders. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 161-166	5-7	27

395	Study on morphology and magnetic behavior of SmCo ₅ and SmCo ₅ /Fe nanoparticles synthesized by surfactant-assisted ball milling. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 645-649	5-7	31
394	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	5-7	30
393	Glass forming ability of the Fe ₂ ZrCu system studied by thermodynamic calculation and ion beam mixing. <i>Journal of Alloys and Compounds</i> , 2009 , 481, 156-160	5-7	20
392	Synthesis of complex carbonitride powders Ti _y MT _{1-x} C _x N _{1-x} (MT: Zr, V, Ta, Hf) via a mechanically induced self-sustaining reaction. <i>Journal of Alloys and Compounds</i> , 2009 , 482, 349-355	5-7	26
391	Microstructure and transformation of Al-containing nanostructured 316L stainless steel coatings processed using spark plasma sintering. 2010 , 210, 2119-2124		18
390	Effects of mechanical alloying on characteristics of nanocrystalline Fe ₂ W ₂ Ti ₂ O ₃ powders. 2010 , 403, 198-203		8
389	Influence of organic surfactants on structural stability of mechanochemically treated bentonite. 2010 , 101, 161-168		8
388	High energy ball-mill behavior of titania + hydroxyapatite composite nano-powders. 2010 , 61, 1290-1293		7
387	Structural and magnetic properties of a mechanochemically activated Ti ₂ Fe ₂ O ₃ solid mixture. 2010 , 45, 1984-1989		7
386	Solid-state transformation in nanocrystalline Ti induced by ball milling. 2010 , 64, 1215-1218		39
385	A Seed-Based Diffusion Route to Monodisperse Intermetallic CuAu Nanocrystals. 2010 , 122, 2979-2983		35
384	A seed-based diffusion route to monodisperse intermetallic CuAu nanocrystals. 2010 , 49, 2917-21		147
383	Effect of composition on structural and magnetic properties of nanocrystalline ball milled Ni _{1-x} Zn _x Fe ₂ O ₄ ferrite. 2010 , 405, 507-512		51
382	Structure and mechanical properties of Al ₂ Ni ₃ amorphous powder consolidated by pressure-less, pressure-assisted and spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 3757-3763	5-3	53
381	The thermal explosion synthesis of AlNi monitored by neutron thermodiffractometry. 2010 , 58, 2769-2777		3
380	Effect of Milling Energy Modulation on the High Temperature Synthesis of FeTi. 2010 , 636-637, 934-940		
379	Mechanical thermal synthesis of in situ Al based hybrid nanocomposites in Al ₂ Ni ₃ system. <i>Journal of Alloys and Compounds</i> , 2010 , 490, 103-109	5-7	4
378	Characterization investigations during mechanical alloying and sintering of W ₂₀ vol% SiC composites. <i>Journal of Alloys and Compounds</i> , 2010 , 492, 576-584	5-7	22

377	Microstructural and hardness evolution of mechanically alloyed Fe ₈₀ Mn ₂₀ powders. <i>Journal of Alloys and Compounds</i> , 2010 , 497, 369-372	5-7	30
376	Role of nano-size reinforcement and milling on the synthesis of nano-crystalline aluminium alloy composites by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2010 , 505, 772-782	5-7	62
375	Amorphization of equimolar alloys with HCP elements during mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 210-215	5-7	61
374	Powder production via electrohydrodynamic-assisted molten metal jet impingement into a viscous medium. 2010 , 203, 518-528		13
373	On the general outline of physical properties of amorphous-nanocrystalline Fe ₈₀ Mn ₂₀ alloy powders prepared by mechanical alloying under nitrogen. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3252-3256	5-7	14
372	Structure and properties of mechanically alloyed composite material from waste of high purity aluminium production. 2011 , 54, 471-473		2
371	Effect of mechanical alloying and consolidation process on microstructure and hardness of nanostructured Fe ₈₀ Al ODS alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 8374-8380	5-3	40
370	Fabrication and characterization of ODS austenitic steels. 2011 , 417, 283-285		39
369	A practical grinding-assisted dry synthesis of nanocrystalline NiMoO ₄ polymorphs for oxidative dehydrogenation of propane. 2011 , 184, 3357-3363		19
368	Precipitation hardening through sacrificial phase in aluminum-quasicrystal metal matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 4845-4848	5-3	3
367	Structural investigation of mechanically activated nanocrystalline BaTiO ₃ powders. 2011 , 37, 2513-2518		13
366	Investigation of mechanically attrited structures induced by repeated impacts on an AISI1045 steel. 2011 , 339, 552-562		13
365	The effect of multi-step milling and annealing treatments on microstructure and magnetic properties of nanostructured Fe ₈₀ Si powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 669-674	2.8	16
364	Mechanochemically activated synthesis of zirconium carbide nanoparticles at room temperature: A simple route to prepare nanoparticles of transition metal carbides. 2011 , 31, 1491-1496		40
363	Solidification Structure Characteristics and Mechanical Properties of (Ag-Cu ₂₈)-25Sn Alloy Ribbons Prepared by Melt Spinning Method. 2011 , 682, 75-79		
362	Advantages of Nanocrystalline Materials for Microwave-Absorbing. 2012 , 16, 37-41		
361	Effect of Boron on the Amorphization of Fe-Si Alloys by Mechanical Alloying. 2012 , 730-732, 739-744		2
360	Physicochemical Analysis of Ti-Si-B Powder Alloys. 2012 , 727-728, 287-292		1

359	Isothermal kinetics of mechanochemically and thermally synthesized Ag from Ag ₂ O. 2012 , 22, 935-942		13
358	The production of nanocrystalline cobalt titanide intermetallic compound via mechanical alloying. 2012 , 29, 104-109		13
357	Dependence of volume changes during solid solution formation and of volume size factor on solute volume, group number and crystalline structure. 2012 , 22, 142-153		1
356	Effect of mechanical alloying on the microstructure and properties of Al ₃ Ni ₂ Mg alloy. <i>Journal of Alloys and Compounds</i> , 2012 , 540, 100-106	5-7	16
355	Microstructure evolution and thermal properties in FeMoPCB alloy during mechanical alloying. 2012 , 358, 1459-1464		8
354	Thermal Behavior of Mechanically Alloyed Powders Used for Producing an Fe-Mn-Si-Cr-Ni Shape Memory Alloy. 2012 , 21, 2407-2416		16
353	Dry sliding friction of Al-based composites reinforced with various boron-containing particles. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S126-S129	5-7	18
352	Synthesis and structural properties of Ni ₄₀ Cr ₂₀ Y ₂₀ O ₃ nanocomposite alloy prepared by a very high energy mechanical milling. 2012 , 137, 129-134		4
351	The thermal stability of nanocrystalline copper cryogenically milled with tungsten. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 558, 226-233	5-3	64
350	Mixing properties of Al ₃ Mg liquid alloy. 2012 , 86, 783-786		6
349	Comminution and mechanochemical activation in oxide ceramics technology (review). 2012 , 69, 65-70		11
348	Thermal characteristics and analysis of pyrolysis effects during the mechanical alloying process of Al ₃ Cr ₂ Mg powders. 2012 , 108, 453-460		12
347	Metallic glass formation in the ternary Ni-Nb-Mo system by ion beam mixing. 2012 , 55, 2206-2211		3
346	Effect of La addition on electrochemical properties of amorphous LaMg ₁₁ Zr ₂ +200Ni alloy. 2012 , 17, 291-296		
345	Effects of the Ti/Fe ratio on the phase composition and magnetic properties of mechanochemically activated Ti ₄₀ Fe ₂₀ O ₃ mixtures. 2012 , 133, 971-976		5
344	Structure and magnetic properties of mechanically alloyed (Fe ₇₀ Co ₃₀) ₉₁ Cu ₉ powder. 2012 , 36, 35-40		11
343	Structural evolution during mechanical alloying of stainless steels under nitrogen. 2012 , 215-216, 247-253		48
342	Size and structure evolution of yttria in ODS ferritic alloy powder during mechanical milling and subsequent annealing. 2012 , 217, 281-287		55

341	Emission properties of Mn doped ZnO nanoparticles prepared by mechanochemical processing. 2012 , 132, 1735-1739	50
340	Synthesis and Characterization of High-Energy Ball-Milled Tungsten Heavy Alloy Powders. 2013 , 38, 2503-2507	5
339	Effect of mechanical alloying and annealing on the sintering behaviour of AlCrL powders with SiC and carbon addition. 2013 , 113, 395-403	16
338	Mechanochemistry of inorganic and organic systems: what is similar, what is different?. 2013 , 42, 7719-38	409
337	Synthesis of W-3 wt% Mn-2 wt% VC composites by high energy milling and sintering. 2013 , 19, 533-541	2
336	Complexities of mechanochemistry: elucidation of processes occurring in mechanical activators via implementation of a simple organic system. 2013 , 15, 6403	49
335	A nanoscale dispersion of TiC in cast carbon steel through a reaction in melt. 2013 , 138, 423-426	7
334	Events and reaction mechanisms during the synthesis of an Al ₂ O ₃ -TiB ₂ nanocomposite via high energy ball milling. 2013 , 7, 123-129	20
333	Influence of Metal Properties on the Formation and Evolution of Metal Coatings During Mechanical Coating. 2013 , 44, 2717-2724	7
332	Room-Temperature Mechanochemical Synthesis of W ₂ B ₅ Powders. 2013 , 44, 1805-1813	8
331	Mechanical alloying of ODS tungsten heavy alloys and microstructure development of intermetallic compounds. 2013 , 19, 1047-1051	9
330	Synthesis and Characterization of Carbon-Coated Magnetite for Functionalized Ferrofluids. 2013 , 49, 4547-4550	4
329	. 2013 ,	1
328	Influence of B source materials on the synthesis of TiB ₂ -Al ₂ O ₃ nanocomposite powders by mechanical alloying. 2013 , 20, 1214-1220	21
327	Conversion of W ₂ C to WC phase during mechano-chemical synthesis of nano-size WC-Al ₂ O ₃ powder using WO ₃ -Al ₂ O ₃ -(1 + x)C mixtures. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013 , 36, 116-121	4-1 23
326	Microstructure and corrosion resistance of AlCrFeCuCo high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2013 , 549, 195-199	5-7 178
325	The thermal stability of nanocrystalline cartridge brass and the effect of zirconium additions. 2013 , 48, 220-226	16
324	Microstructural evolution of oxide-dispersion-strengthened Fe-Cr model steels during mechanical milling and subsequent hot pressing. 2013 , 48, 1826-1836	15

323	Synthesis of amorphous alloys and amorphous-crystalline composites in ternary Ni-Nb-Zr system by ion beam mixing. 2013 , 141, 960-966			5
322	Effects of high temperature plasma immersion ion implantation on wear resistance of Ti-Si-B sintered alloys. 2013 , 228, 195-200			6
321	The effects of alloying and milling on the formation of intermetallics in ODS tungsten heavy alloys. 2013 , 41, 10-15			27
320	Mechanical properties of the A356 aluminum alloy modified with La/Ce. 2013 , 31, 811-816			47
319	On the amorphization behavior and hydrogenation performance of high-energy ball-milled Mg ₂ Ni alloys. 2013 , 80, 21-27			17
318	Synthesis of Mg-Al ₂ O ₃ nanocomposites by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2013 , 563, 165-170	5-7		30
317	Hallmarks of mechanochemistry: from nanoparticles to technology. 2013 , 42, 7571-637			761
316	Microstructural evolution and chemical redistribution in Fe-Cr-W-Ti ₂ O ₃ nanostructured powders prepared by ball milling. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 409-416	5-7		16
315	Microstructural observation and tensile properties of ODS-304 austenitic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 559, 287-292	5-3		66
314	Rapid synthesis of MoSi ₂ -Si ₃ N ₄ nanocomposite via reaction milling of Si and Mo powder mixture. 2013 , 20, 1107-1114			13
313	Mechanochemical synthesis of metallic-ceramic composite powders. 2013 , 399-430			4
312	The evolution of electronic configuration and magnetic characterization of Fe ₉ Ni ₁ , Fe ₈ Ni ₂ alloy in theoretical calculation. 2013 , 86, 1			1
311	Ceramic nanoparticles in metal matrix composites * *Part of Section 6.5 was adapted from He, F., Han, Q., Jackson, M. J., 2008. Nanoparticulate reinforced metal matrix nanocomposites - a review. <i>International Journal of Nanoparticles</i> . 1(4). pp. 301-309. Used with permission from Inderscience. Inderscience retains copyright of the original material.. 2013 , 185-207			1
310	Mechanochemical synthesis of metallic-ceramic composite powders. 2013 , 193-223			2
309	Formation of Nanocal Oxide Particles and Evaluation of Threshold Stress of Fe-9Cr-0.2Ti-0.3Y ₂ O ₃ Nanostructured Ferritic Alloy. 2013 , 745-746, 398-406			
308	Processing and structure of a Nitrogen Alloyed Oxide Dispersion Strengthened Austenitic Stainless Steel by mechanical alloying. <i>Journal of Physics: Conference Series</i> , 2013 , 419, 012052	0-3		4
307	Caracterizaçã da hexaferrita de bñio obtida pelo mñodo cerñico. 2013 , 59, 448-450			
306	Low melting point nanocrystalline Sn-Ag solder synthesized by a refined chemical reduction method. 2014 , 59, 4147-4151			1

305	Influence of Type of Alcohol as the Process Control Agent on Ti-20Ta-20Nb Alloy Preparation by Mechanical Alloying. 2014 , 126, 875-878		2
304	Mechanical alloying by friction stir processing. 2014 , 387-425		3
303	Microstructure and mechanical properties of thermoelectric nanostructured n-type silicon-germanium alloys synthesized employing spark plasma sintering. 2014 , 105, 061902		31
302	Mechanochemistry in Technology: From Minerals to Nanomaterials and Drugs. 2014 , 37, 747-756		26
301	Joining of Oxide Dispersion Strengthened Steels for Advanced Reactors. 2014 , 66, 2442-2457		16
300	High strain in polycrystalline Ni _{48.8} Mn _{31.4} Ga _{19.8} Heusler alloys under overlapped static and oscillating magnetic fields. 2014 , 116, 114507		2
299	Densification of Mechanically Alloyed Al ₅₀ 83-5wt% Y ₂ O ₃ Nano Composite by Equal Channel Angular Pressing. 2014 , 592-594, 963-967		1
298	Densification and Consolidation of Al 5083 Alloy Powder by Equal Channel Angular Pressing. 2014 , 592-594, 112-116		1
297	Mechanical alloying synthesis and spark plasma sintering consolidation of CoCrFeNiAl high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2014 , 589, 61-66	5:7	159
296	Evolution study of microstructure and electromagnetic behaviors of Fe ₄₀ Co ₂₀ Ni alloy with mechanical alloying. 2014 , 185, 86-93		44
295	Microstructural and hardness behavior of graphene-nanoplatelets/aluminum composites synthesized by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2014 , 615, S578-S582	5:7	214
294	Influence of Mn solute content on grain size reduction and improved strength in mechanically alloyed Al-Mn alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 589, 57-65	5:3	30
293	Mechanical alloying and spark plasma sintering of CoCrFeNiMnAl high-entropy alloy. <i>Advanced Powder Technology</i> , 2014 , 25, 1334-1338	4:6	77
292	Mitigating grain growth in binary nanocrystalline alloys through solute selection based on thermodynamic stability maps. 2014 , 84, 255-266		94
291	Reactive and Metastable Nanomaterials Prepared by Mechanical Milling. 2014 , 227-278		6
290	Optimization of milling parameters for the mechanosynthesis of nanocrystalline hydroxyapatite. 2014 , 253, 650-656		19
289	Processing, Microstructures, and Mechanical Properties of Magnesium Matrix Composites: A Review. 2014 , 27, 762-774		55
288	The Effect of Mechanical Activation on Non-isothermal Decomposition Kinetics of Ag ₂ O-Graphite Mixture. 2014 , 39, 7503-7512		5

287	Microstructure and properties of Fe-Al intermetallic coatings on the low carbon steel synthesized by mechanical alloying. 2014 , 73, 849-858		17
286	Isothermal nitridation kinetics of TiSi ₂ powders. 2014 , 212, 134-140		5
285	Phase Evolution and Mechanical Properties of Nano-TiO ₂ Dispersed Zr-Based Alloys by Mechanical Alloying and Conventional Sintering. 2014 , 45, 3748-3754		11
284	Copper Nanoparticles: Synthetic Strategies, Properties and Multifunctional Application. 2014 , 13, 1430001		64
283	Effect of the cooling rate on the phase transformation of Astaloy CrL powders modified with SiC addition. <i>Advanced Powder Technology</i> , 2014 , 25, 543-550	4.6	6
282	Tensile and Charpy impact properties of an ODS ferritic/martensitic steel 9Cr-0.8W-0.5Ti-0.35Y ₂ O ₃ . 2014 , 89, 280-283		16
281	Strain rate sensitivity studies on bulk nanocrystalline aluminium by nanoindentation. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 795-799	5.7	25
280	High-strength ultrafine grain Mg-4%Al alloy synthesized by consolidation of mechanically alloyed powders. <i>Journal of Alloys and Compounds</i> , 2014 , 610, 456-461	5.7	28
279	Mechanochemical carboaluminothermic reduction of rutile to produce Ti-Al ₂ O ₃ nanocomposite. <i>Advanced Powder Technology</i> , 2014 , 25, 423-429	4.6	40
278	Evaluation of process behavior and crystallite specifications of mechano-chemically synthesized WC-Al ₂ O ₃ nano-composites. 2014 , 49, 160-166		10
277	Magnetic and structural properties of nanostructured (Fe ₆₅ Co ₃₅) _{100-x} Cr _x (x = 0, 10) powders prepared by mechanical alloying process. <i>Advanced Powder Technology</i> , 2014 , 25, 211-218	4.6	9
276	Evaluation the Impact of Annealing on Phase Evolution, Microstructure, and Magnetic Properties of Nanocrystalline Ball-Milled LiSm Ferrite. <i>Journal of Electronic Materials</i> , 2014 , 43, 3618-3624	1.9	6
275	Hot deformation behavior and processing map of a 9Cr ferritic/martensitic ODS steel. 2014 , 455, 139-144		23
274	The effect of mechanical alloying on microstructure and mechanical properties of MoSi ₂ prepared by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2014 , 593, 242-249	5.7	19
273	Effects of Cu content and mechanical alloying parameters on the preparation of W-Cu composite coatings on copper substrate. <i>Journal of Alloys and Compounds</i> , 2014 , 585, 368-375	5.7	35
272	Mechanical nano-structuration of a C45 steel under repeated normal impacts. 2014 , 63, 012019		2
271	Mechanical Alloying for Advanced Materials. 2014 , 169-178		1
270	Solid State Reaction Mechanism and Microstructure Evolution of Ni-Al Powders during High Energy Ball Milling Revisited by TEM. 2015 , 21, 953-60		9

269	Mechanical Alloying/Milling. 2015 , 263-276		3
268	Ti-Al-Zr-B-Y Amorphous Alloy Powders Prepared by Mechanical Alloying. 2015 , 1095, 222-225		1
267	Hybrid Processing of Electroceramic Composites Involving High-Energy Ball Milling. 2015 , 577-611		
266	Using Mechanical Alloying to Create Bimetallic Catalysts for Vapor-Phase Carbon Nanofiber Synthesis. 2015 , 3, 394-410		5
265	Thermodynamic Grain Size Stabilization Models: An Overview. 2015 , 3, 65-75		51
264	Investigation on microstructural, mechanical and electrochemical properties of aluminum composites reinforced with graphene nanoplatelets. 2015 , 25, 460-470		134
263	Feasibility of using Y ₂ Ti ₂ O ₇ nanoparticles to fabricate high strength oxide dispersion strengthened Fe-Al steels. 2015 , 88, 862-870		28
262	Highly toughened dense Ti-Ni composite by in situ decomposition of (Ti,Ni)C solid solution. 2015 , 41, 4656-4661		20
261	Effect of Composition on Structural and Magnetic Properties of Nanocrystalline Ferrite Li _{0.5} Sm x Fe _{2.5} O ₄ . 2015 , 54, 31-39		3
260	Effect of Microwave and Conventional Heating on Sintering Behavior of Cu-10vol.%SiC Nanocomposites. 2015 , 819, 274-279		1
259	Effect of Ba(Zn _{1/3} Nb _{2/3})O ₃ modification on structure and ferroelectric properties of 0.6Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.4Pb(Zr _{0.52} Ti _{0.48})O ₃ ceramics. 2015 , 41, 8367-8376		2
258	Thermodynamic Characteristic and Phase Evolution in Immiscible Cr-Mo Binary Alloys. 2015 , 28, 1074-1081		5
257	Austenitic stainless steel strengthened by the in situ formation of oxide nano-inclusions. 2015 , 5, 20747-20750		76
256	Microstructure characterization and tensile properties of 18Cr-Al-oxide dispersion strengthened ferritic steel. <i>Journal of Alloys and Compounds</i> , 2015 , 648, 39-45	5-7	21
255	Effect of heat absorbing alumina addition on mechanochemical synthesis of WC-Al ₂ O ₃ nanocomposites. 2015 , 114, 144-149		6
254	A novel fabrication technology of in situ TiB ₂ /6063Al composites: High energy ball milling and melt in situ reaction. <i>Journal of Alloys and Compounds</i> , 2015 , 639, 215-223	5-7	42
253	Highlights from Faraday Discussion 170: challenges and opportunities of modern mechanochemistry, Montreal, Canada, 2014. 2015 , 51, 6248-56		38
252	Effect of mechanical alloying synthesis process on the dielectric properties of (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ piezoceramics. 2015 , 68, 260-266		7

251	Morphology and structure evolution of Y2O3 nanoparticles in ODS steel powders during mechanical alloying and annealing. <i>Advanced Powder Technology</i> , 2015 , 26, 1578-1582	4.6	23
250	Fabrication of Fe-Cr-Mo powder metallurgy steel via a mechanical-alloying process. 2015 , 21, 1031-1037		2
249	MPB Phase Transition and Microstructure of (1 - x)PMN-xPZT Activated by 0.05BZN Ceramics. 2015 , 165, 19-28		0
248	Phase development during high-energy ball-milling of zinc oxide and iron - the impact of grain size on the source and the degree of contamination. 2015 , 44, 18870-81		20
247	Parametric optimization for the production of nanostructure in high carbon steel chips via machining. 2015 , 6, 957-965		1
246	Overviews of Synthesis of Nanomaterials. 2015 , 51-115		6
245	Characterization of Mechanically Alloyed Al5083 Alloy and Composite and Consolidation by Equal Channel Angular Pressing. 2015 , 764-765, 23-27		2
244	Effect of milling parameters on the synthesis of Al-Ni intermetallic compound prepared by mechanical alloying. 2015 , 116, 859-868		7
243	Structural evolution of oxide dispersion strengthened austenitic powders during mechanical alloying and subsequent consolidation. 2015 , 272, 309-315		24
242	Dielectric and magnetic characterization of barium hexaferrite ceramics. 2015 , 41, 241-246		16
241	Development of a nanostructured Zr3Co intermetallic getter powder with enhanced pumping characteristics. 2015 , 57, 51-59		12
240	Alloying behavior and novel properties of CoCrFeNiMn high-entropy alloy fabricated by mechanical alloying and spark plasma sintering. 2015 , 56, 24-27		202
239	Modification of Surface Layers by Surfacing Intermetallic Coatings with Variable Properties. 2016 , 116, 012023		1
238	Dependence of grain size and defect density on the magnetic properties of mechanically alloyed Fe90W10 powder. 2016 , 120, 143903		2
237	Studies on alloying process of a ferritic/martensitic oxide dispersion strengthened (ODS) steel prepared by mechanical alloying of elemental powders. 2016 , 59, 350-358		4
236	Development of Cu-E-Glass Fiber Composites by Powder Metallurgy Route. 2016 , 115, 012023		1
235	The effects of processing techniques on magnesium-based composite. 2016 ,		0
234	Effect of cerium/lanthanum addition on microstructure and mechanical properties of Al7075 alloy via mechanical alloying and sintering. 2016 , 34, 420-427		11

233	Microstructure and Mechanical Properties of Aluminum-Alumina Bulk Nanocomposite Produced by a Novel Two-Step Ultrasonic Casting Technique. 2016 , 47, 5630-5640		4
232	Solid-State Foaming by Oxide Reduction and Expansion: Tailoring the Foamed Metal Microstructure in the Cu ₂ O System with Oxide Content and Annealing Conditions. 2016 , 18, 83-95		9
231	Study of the feasibility of producing Al ₃ Ni intermetallic compounds by mechanical alloying. 2016 , 117, 795-804		6
230	Microstructures and properties of Cr ₂ Cu/W ₂ Cu bi-layer composite coatings prepared by mechanical alloying. 2016 , 107, 544-552		2
229	Alloyed Steels: Mechanically. 2016 , 159-177		2
228	Production of a nanocrystalline composite of Al ₈₈ % Cu/SiC by a mechanical milling method. 2016 , 3, 105050		13
227	Filling ratio of vial. 2016 , 126, 1097-1103		6
226	Ball Milling. 2016 , 7-10		
225	Microstructural Tuning of Si/TiFeSi ₂ Nanocomposite as Lithium Storage Materials by Mechanical Deformation. 2016 , 210, 301-307		9
224	Influence of ultrasonic cavitation on microstructure and mechanical response of an aluminum/alumina nanocomposite. 2016 , 23, 481-487		4
223	Investigation on 316L/W functionally graded materials fabricated by mechanical alloying and spark plasma sintering. 2016 , 469, 32-38		31
222	On the solid-state formation of BaTiO ₃ nanocrystals from mechanically activated BaCO ₃ and TiO ₂ powders: innovative mechanochemical processing, the mechanism involved, and phase and nanostructure evolutions. 2016 , 6, 17138-17150		26
221	Effect of Ni/Cr ratio on phase, microstructure and mechanical properties of Ni _x CoCuFeCr ₂ (x=1.0, 1.2, 1.5, 1.8 mol) high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2016 , 662, 20-31	5-7	41
220	In search of the elusive IrB ₂ : Can mechanochemistry help?. 2016 , 233, 108-119		6
219	Selective laser melting of TiB ₂ /316L stainless steel composites: The roles of powder preparation and hot isostatic pressing post-treatment. 2017 , 309, 37-48		97
218	An Investigation on the Sinterability and the Compaction Behavior of Aluminum/Graphene Nanoplatelets (GNPs) Prepared by Powder Metallurgy. 2017 , 26, 993-999		39
217	One-step consolidation and precipitation hardening of an ultrafine-grained Al-Zn-Mg alloy powder by Spark Plasma Sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 685, 227-234	5-3	16
216	Sequence of phase evolution during mechanically induced self-propagating reaction synthesis of TiB and TiB ₂ via magnetically controlled ball milling of titanium and boron powders. <i>Journal of Alloys and Compounds</i> , 2017 , 701, 380-391	5-7	9

215	Microstructure and mechanical properties of Ni _{1,5} Co _{1,5} CrFeTi _{0,5} high entropy alloy fabricated by mechanical alloying and spark plasma sintering. 2017 , 119, 141-150		66
214	Mechanochemically prepared reactive and energetic materials: a review. 2017 , 52, 11789-11809		58
213	Effect of ball-milling time on mechanical and magnetic properties of carbon nanotube reinforced FeCo alloy composites. 2017 , 122, 296-306		30
212	A thermodynamic and kinetic-based grain growth model for nanocrystalline materials: Parameter sensitivity analysis and model extension. 2017 , 131, 250-265		1
211	Low power CO ₂ laser modified iron/nickel alloyed pure aluminum surface: Evaluation of structural and mechanical properties. 2017 , 315, 24-31		6
210	Microstructure and mechanical properties of ZrO ₂ particle dispersion strengthened 16MnV steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 692, 168-173	5-3	5
209	Morphological and phase evaluation of Al/15 wt.% BN nanocomposite synthesized by planetary ball mill and sintering. <i>Advanced Powder Technology</i> , 2017 , 28, 2232-2238	4.6	8
208	Effect of Nb, Y and Zr on thermal stability of nanocrystalline Al-4.5 wt.% Cu alloy prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 617-627	5-7	12
207	Microstructure and Thermal Conductivity of Al-graphene Composites Fabricated by Powder Metallurgy and Hot Rolling Techniques. 2017 , 30, 675-687		57
206	Chalcogenide mechanochemistry in materials science: insight into synthesis and applications (a review). 2017 , 52, 11851-11890		50
205	Rapid synthesis of zinc and nickel co-doped tetrahedrite thermoelectrics by reactive spark plasma sintering and mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 794-799	5-7	14
204	Mechanically assisted synthesis of multiferroic BiFeO ₃ : Effect of synthesis parameters. <i>Journal of Alloys and Compounds</i> , 2017 , 711, 77-84	5-7	29
203	Nanocomposites: A Gaze through Their Applications in Transport Industry. 2017 , 831-856		4
202	Microstructure and Magnetic Properties of Bulk FeCo Alloys Fabricated from Mechanically Alloying and Chemically Synthesized Powders. 2017 , 30, 1281-1286		2
201	Impact of friction stir welding on the microstructure of ODS steel. 2017 , 486, 129-137		10
200	Effect of Volume Fraction of Reinforcement and Milling Time on Physical and Mechanical Properties of Al ₇₀ Si ₅ BiC Composites Fabricated by Powder Metallurgy Method. 2017 , 56, 283-292		17
199	Thermal evolution of Fe - ZrO ₂ nanocomposite: Insights from calorimetric and microscopy investigations. 2017 , 132, 448-457		2
198	Comparative Study on Microscopic, Physical and Mechanical Properties of Conventional and Spark Plasma Sintered Nano-TiO ₂ -Dispersed Zirconium-Based Alloys. 2017 , 6, 527-540		

197	Effect of ball sizes on synthesis of OsB ₂ powders by mechanical alloying. 2017 , 43, 17111-17115	5
196	Preparation of a TiB ₂ /ZrB ₂ composite assisted by mechanical alloying. 2017 , 5, 397-401	3
195	Crystal Structure, Stability, and Physical Properties of Metastable Electron-Poor Narrow-Gap AlGe Semiconductor. 2017 , 56, 11591-11602	2
194	Influence of microstructure on electromechanical properties of nano-crystalline La-Pb(Ni _{1/3} Sb _{2/3})-PbZrTiO ₃ ferroelectric ceramics. 2017 , 123, 1	4
193	Defect Engineering for Realizing High Thermoelectric Performance in n-Type Mg ₃ Sb ₂ -Based Materials. 2017 , 2, 2245-2250	130
192	Processing of advanced thermoelectric materials. 2017 , 60, 1347-1364	55
191	Microstructure characteristic and mechanical property of transformable 9Cr-ODS steel fabricated by spark plasma sintering. 2017 , 132, 158-169	40
190	Powder Metallurgy. 2017 , 83-110	1
189	Phase Distribution and Magnetic Properties of Mechanically Alloyed Hard/Soft Ferrite Nanocomposites. 2017 , 30, 3097-3102	2
188	Structure-Property Correlation and Harvesting Power from Vibrations of Aerospace Vehicles by Nanocrystalline La-Pb(Ni _{1/3} Sb _{2/3})-PbZrTiO ₃ Ferroelectric Ceramics Synthesized by Mechanical Activation. 2017 , 100, 215-223	9
187	Mechanical activated synthesis of alumina dispersed FeNiCoCrAlMn high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 692, 720-726	5-7 30
186	The Effects of Carbon Nanotubes on the Mechanical and Wear Properties of AZ31 Alloy. <i>Materials</i> , 2017 , 10,	3-5 34
185	Ceramic Materials in a Ti-Al-Co-Ta ₃ (PO ₄) ₂ -Ag-Mg System Obtained by MA SHS for the Deposition of Biomedical Coatings. <i>Metals</i> , 2017 , 7, 378	2-3 2
184	Co-deposited Ni-Cr-B Nanocomposite Coatings for Protection Against Corrosion-Erosion. 2017 ,	
183	BiCuSeO as state-of-the-art thermoelectric materials for energy conversion: from thin films to bulks. 2018 , 37, 259-273	22
182	Effect of sintering temperature on the structure of Li _{0.5} Bi _{0.5} TiO ₃ ceramics prepared by mechanical alloying. 2018 , 29, 8402-8409	
181	In situ synthesis of TiC nano-reinforcements in aluminum matrix composites during mechanical alloying. 2018 , 145, 57-61	36
180	The impact of the diamond reinforcing particle size on their interaction with the aluminum matrix of composites in the course of heating. <i>Surface and Interface Analysis</i> , 2018 , 50, 1106-1109	1-5 4

179	Strengthening of Al-FeAl composites by the generation of harmonic structures. 2018 , 8, 6484	10
178	Synthesis of Mo-doped TiO ₂ /reduced graphene oxide nanocomposite for photoelectrocatalytic applications. 2018 , 44, 13015-13023	31
177	Investigation of deep rolling effects on the fatigue life of Al ₃ SiC nanocomposite. 2018 , 5, 015052	4
176	Elaboration and electrochemical characterization of two hydrogen storage alloy types: LaNi ₃ - x Mn x Cr ₂ (x = 0, 0.1, and 0.3) and La ₂ Ni ₇ . 2018 , 24, 2017-2027	4
175	Study of W-Co ODS coating on stainless steels by mechanical alloying. 2018 , 350, 954-961	7
174	Pyrochlore structure and spectroscopic studies of titanate ceramics. A comparative investigation on SmDyTiO and YDyTiO solid solutions. 2018 , 198, 188-197	7
173	Synthesis and characterisation of nanostructured Al ₃ V and Al ₃ (Al ₃ V ₂ Al ₂ O ₃) composites by powder metallurgy. 2018 , 34, 179-190	9
172	Comparative investigation of antibacterial yet biocompatible Ag-doped multicomponent coatings obtained by pulsed electrospark deposition and its combination with ion implantation. 2018 , 44, 3765-3774	4
171	Interfacial structure in AZ91 alloy composites reinforced by graphene nanosheets. 2018 , 127, 177-186	94
170	Excellent corrosion resistance and hardness in Al alloys by extended solid solubility and nanocrystalline structure. 2018 , 6, 79-83	27
169	Optimized Parameters for Enhanced Properties in Al ₃ B ₄ C Composite. 2018 , 43, 4475-4485	11
168	Microstructure and mechanical properties of FeCoCrNiMn high-entropy alloy produced by mechanical alloying and vacuum hot pressing sintering. 2018 , 28, 1360-1367	27
167	Fabrication, microstructures and mechanical properties of ZrO ₂ dispersion-strengthened Q345 steel. 2018 , 28, 1132-1140	4
166	The application of DSC for the investigation of metal matrix composites with nanodiamond reinforcing particles. 2018 , 5, 27292-27300	2
165	Processing Techniques for ODS Stainless Steels. 2018 , 49, 3043-3055	5
164	Probing the optimal thermohydrogen processing conditions of titanium alloy shavings via chemisorption method. 2018 , 43, 20783-20794	6
163	Synthesis of Pure NiTiSn by Mechanical Alloying: An Investigation of the Optimal Experimental Conditions Supported by First Principles Calculations. <i>Metals</i> , 2018 , 8, 835	2.3 4
162	References. 2018 , 233-266	

161	Parametric Effects of Mechanical Alloying on Carbon Nanofiber Catalyst Production in the Ni-Cu System. <i>Metals</i> , 2018 , 8, 286	2.3	6
160	Additive Manufacturing of a 316L Steel Matrix Composite Reinforced with CeO ₂ Particles: Process Optimization by Adjusting the Laser Scanning Speed. 2018 , 6, 25		19
159	Synthesis of porous Ti ₅₀ B ₅₀ Ta alloy by powder metallurgy. 2018 , 142, 124-136		24
158	Phase Evolution and Mechanical Properties of AlCoCrFeNiSix High-Entropy Alloys Synthesized by Mechanical Alloying and Spark Plasma Sintering. 2018 , 27, 3304-3314		22
157	The effect of annealing on structure and hardness of (Fe-Cr)-50 at.% Al coatings synthesized by mechanical alloying. 2018 ,		2
156	MOF-Confined Sub-2 nm Atomically Ordered Intermetallic PdZn Nanoparticles as High-Performance Catalysts for Selective Hydrogenation of Acetylene. 2018 , 30, e1801878		77
155	A novel two-step mechanical milling approach and in-situ reactive synthesis to fabricate TiC/Graphene layer/Cu nanocomposites and investigation of their mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 734, 164-170	5.3	14
154	Effect of high energy ball milling on the properties of biodegradable nanostructured Fe-35 wt.%Mn alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 768, 166-175	5.7	13
153	Investigation on Microstructure, Mechanical Properties and Fracture Mechanism of Trimodal SiC Reinforced Al5083/Al2024 Aluminum Alloy Based Nanocomposites Fabricated by Mechanical Milling and Hot Extrusion Processes. 2018 , 71, 2325-2338		3
152	Tetragonality enhancement in BaTiO ₃ by mechanical activation of the starting BaCO ₃ and TiO ₂ powders: Characterization of the contribution of the mechanical activation and postmilling calcination phenomena. 2018 , 15, 1518-1531		13
151	Dielectric and ferroelectric properties of Pb(Fe _{1/2} Nb _{1/2})O ₃ modification on Pb(Zr _{0.52} Ti _{0.48})O ₃ ceramics. 2018 , 187, 89-99		1
150	Fabrication of promising material "titanium aluminide" methods and issues (a status report). 2018 , 5, 116504		4
149	Mechanical Alloying of Ti-Based Materials. 2018 , 770, 95-105		2
148	Micro structural characterization and analysis of ball milled silicon carbide. 2018 ,		2
147	Synthesis of LaB ₆ /Al ₂ O ₃ nanocomposite powders via ball milling-assisted annealing. 2018 , 53, 13538-13549		2
146	Multi-functional thin film coatings formed via nanogrinding. 2018 , 8, 1437-1444		2
145	Powder Forming. 2019 , 65-87		1
144	Structural and thermal properties of nanocrystalline Al _x (SiFeCoNi) _{100-x} medium entropy alloys. 2019 , 6, 106585		1

143	Microstructure transformation of Cr-Al-BN coating on low carbon steel prepared by ball milling method. 2019 , 478, 012004		1
142	Elemental effect on formation of solid solution phase in CoCrFeNiX and CoCuFeNiX (X = Ti, Zn, Si,Al) high entropy alloys. 2019 , 35, 1700-1707		5
141	Mechanochemical activation of natural clay minerals: an alternative to produce sustainable cementitious binders âreview. 2019 , 113, 449-462		17
140	Ultra fast metal-free reduction catalyst of partial oxidized violet phosphorus synthesized via controlled mechanical energy. 2019 , 6, 045039		3
139	Influence of mechanical activation of reactive mixtures on the microstructure and properties of SHS-ceramics MoSi ₂ -HfB ₂ -MoB. 2019 , 45, 20354-20361		11
138	A study on microstructural evolution and corrosion behavior of spark plasma sintered FeâCr alloy system. 2019 , 54, 14171-14188		2
137	Characterization of mechanically alloyed and pressureless sintered Al-7 wt% Si-2 wt% LaB ₆ -2 wt% (MoSi ₂ , WSi ₂) hybrid composites. <i>Advanced Powder Technology</i> , 2019 , 30, 2626-2635	4.6	4
136	A review of processing techniques for Fe-Ni soft magnetic materials. 2019 , 34, 1580-1604		8
135	Effect of Milling Time on Consolidation of Al5083 Nanocomposite by Equal Channel Angular Pressing. 2019 , 969, 662-668		
134	Synthesis of Al5083 Alloy by High Energy Ball Mill and Densification through Equal Channel Angular Pressing (ECAP). 2019 , 969, 68-72		
133	Recent advances on the thermal destabilization of Mg-based hydrogen storage materials.. 2018 , 9, 408-428		58
132	Topological self-template directed synthesis of multi-shelled intermetallic NiGa hollow microspheres for the selective hydrogenation of alkyne. 2019 , 10, 614-619		20
131	Phases, Microstructures and Mechanical Properties of CoCrNiCuZn High-Entropy Alloy Prepared by Mechanical Alloying and Spark Plasma Sintering. 2019 , 21,		7
130	Structural and thermal studies of SmNbO ₄ polymorphs produced by mechanical alloying. 2019 , 252, 313-316		3
129	Role of Lattice Disorder in Water-Mediated Dissociation of Pharmaceutical Cocrystal Systems. 2019 , 16, 3167-3177		16
128	Development of Fe-9Cr Alloy via High-Energy Ball Milling and Spark Plasma Sintering. 2019 , 71, 2846-2855		2
127	Mechanosynthesis and Reversible Hydrogen Storage of Mg ₂ Ni and Mg ₂ Cu Alloys. <i>Materials Transactions</i> , 2019 , 60, 441-449	1.3	5
126	Thermomechanical synthesis of hybrid in-situ Al-(Al ₃ Ti+Al ₂ O ₃) composites through nanoscale Al-Al ₂ TiO ₅ reactive system. <i>Journal of Alloys and Compounds</i> , 2019 , 789, 493-505	5.7	7

125	Effect of milling time and presence of Sn on the microstructure and porosity of sintered Ti-10Ta-8Mo and Ti-10Ta-8Mo-3Sn alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 232-247	5.7	10
124	Effect of Sintering Parameters on Mechanical Properties of 17-Cr Ferritic ODS Steel Through Taguchi Approach. <i>Journal of the Institution of Engineers (India): Series D</i> , 2019 , 100, 163-176	0.9	1
123	Ultrasound-Assisted Melt Extrusion of Polymer Nanocomposites. 2019 ,		4
122	Alloying behavior and thermal stability of mechanically alloyed nano AlCoCrFeNiTi high-entropy alloy. 2019 , 34, 787-795		23
121	Powder metallurgy of stainless steels and composites: a review of mechanical alloying and spark plasma sintering. 2019 , 102, 3271-3290		22
120	Effects of Mechanical Milling Time and Boron Carbide Reinforcement Content on Powder and Hot Extruded Al ₁₀ wt.%Cu ₁₀ B ₄ C Nanocomposites: Microstructural, Mechanical and Fracture Characterization. 2019 , 72, 701-718		4
119	Phase transformations and microstructural evolution of nanocrystalline Ti-18Zr-5Nb-3Sn-4Ta powders through mechanical alloying. 2020 , 36, 955-960		2
118	Enhanced photocatalytic performance of Cu ₂ O nano-photocatalyst powder modified by ball milling and ZnO. <i>Advanced Powder Technology</i> , 2020 , 31, 40-50	4.6	27
117	Aluminum Matrix Composites Reinforced with Graphene: A Review on Production, Microstructure, and Properties. 2020 , 45, 289-337		27
116	Review of perovskite-structure related cathode materials for solid oxide fuel cells. 2020 , 46, 5521-5535		64
115	Phase evolution and characterization of mechanically alloyed hexanary Al _{16.6} Mg _{16.6} Ni _{16.6} Cr _{16.6} Ti _{16.6} Mn _{16.6} high entropy alloy. 2020 , 75, 209-214		1
114	Modern nanostructured ferritic alloys: A compelling and viable choice for sodium fast reactor fuel cladding applications. 2020 , 529, 151928		13
113	Structural, tribological and antibacterial properties of (Ti) based ti-alloys for biomedical applications. 2020 , 9, 14061-14074		8
112	Synthesis, Characterization and Investigation of Hydrogen Evolution Activity of Ni-Mo/Al ₂ O ₃ Composite. 2020 , 5, 14282-14287		1
111	Microstructure and Properties of Mechanical Alloying Al-Zr Coating by High Current Pulsed Electron Beam Irradiation. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
110	Fe-Cu Metastable Alloy. 2020 , 786-786		
109	Preparation of fine-grained MoAlB with preferable mechanical properties and oxidation resistance. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020 , 93, 105345	4.1	7
108	Spark Plasma Sintering of Titanium Aluminides: A Progress Review on Processing, Structure-Property Relations, Alloy Development and Challenges. <i>Metals</i> , 2020 , 10, 1080	2.3	8

107	The Effect of Ti Addition on Microstructure and Magnetic Properties of Nanocrystalline FeAl40 Alloy Powders Prepared by Mechanical Alloying. 2020 , 59, 160-170		0
106	Crystal Structure and Colorimetric Behavior of Low Melting Point Ternary Alloy. 2020 , 1002, 12-20		
105	Exploring the Different Degrees of Magnetic Disorder in TbRCu Nanoparticle Alloys. <i>Nanomaterials</i> , 2020 , 10,	5-4	3
104	Role of Sn as a Process Control Agent on Mechanical Alloying Behavior of Nanocrystalline Titanium Based Powders. <i>Materials</i> , 2020 , 13,	3-5	4
103	Investigating the Size and Microstrain Influence in the Magnetic Order/Disorder State of GdCu Nanoparticles. <i>Nanomaterials</i> , 2020 , 10,	5-4	3
102	Influence of high-energy ball milling on the optical transmittance and some mechanical and tribological properties of a bone china. 2020 ,		0
101	Nanostructured high-entropy materials. 2020 , 35, 1051-1075		22
100	Electrochemical properties of the CaNi ₅ Mnx electrodes synthesized by mechanical alloying. 2020 , 44, 10112-10125		2
99	Phase Evolution and Thermal Stability of Mechanically Alloyed AlCrFeCoNiZn High-Entropy Alloy. 2020 , 73, 821-830		14
98	Microstructures and mechanical properties of FeCoCrNi-Mo High entropy alloys prepared by spark plasma sintering and vacuum hot-pressed sintering. 2020 , 24, 101009		10
97	Structural investigations of Y ₂ O ₃ dispersoids during mechanical milling and high-temperature annealing of Fe-15Y ₂ O ₃ -xTi (x = 0-15) model ODS alloys. <i>Advanced Powder Technology</i> , 2020 , 31, 1665-1673	4-6	5
96	Characterization of TiAl Intermetallic Synthesized by Mechanical Alloying Process. 2020 , 27, 2378		1
95	Mechanical alloying produces grain boundary segregation in FeMg powders. 2020 , 180, 57-61		14
94	Influence of Mechanical Alloying and Sintering Temperature on the Microstructure and Mechanical Properties of a Ti-22Al-25Nb Alloy. 2020 , 29, 1686-1695		5
93	Nanostructured AlNiCoFeCrTi high-entropy coating performed by cold spray. 2020 , 10, 4879-4890		10
92	Influence of alloying elements, in-situ dispersoids and fabrication on microstructure and properties of W-(Ta,V,Ti) ODS alloys. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 154952	5-7	3
91	Hydrogen activation on aluminium-doped magnesium hydride surface for methanation of carbon dioxide. 2020 , 515, 146038		6
90	Microstructural and mechanical properties of AlCoCrCuFeNiSix (x = 0 and 0.9) high entropy alloys. 2021 , 184, 109943		4

89	Electrochemical Studies on the Ca-Based Hydrogen Storage Alloy for Different Milling Times. 2021 , 27, 1005-1024	5
88	Formation of Fe-19 wt%Cr-9 wt%Ni Nanocrystalline Alloy with Excellent Corrosion Resistance: Phase Transition and Microstructure. 2021 , 34, 825-833	
87	The photocatalytic antibacterial behavior of Cu-doped nanocrystalline hematite prepared by mechanical alloying. 2021 , 11, 817-832	5
86	Synthesis of thermoelectric materials. 2021 , 73-103	1
85	Investigation and Experimental Study on Microstructure and Characterization of Silicon Carbide Synthesized by High Energy Ball Milling. 2021 , 913-922	
84	Role of Mixing and Milling in Mechanochemical Synthesis (Review). 2021 , 66, 433-453	15
83	Pan-Milling: Instituting an All-Solid-State Technique for Mechanical Metastable Oxides as High-Performance Lithium-Ion Battery Anodes. 2021 , 11, 2100310	6
82	The Effect of Milling Time and Speed on Solid Solubility, Grain Size, and Hardness of Al-V Alloys. 2021 , 30, 3144-3158	5
81	Mechanical alloying and characterization of chlorine doped hydroxyapatite nanopowders. 2021 , 127, 1	
80	Comparative study on carbon nanotube and graphene reinforced Cu matrix nanocomposites for thermal management applications. 2021 , 113, 108273	3
79	Microstructure Evolution of Surface Gradient Nanocrystalline by Shot Peening of TA17 Titanium Alloy. 2021 , 52, 1790-1798	2
78	Effect of grain size refinement on microstructure and mechanical properties of AZ31 magnesium alloy. <i>Journal of Physics: Conference Series</i> , 2021 , 1865, 032064	0.3
77	Effect of Copper Addition on the AlCoCrFeNi High Entropy Alloys Properties via the Electroless Plating and Powder Metallurgy Technique. 2021 , 11, 540	9
76	Tribochemistry, Mechanical Alloying, Mechanochemistry: What is in a Name?. 2021 , 9, 685789	26
75	Microstructural Evolution and Mechanical Properties of Nano-Yttria Dispersed 316 L Austenitic Stainless Steel by Mechanical Alloying and Sintering. 2021 , 74, 2093-2104	2
74	Shear-induced chemical segregation in a Fe-based bulk metallic glass at room temperature. 2021 , 11, 13650	2
73	Improved Mechanochemical Fabrication of Copper(II) Oxide Nanoparticles with Low E-Factor. Efficient Catalytic Activity for Nitroarene Reduction in Aqueous Medium. 2021 , 9, 9661-9670	2
72	Fabrication of the Zirconium Diboride-Reinforced Composites by a Combination of Planetary Ball Milling, Turbula Mixing and Spark Plasma Sintering. <i>Materials</i> , 2021 , 14,	3.5 2

71	Formation and characterization of an Al-rich metastable phase in the Al-B phase diagram. 2021 , 54, 1121-1126		
70	Nano-CaCO ₃ for Repair of Historic Joint Mortar. 1		1
69	Study of NiFeCoCr medium entropy alloy as a binder phase on W-Mo heavy tungsten alloy by secondary ball milling. 2021 , 138, 107320		2
68	Structural and electrical studies of excessively Sm ₂ O ₃ substituted soft PZT nanoceramics. 2021 , 47, 31294-31301		1
67	The effect of ball to powder ratio on the processing of a novel Mo-Cu-Al ₂ O ₃ composite. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 101, 105657	4.1	1
66	Characterization of nanostructured magnetic alloy based on Ni-Co-Mn produced by mechanical synthesis. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 541, 168514	2.8	3
65	Thermodynamic analysis of the extension of solid solubility in copper-lead immiscible system prepared by mechanical alloying. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2021 , 52, 43-50	0.9	
64	Friction Stir Welding of Oxide Dispersion Strengthened Alloy MA956. 33-40		9
63	Processing and Bioactivity Evaluation of Ultrafine-Grained Titanium. <i>Ceramic Transactions</i> , 125-136	0.1	1
62	Alloying behaviour, thermal stability and phase evolution in quinary AlCoCrFeNi high entropy alloy. <i>Advanced Powder Technology</i> , 2018 , 29, 2221-2230	4.6	74
61	Physical and mechanical properties and structure of copper-based composite materials for diamond tools binder. <i>Journal of Physics: Conference Series</i> , 2020 , 1431, 012054	0.3	1
60	TalaMagnezyum Atıdan Hidrojen Gazıetimi ve Hız Profillerinin İncelenmesi. <i>Journal of Polytechnic</i> ,	0	1
59	Effect of Different Milling Media for Surface Coating on the Copper Powder Using Two Kinds of Ball Mills with Discrete Element Method Simulation. <i>Coatings</i> , 2020 , 10, 898	2.9	3
58	Mechanical Alloying: A Novel Technique to Synthesize Advanced Materials. <i>Research</i> , 2019 , 2019, 42198128	1.28	72
57	Thermoelectric Properties of Mg _{3-x} Zn _x Sb ₂ Fabricated by Mechanical Alloying. <i>Korean Journal of Materials Research</i> , 2013 , 23, 98-103	0.2	2
56	Tailoring a Refractory High Entropy Alloy by Powder Metallurgy Process Optimization. <i>Materials</i> , 2021 , 14,	3.5	2
55	Structural evolution of ball-milled permalloy. 2006 , 1091-1096		
54	Synthesis of thermoelectric Mg ₃ Sb ₂ by melting and mechanical alloying. <i>Journal of the Korean Crystal Growth and Crystal Technology</i> , 2012 , 22, 207-212		2

53	A Comparative Performance of Oleic Acid and MWNT-Coated SmCo ₅ /Fe Nanocomposites Processed by Magnetic Field-Assisted Milling. <i>Springer Proceedings in Physics</i> , 2013 , 387-397	0.2	
52	Fabrication of Mg ₃ Sb ₂ and Mg ₃ Bi ₂ Compounds and their composites by mechanical alloying. <i>Journal of the Korean Crystal Growth and Crystal Technology</i> , 2013 , 23, 189-194		1
51	Preparation of Magnesium-zinc Alloy by Mechanical Alloying. <i>Manufacturing Technology</i> , 2014 , 14, 304-309		2
50	Fe-based Soft Magnetic Materials for Electronic Devices. <i>Acta Mechanica Slovaca</i> , 2016 , 20, 58-61	0.1	
49	Characteristics Analysis of Ni-Cr Metal Powder Produced by Mechanical Alloying Method. <i>Korean Journal of Dental Materials</i> , 2016 , 43, 323-329	0.3	
48	Nanocrystalline PNS-PZT-Based Energy Harvester for Strategic Applications. 2019 , 1-39		
47	Nanokristal Co ₇₀ Si ₁₅ B ₁₅ Toz Alařınların Yapıřal, Termal ve Manyetik Ėzelliklerinin İncelenmesi. <i>Journal of Natural and Applied Sciences</i> , 83-89	0	0
46	Synthesis of 30 vol%TiB ₂ Containing Fe ₃ Ti Matrix Composites with High Thermal Conductivity and Hardness. <i>Materials Transactions</i> , 2019 , 60, 2516-2524	1.3	1
45	Anlıse comparativa da sntese de hidroxiapatita via estado sldo. <i>Revista Materia</i> , 2020 , 25,	0.8	
44	MECHANOCHEMICAL SYNTHESIS OF METAL-BASED ALLOYS OF THE IRON TRIAD. 2020 ,		
43	Synthesis, thermodynamic analysis and magnetic study of novel ball- milled Co ₅₀ Fe ₂₅ Ta ₅ Si ₅ C ₁₅ glassy powders with high thermal stability. <i>Journal of Alloys and Compounds</i> , 2021 , 894, 162509	5.7	0
42	Combination of enhanced strength and sufficient tensile ductility in a sintered ultrafine-grained CoFeMnNi medium-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 831, 142175	5.3	0
41	Experimental investigation and fuzzy logic approach for evaluation of magnesium recovery in the reparation of Al-Mg alloys using modified stir casting method. <i>Materiaux Et Techniques</i> , 2020 , 108, 405	0.6	
40	Nanocrystalline PNS-PZT-Based Energy Harvester for Strategic Applications. 2020 , 35-73		
39	Introduction. 2020 , 1-12		
38	Severe Plastic Deformation. 2020 , 69-87		
37	Understanding of Processing, Microstructure and Property Correlations During Different Sintering Treatments of TRIP-Matrix-Composites. <i>Springer Series in Materials Science</i> , 2020 , 167-196	0.9	0
36	Peculiarities of fullerenes and carbon onions application for reinforcing the aluminum matrix in the metal matrix composites. <i>Surface and Interface Analysis</i> , 2020 , 52, 127-131	1.5	1

35	Synthesis of nano Y2O3, TiO2, ZrO2 dispersed W-Ni-Nb-Mo alloys by mechanical alloying. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 103, 105753	4.1	1
34	Excellent thermal stability and mechanical properties of bulk nanostructured FeCoNiCu high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 835, 142670	5.3	2
33	Development of ODS tungsten heavy alloys reinforced with Co9Al8W superalloy binder by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2022 , 903, 163762	5.7	0
32	High-pressure studies of a biphasic NiTiSn/Ni2TiSn Heusler alloy by in situ X-ray diffraction and first principle calculations.. <i>Journal of Alloys and Compounds</i> , 2022 , 905, 164149	5.7	1
31	Use of Taguchi method for high energy ball milling of CaCO3. 2022 , 17,		1
30	Mechanical Characterization by Multiscale Indentation of Particle Reinforced Nickel-Alumina Metal Matrix Nanocomposites Obtained by High-Kinetic Processing of Ball Milling and Spark Plasma Sintering. <i>SSRN Electronic Journal</i> ,	1	
29	Effect of Milling Parameters on Mechanical Properties and In Vitro Biocompatibility of Mg-Zn-Co Ternary Alloy. <i>Metals</i> , 2022 , 12, 529	2.3	0
28	A Review on Doped/Composite Bismuth Chalcogenide Compounds for Thermoelectric Device Applications: Various Synthesis Techniques and Challenges. <i>Journal of Electronic Materials</i> , 2022 , 51, 2014-2042	1.9	0
27	Properties of Fe-Si Alloy Anode for Lithium-Ion Battery Synthesized Using Mechanical Milling.. <i>Materials</i> , 2022 , 15,	3.5	1
26	Mekanik Alaħlama Yħitemi Ē Demir Ve Bakħħ Alaħlanmas-. <i>Journal of Polytechnic</i> ,	0	
25	Insight into Structural Changes and Electrochemical Properties of Spark Plasma Sintered Nanostructured Ferritic and Austenitic Stainless Steels.. <i>Nanomaterials</i> , 2022 , 12,	5.4	
24	Synthesis of FeAl Intermetallic by Mechanical Alloying Process. <i>Journal of the Institution of Engineers (India): Series D</i> ,	0.9	
23	Influence of Homogenizing Methodology on Mechanical and Tribological Performance of Powder Metallurgy Processed Titanium Composites Reinforced by Graphene Nanoplatelets.. <i>Molecules</i> , 2022 , 27,	4.8	0
22	Mechanochemical synthesis investigations on the ternary and quaternary B2O3/TiO2/Mg/C systems. <i>Solid State Sciences</i> , 2022 , 128, 106897	3.4	0
21	Microstructure, Hardness and Thermal Properties of Al4.5Cu/TiO2 Composites Produced by Mechanical Alloying. <i>Journal of Polytechnic</i> ,	0	
20	Tetrahedrite Thermoelectrics: From Fundamental Science to Facile Synthesis. 2,		1
19	Synthesis and structural characterization of nanocrystalline silicon by high energy mechanical milling using Al2O3 media. <i>Advanced Powder Technology</i> , 2022 , 33, 103639	4.6	0
18	Energy-Saving Pathways for Thermoelectric Nanomaterial Synthesis: Hydrothermal/Solvothermal, Microwave-Assisted, Solution-Based, and Powder Processing. <i>Advanced Science</i> , 2106052	13.6	10

17	Advanced Zinc-Magnesium Alloys Prepared by Mechanical Alloying and Spark Plasma Sintering. 2022 , 15, 5272	0
16	Effect of Y ₂ O ₃ and TiO ₂ addition of dispersed powder on phase evolution and microstructural analysis of (Al, Cu) ₃ Ti intermetallic synthesised via mechanical alloying and powder metallurgy route. 1-16	0
15	Mechanical characterization by multiscale indentation of particle reinforced Nickel-Alumina metal matrix nanocomposites obtained by high-kinetic processing of ball milling and spark plasma sintering. 2022 , 927, 166880	0
14	Microstructure and Magnetic Properties of Nanocrystalline Fe ₆₀ -Co ₂₅ Ni ₁₅ Si _x Alloy Elaborated by High-Energy Mechanical Milling. 2022 , 15, 6483	0
13	Amalgamation of nano hydroxyapatite bioceramics for electrical and optical studies. 2022 ,	0
12	Role of Cu-Containing MEA Binder and Sintering Temperatures on Synthesis and Characteristics of Tungsten-Based Alloys.	0
11	Powder Metallurgical Processing of CrMnFeCoMo High Entropy Alloy: Phase evolution, Microstructure, Thermal Stability and Mechanical Properties. 2022 , 168002	1
10	Spiers Memorial Lecture: Mechanochemistry, tribochemistry, mechanical alloying –retrospect, achievements and challenges.	0
9	Critical conditions of forced ignition in Ni-Al, Ti-Al powder systems under solid-phase synthesis. 2023 , 248, 112575	0
8	Influence of pulsed Nd:YAG laser welding power on the microstructures and nano creep behaviour of Ti ₅ Al _{2.5} Sn beads. 146442072211381	0
7	Ultrafine-Grained Zn-Mg-Br Alloy Synthesized by Mechanical Alloying and Spark Plasma Sintering. 2022 , 15, 8379	0
6	Recent Advances in Conduction Mechanisms, Synthesis Methods, and Improvement Strategies for Li _{1+x} Al _x Ti ₂ (PO ₄) ₃ Solid Electrolyte for All-Solid-State Lithium Batteries. 2203440	0
5	Analyzing the Phase Evolution, Microstructure and Wear Response of Spark Plasma Sintered Al _{0.5} CoCrFeNi ₂ High Entropy Superalloy. 2201523	0
4	Synthesis of Magnesium-Based Alloys by Mechanical Alloying for Implant Applications. 2023 , 13, 260	1
3	Synthesis of Fe-15Cr-2 W oxide dispersion strengthened (ODS) steel powders by mechanical alloying. 2023 , 118554	0
2	Synthesis and characterization of 9Cr ODS F/M steel with optimized Y ₂ O ₃ and Ti content and its comparison with P91 steel. 2023 , 118564	0
1	Synthesis method of thermoelectrics. 2023 , 283-303	0