

# Mechanically alloyed nanocomposites

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Recrystallisation-accompanied phase separation in Ag <sup>0</sup> /Fe and Ag <sup>0</sup> /Ni nanocomposites: a route to structure tailoring of nanoporous silver. RSC Advances, 2013, 3, 12655.	1.7	16
2	Mechanochemical synthesis of nanocrystalline metal powders. , 2013, , 42-68.		20
3	Friction stir welding of a P/M Al <sup>0</sup> /Al <sub>2</sub> O <sub>3</sub> nanocomposite: Microstructure and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 585, 222-232.	2.6	85
4	Effect of powder milling on mechanical properties of hot-pressed and hot-rolled Cu <sup>0</sup> /Cr <sup>0</sup> /Nb alloy. Journal of Alloys and Compounds, 2013, 580, 427-434.	2.8	20
5	Synthesis of Mg <sup>0</sup> /Al <sub>2</sub> O <sub>3</sub> nanocomposites by mechanical alloying. Journal of Alloys and Compounds, 2013, 563, 165-170.	2.8	37
6	Processing of CNTs Reinforced Al-Based Nanocomposites Using Different Consolidation Techniques. Journal of Nanomaterials, 2013, 2013, 1-10.	1.5	21
7	Synthesis of Al <sub>2</sub> O <sub>3</sub> -TiB <sub>2</sub> Composite Powder by Planetary Milling from Al-TiO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -Ni Mixture. Applied Mechanics and Materials, 0, 401-403, 734-737.	0.2	3
8	Activation of Copper and Alumina Powders in Ball Mill. Advanced Materials Research, 2013, 872, 137-141.	0.3	12
9	Effect of SiC Nanoparticles Content and Milling Time on the Characteristics of Al/SiC Nanocomposite Powders Produced via Mechanical Milling. Advanced Materials Research, 2013, 829, 505-509.	0.3	6
10	Grain size softening effect in Al <sub>62.5</sub> Cu <sub>25</sub> Fe <sub>12.5</sub> nanoquasicrystals. Applied Physics Letters, 2013, 103, 201914.	1.5	12
11	Characterization of Nanoreinforcement Dispersion in Inorganic Nanocomposites: A Review. Materials, 2014, 7, 4148-4181.	1.3	33
12	Matrix Structure Evolution and Nanoreinforcement Distribution in Mechanically Milled and Spark Plasma Sintered Al-SiC Nanocomposites. Materials, 2014, 7, 6748-6767.	1.3	27
13	Use of Mechanical Alloying for Production of Aluminium Matrix Composites with Non-Agglomerated Nanodiamond Reinforcing Particles. Acta Physica Polonica A, 2014, 126, 1008-1011.	0.2	3
14	"Mechanical Alloying-Compaction-Electroplating" as Technological Scheme for the Development of Nanocomposite Coatings. Acta Physica Polonica A, 2014, 126, 1005-1007.	0.2	0
15	Identification of non <sup>0</sup> -agglomerated nanodiamonds inside metal matrix composites by synchrotron radiation. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2353-2358.	0.8	12
16	Effect of microwave sintering over vacuum and conventional sintering of Cu based nanocomposites. Journal of Alloys and Compounds, 2014, 588, 710-715.	2.8	26
17	The effect of Mg add on morphology and mechanical properties of Al <sup>0</sup> /xMg/10Al <sub>2</sub> O <sub>3</sub> nanocomposite produced by mechanical alloying. Advanced Powder Technology, 2014, 25, 1345-1350.	2.0	50
18	Phase Selection in a Laser Surface Melted Zr-Cu-Ni-Al-Nb Alloy. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 547-554.	1.0	8

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21	Effect of processing parameters on the formation of TiB <sub>2</sub> nanopowder by mechanically induced self-sustaining reaction. <i>Ceramics International</i> , 2014, 40, 7345-7354.	2.3	23
22	Effects of atmosphere and milling time on the coarsening of copper powders during mechanical milling. <i>Powder Technology</i> , 2014, 256, 251-256.	2.1	44
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25	Strain Rate Sensitivity, Work Hardening, and Fracture Behavior of an Al-Mg TiO <sub>2</sub> Nanocomposite Prepared by Friction Stir Processing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 4073-4088.	1.1	45
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30	Mechanical synthesis of high purity Cu-In-Se alloy nanopowder as precursor for printed CISE thin film solar cells. <i>Advanced Powder Technology</i> , 2014, 25, 1254-1261.	2.0	10
31	Effect of Dispersoid Size and Volume Fraction on Aging Behavior and Mechanical Properties of TiO <sub>2</sub> -Dispersed AA7075 Alloy Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 4062-4072.	1.1	13
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36	Fabrication and consolidation behavior of Al 6061 nanocomposite powders reinforced by multi-walled carbon nanotubes. <i>Powder Technology</i> , 2014, 258, 189-197.	2.1	34

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59	Effect of Processing on Mechanically Alloyed and Spark Plasma Sintered Al <sub>2</sub> O <sub>3</sub> Nanocomposites. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-13.	1.5	19
61	Role of hybrid reinforcement on microstructural observation, characterization and consolidation behavior of AA 6061 nanocomposite. <i>Advanced Powder Technology</i> , 2015, 26, 1171-1182.	2.0	8
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71	Hot deformation behavior of an aluminum-matrix hybrid nanocomposite fabricated by friction stir processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 626, 458-466.	2.6	48
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78	Thermodynamic Characteristic and Phase Evolution in Immiscible Cr-Mo Binary Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 1074-1081.	1.5	6
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