

# Fathallah Karimzadeh

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

272  
papers

5,567  
citations

40  
h-index

55  
g-index

275  
ext. papers

6,478  
ext. citations

4.1  
avg, IF

6.31  
L-index

#	Paper	IF	Citations
272	Decrypting the photocatalytic bacterial inactivation of hierarchical flower-like Bi <sub>2</sub> WO <sub>6</sub> microspheres induced by surface properties: Experimental studies and ab initio calculations. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 131768	14.7	1
271	Fabrication of Fe <sub>3</sub> O <sub>4</sub> /Ag-TiO <sub>2</sub> magnetic nanocomposite for antibacterial applications. <i>Micro and Nano Letters</i> , <b>2022</b> , 17, 9-15	0.9	0
270	Evaluation of Thermal and Mechanical Behavior of CuNiCoZnAl High-Entropy Alloy Fabricated Using Mechanical Alloying and Spark Plasma Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2021</b> , 52, 1947-1962	2.3	0
269	Mechanical and biological performance of rainbow trout collagen-boron nitride nanocomposite scaffolds for soft tissue engineering. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50664	2.9	0
268	A novel approach toward attachment of graphene oxide on copper using electrochemical grafting of an organic interlayer with enhanced corrosion performance. <i>Progress in Organic Coatings</i> , <b>2021</b> , 154, 106185	4.8	2
267	Gold Nano/Micro-Islands Overcome the Molecularly Imprinted Polymer Limitations to Achieve Ultrasensitive Protein Detection. <i>ACS Sensors</i> , <b>2021</b> , 6, 797-807	9.2	15
266	Effects of Surface Morphology on Erosion-Corrosion and Corrosion Resistance of Highly Hydrophobic Nickel-Tungsten Electrodeposited Film. <i>Coatings</i> , <b>2021</b> , 11, 1084	2.9	1
265	Structural and Electrical Investigation of Cobalt-Doped NiO/Perovskite Interface for Efficient Inverted Solar Cells. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
264	Electroconductive Graphene-Containing Polymeric Patch: A Promising Platform for Future Cardiac Repair. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 4214-4224	5.5	17
263	Triboelectric nanogenerators based on graphene oxide coated nanocomposite fibers for biomedical applications. <i>Nanotechnology</i> , <b>2020</b> , 31, 385402	3.4	16
262	Improving visible light photocatalytic inactivation of E. coli by inducing highly efficient radical pathways through peroxymonosulfate activation using 3-D, surface-enhanced, reduced graphene oxide (rGO) aerogels. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125189	14.7	17
261	Insights into the Photocatalytic Bacterial Inactivation by Flower-Like Bi <sub>2</sub> WO <sub>6</sub> under Solar or Visible Light, Through in Situ Monitoring and Determination of Reactive Oxygen Species (ROS). <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1099	3	16
260	A non-enzymatic sensor based on three-dimensional graphene foam decorated with Cu-xCuO nanoparticles for electrochemical detection of glucose and its application in human serum. <i>Materials Science and Engineering C</i> , <b>2020</b> , 108, 110216	8.3	40
259	Evaluation of microstructure and mechanical properties of transient liquid phase bonding of Inconel 718 and nano/ultrafine-grained 304L stainless steel. <i>Journal of Manufacturing Processes</i> , <b>2020</b> , 49, 162-174	5	14
258	The role of graphene oxide interlayer on corrosion barrier and bioactive properties of electrophoretically deposited ZrO <sub>2</sub> -10wt. % SiO <sub>2</sub> composite coating on 316L stainless steel. <i>Materials Science and Engineering C</i> , <b>2020</b> , 117, 111342	8.3	7
257	Microstructure and Corrosion Characterization of a MgO/Hydroxyapatite Bilayer Coating by Plasma Electrolytic Oxidation Coupled with Flame Spraying on a Mg Alloy. <i>ACS Omega</i> , <b>2020</b> , 5, 24186-24194	3.9	3
256	FeO/Bioactive glass nanostructure: A promising therapeutic platform for osteosarcoma treatment. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> ,	3.5	3

255	TiO nanotubes/reduced GO nanoparticles for sensitive detection of breast cancer cells and photothermal performance. <i>Talanta</i> , <b>2020</b> , 208, 120369	6.2	20
254	Polycaprolactone-chitosan-polypyrrole conductive biocomposite nanofibrous scaffold for biomedical applications. <i>Polymer Composites</i> , <b>2020</b> , 41, 645-652	3	8
253	The Effect of Reduction Process Parameters on Magnetic and Structural Properties of SmCo/Co Nanocomposites. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2020</b> , 33, 783-793	1.5	1
252	Highly hydrophobic nickel and nickel-tungsten coatings: Microstructural and surface properties. <i>Applied Surface Science</i> , <b>2020</b> , 520, 146319	6.7	6
251	The synthesis of SmCo/Co nanoplates: reductant effect in the synthesis process. <i>Journal of Sol-Gel Science and Technology</i> , <b>2019</b> , 92, 706-714	2.3	
250	Effects of Nanoparticles on Activity of Lignan Biosynthesis Enzymes in Cell Suspension Culture of <i>Linum usitatissimum</i> L.. <i>Russian Journal of Plant Physiology</i> , <b>2019</b> , 66, 756-762	1.6	16
249	Electrochemical molecularly bioimprinted siloxane biosensor on the basis of core/shell silver nanoparticles/EGFR exon 21 L858R point mutant gene/siloxane film for ultra-sensing of Gemcitabine as a lung cancer chemotherapy medication. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 145, 111611	11.8	12
248	Microstructure and mechanical properties of transient liquid phase (TLP)-bonded Ni3Al intermetallic compounds. <i>Materials Today Communications</i> , <b>2019</b> , 21, 100619	2.5	2
247	Discrepancies of Notch 1 receptor during development of chronic seizures. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 13773-13780	7	4
246	A study on corrosion behavior of graphene oxide coating produced on stainless steel by electrophoretic deposition. <i>Surface and Coatings Technology</i> , <b>2019</b> , 372, 327-342	4.4	11
245	Flower-like magnetized photocatalysts accelerating an emerging pollutant removal under indoor visible light and related phenomena. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 378, 105-113	4.7	20
244	An injectable mechanically robust hydrogel of Kappa-carrageenan-dopamine functionalized graphene oxide for promoting cell growth. <i>Carbohydrate Polymers</i> , <b>2019</b> , 214, 234-249	10.3	42
243	An eco-friendly triboelectric hybrid nanogenerators based on graphene oxide incorporated polycaprolactone fibers and cellulose paper. <i>Nano Energy</i> , <b>2019</b> , 59, 412-421	17.1	69
242	EFFECT OF FRICTION STIR PROCESSING ON CORROSION BEHAVIOR OF CAST AZ91C MAGNESIUM ALLOY. <i>Surface Review and Letters</i> , <b>2019</b> , 26, 1850213	1.1	7
241	Effect of graphene oxide and friction stir processing on microstructure and mechanical properties of Al5083 matrix composite. <i>Materials Research Express</i> , <b>2019</b> , 6, 106566	1.7	10
240	Synthesis and characterization of magnetite/Alyssum homolocarpum seed gum/Ag nanocomposite and determination of its antibacterial activity. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 139, 1263-1271	7.9	7
239	The effect of exercise on GABA signaling pathway in the model of chemically induced seizures. <i>Life Sciences</i> , <b>2019</b> , 232, 116667	6.8	12
238	Microstructure Evolution of Ultra-Fine-Grained AZ31 B Magnesium Alloy Produced by Submerged Friction Stir Processing. <i>Journal of Materials Engineering and Performance</i> , <b>2019</b> , 28, 4593-4601	1.6	8

237	Mesoporous bioactive glasses for the combined application of osteosarcoma treatment and bone regeneration. <i>Materials Science and Engineering C</i> , <b>2019</b> , 104, 109994	8.3	18
236	The effect of an MgO intermediate layer on a nanostructured HA coating fabricated by HVOF on an Mg alloy. <i>Surface and Coatings Technology</i> , <b>2019</b> , 374, 1071-1077	4.4	4
235	Investigation of structural and optical properties of ZnO:Cu co-sputtered thin films. <i>Materials Research Express</i> , <b>2019</b> , 6, 116420	1.7	1
234	The effects of shape-setting on transformation temperatures of pseudoelastic shape memory alloy springs. <i>Journal of Science: Advanced Materials and Devices</i> , <b>2019</b> , 4, 568-576	4.2	0
233	A review on recent advancements in electrochemical biosensing using carbonaceous nanomaterials. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 773	5.8	65
232	A conductive film of chitosan-polycaprolactone-polypyrrole with potential in heart patch application. <i>Polymer Testing</i> , <b>2019</b> , 75, 254-261	4.5	20
231	Microstructure and Mechanical Properties of Nanostructured CoCrFeMoTi High-Entropy Alloy Fabricated by Mechanical Alloying and Spark Plasma Sintering. <i>Journal of Materials Engineering and Performance</i> , <b>2019</b> , 28, 7710-7725	1.6	0
230	Comparative study on microstructure and corrosion behavior of nanostructured hydroxyapatite coatings deposited by high velocity oxygen fuel and flame spraying on AZ61 magnesium based substrates. <i>Applied Surface Science</i> , <b>2019</b> , 465, 614-624	6.7	25
229	Preparation of amino silane magnetic nanocomposite by the sol-gel process and investigation of its antibacterial activity. <i>Micro and Nano Letters</i> , <b>2019</b> , 14, 196-201	0.9	1
228	Copper nanoparticles supported on charcoal mediated one-pot three-component synthesis of N-substituted-2H-indazoles via consecutive condensation C-N and N-N bond formation. <i>Canadian Journal of Chemistry</i> , <b>2019</b> , 97, 303-309	0.9	14
227	Structural, optical and electrical properties of co-sputtered p-type ZnO:Cu thin-films. <i>Ceramics International</i> , <b>2019</b> , 45, 7472-7479	5.1	8
226	A Distributed Classification Procedure for Automatic Sleep Stage Scoring Based on Instantaneous Electroencephalogram Phase and Envelope Features. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2018</b> , 26, 362-370	4.8	18
225	Diagnosis of EGFR exon21 L858R point mutation as lung cancer biomarker by electrochemical DNA biosensor based on reduced graphene oxide /functionalized ordered mesoporous carbon/Ni-oxytetracycline metallopolymer nanoparticles modified pencil graphite electrode. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 113, 108-115	11.8	41
224	Development of an electrochemical biosensor for vitamin B12 using D-phenylalanine nanotubes <b>2018</b> ,		2
223	Chitosan-58S bioactive glass nanocomposite coatings on TiO <sub>2</sub> nanotube: Structural and biological properties. <i>Applied Surface Science</i> , <b>2018</b> , 441, 138-149	6.7	47
222	Green reduction of graphene oxide by ascorbic acid <b>2018</b> ,		18
221	A review on discoloration and high accelerated testing of optical materials in LED based-products. <i>Microelectronics Reliability</i> , <b>2018</b> , 81, 136-142	1.2	8
220	Gelatin methacryloyl hydrogel for glucose biosensing using Ni nanoparticles-reduced graphene oxide: An experimental and modeling study. <i>Electrochimica Acta</i> , <b>2018</b> , 261, 275-283	6.7	28

219	Highly hydrophobic Ni-W electrodeposited film with hierarchical structure. <i>Surface and Coatings Technology</i> , <b>2018</b> , 344, 626-635	4.4	20
218	Synthesis and characterisation of nanostructured Al <sub>3</sub> V and Al <sub>3</sub> VAl <sub>2</sub> O <sub>3</sub> composites by powder metallurgy. <i>Materials Science and Technology</i> , <b>2018</b> , 34, 179-190	1.5	9
217	Mesoporous and hollow hydroxyapatite nanostructured particles as a drug delivery vehicle for the local release of ibuprofen. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 712-719	8.3	24
216	Peptide modified paper based impedimetric immunoassay with nanocomposite electrodes as a point-of-care testing of Alpha-fetoprotein in human serum. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 748-757	11.8	24
215	The effects of friction stir processing on the wear behavior of cast AZ91C magnesium alloy. <i>International Journal of Materials Research</i> , <b>2018</b> , 109, 241-249	0.5	
214	Fabrication and characterization of nanostructured hydroxyapatite coating on Mg-based alloy by high-velocity oxygen fuel spraying. <i>Ceramics International</i> , <b>2018</b> , 44, 14667-14676	5.1	12
213	Stable Knockdown of Adenosine Kinase by Lentiviral Anti-ADK miR-shRNAs in Wharton's Jelly Stem Cells. <i>Cell Journal</i> , <b>2018</b> , 20, 1-9	2.4	1
212	The Effects of Exercise Training Intensity on the Expression of C/EBP $\beta$ and CITED4 in Rats with Myocardial Infarction. <i>Asian Journal of Sports Medicine</i> , <b>2018</b> , 9,	1.4	1
211	Influence of zirconium addition on the microstructure, thermodynamic stability, thermal stability and mechanical properties of mechanical alloyed spark plasma sintered (MA-SPS) FeCoCrNi high entropy alloy. <i>Powder Metallurgy</i> , <b>2018</b> , 61, 405-416	1.9	9
210	Erosion-corrosion behavior of highly hydrophobic hierarchical nickel coatings. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 558, 446-454	5.1	28
209	Investigation and regulation of self-assembled well-ordered nano/microstructures via an aromatic amino acid. <i>Soft Matter</i> , <b>2018</b> , 14, 4996-5007	3.6	4
208	The Modulatory Effect of Metabotropic Glutamate Receptor Type-1 on Spike-Wave Discharges in WAG/Rij Rats. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 846-854	6.2	12
207	Effects of garlic extract on spreading depression: In vitro and in vivo investigations. <i>Nutritional Neuroscience</i> , <b>2017</b> , 20, 127-134	3.6	12
206	Resistance spot welding of ultrafine grained/nanostructured Al 6061 alloy produced by cryorolling process and evaluation of weldment properties. <i>Journal of Manufacturing Processes</i> , <b>2017</b> , 26, 84-93	5	20
205	Developmental changes in Notch1 and NLE1 expression in a genetic model of absence epilepsy. <i>Brain Structure and Function</i> , <b>2017</b> , 222, 2773-2785	4	11
204	Ni nanoparticle-decorated reduced graphene oxide for non-enzymatic glucose sensing: An experimental and modeling study. <i>Electrochimica Acta</i> , <b>2017</b> , 240, 388-398	6.7	39
203	Microstructure and Mechanical Properties of Dissimilar Friction Stir Spot Welding Between St37 Steel and 304 Stainless Steel. <i>Journal of Materials Engineering and Performance</i> , <b>2017</b> , 26, 2847-2858	1.6	5
202	Thermal stability evaluation of nanostructured Al6061 alloy produced by cryorolling. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2017</b> , 27, 754-762	3.3	12

201	Physical, mechanical and dry sliding wear properties of hybrid and non-hybrid Al <sub>3</sub> N nanocomposites produced by powder metallurgy. <i>Powder Metallurgy</i> , <b>2017</b> , 60, 309-320	1.9	1
200	Calreticulin Is Required for TGF- $\beta$ -Induced Epithelial-to-Mesenchymal Transition during Cardiogenesis in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , <b>2017</b> , 8, 1299-1311	8	15
199	Mechanical and tribological behavior of severely plastic deformed Al6061 at cryogenic temperatures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 683, 56-63	5.3	13
198	Development of super-hydrophobic surface on Al 6061 by anodizing and the evaluation of its corrosion behavior. <i>Surface and Coatings Technology</i> , <b>2017</b> , 324, 99-105	4.4	40
197	LaCrO <sub>3</sub> /CuFe <sub>2</sub> O <sub>4</sub> Composite-Coated Crofer 22 APU Stainless Steel Interconnect of Solid Oxide Fuel Cells. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2017</b> , 48, 3490-3496	2.3	2
196	Effects of coated and non-coated ZnO nano particles on cucumber seedlings grown in gel chamber. <i>Archives of Agronomy and Soil Science</i> , <b>2017</b> , 63, 1108-1120	2	21
195	A comparative review on sleep stage classification methods in patients and healthy individuals. <i>Computer Methods and Programs in Biomedicine</i> , <b>2017</b> , 140, 77-91	6.9	144
194	Dependence of corrosion properties of AISI 304L stainless steel on the austenite grain size. <i>International Journal of Materials Research</i> , <b>2017</b> , 108, 552-559	0.5	6
193	Reliability and diffusion-controlled through thickness oxidation of optical materials in LED-based products. <i>Microelectronics Reliability</i> , <b>2017</b> , 78, 143-147	1.2	3
192	Sleep microstructure dynamics and neurocognitive performance in obstructive sleep apnea syndrome patients. <i>Journal of Integrative Neuroscience</i> , <b>2017</b> , 16, 127-142	1.5	7
191	Bulk Al <sub>3</sub> Zr composite prepared by mechanical alloying and hot extrusion for high-temperature applications. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2017</b> , 24, 937-942	3.1	2
190	Development of Al-Al <sub>3</sub> Ni Nanocomposite by Duplex Processing of Flame Spray and Friction Stir Processing, and Evaluation of Its Properties. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2017</b> , 48, 4693-4700	2.3	1
189	Bioavailability of coated and uncoated ZnO nanoparticles to cucumber in soil with or without organic matter. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 144, 543-551	7	52
188	Formation mechanism, crystallite growth and electrical conductivity of nano-crystalline Cu <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> (0.75 $\leq$ x $\leq$ 1.25) spinels prepared by glycine-nitrate process. <i>Thermochimica Acta</i> , <b>2016</b> , 639, 91-97	2.9	3
187	Fabrication of Bulk (Fe,Cr) <sub>3</sub> Al/Al <sub>2</sub> O <sub>3</sub> Intermetallic Matrix Nanocomposite Through Mechanical Alloying and Sintering. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2016</b> , 29, 911-919	2.5	6
186	CdGAP/ARHGAP31, a Cdc42/Rac1 GTPase regulator, is critical for vascular development and VEGF-mediated angiogenesis. <i>Scientific Reports</i> , <b>2016</b> , 6, 27485	4.9	18
185	Fabrication and modeling of shape memory alloy springs. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 125003	3	14
184	A study of pressureless microwave sintering, microwave-assisted hot press sintering and conventional hot pressing on properties of aluminium/alumina nanocomposite. <i>Journal of Mechanical Science and Technology</i> , <b>2016</b> , 30, 1967-1972	1.6	18

183	Correlation between microstructure and electrical properties of Cu <sub>1.3</sub> Mn <sub>1.7</sub> O <sub>4</sub> /La <sub>2</sub> O <sub>3</sub> composite-coated ferritic stainless steel interconnects. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 673, 249-257	5.7	11
182	The use of response surface methodology in cryorolling of ultrafine grained Al6061 to improve the mechanical properties. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , <b>2016</b> , 230, 400-417	1.3	2
181	Effect of Cryorolling and Aging on Fatigue Behavior of Ultrafine-grained Al6061. <i>Jom</i> , <b>2016</b> , 68, 1446-1455	1.5	7
180	Oxidation and electrical behavior of CuFe <sub>2</sub> O <sub>4</sub> spinel coated Crofer 22 APU stainless steel for SOFC interconnect application. <i>Solid State Ionics</i> , <b>2016</b> , 289, 95-105	3.3	27
179	Method for determining utility and consumer harmonic contributions based on complex independent component analysis. <i>IET Generation, Transmission and Distribution</i> , <b>2016</b> , 10, 526-534	2.5	43
178	Brain Derived Neurotrophic Factor Modification of Epileptiform Burst Discharges in a Temporal Lobe Epilepsy Model. <i>Basic and Clinical Neuroscience</i> , <b>2016</b> , 7, 115-20	1.4	9
177	Thermodynamic analysis of nanostructured (Fe,Cr) <sub>3</sub> Al formation during mechanical alloying. <i>Materials Research Innovations</i> , <b>2016</b> , 20, 32-36	1.9	3
176	Synthesis and thermodynamic analysis of nanostructured CuNiCoZnAl high entropy alloy produced by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 685, 278-286	5.7	35
175	Effect of Friction Stir Processing on Microstructure and Mechanical Properties of AZ91C Magnesium Cast Alloy Weld Zone. <i>Journal of Materials Engineering and Performance</i> , <b>2016</b> , 25, 2776-2785	1.6	7
174	Recrystallisation mechanism during friction stir welding of ultrafine- and coarse-grained AISI 304L stainless steel. <i>Science and Technology of Welding and Joining</i> , <b>2016</b> , 21, 287-294	3.7	14
173	Characterization of NbSi <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> nanocomposite coatings prepared with plasma spraying mechanically alloyed powders. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2015</b> , 22, 748-754	3.4	2
172	Phase Stability in Mechanically Alloyed Mg <sub>2</sub> Ni System Studied by Experiments and Thermodynamic Calculations. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2015</b> , 28, 1002-1007	2.5	4
171	The role of martensitic transformation on bimodal grain structure in ultrafine grained AISI 304L stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 636, 221-230	5.3	37
170	Friction-stir welding of ultrafine grained austenitic 304L stainless steel produced by martensitic thermomechanical processing. <i>Materials &amp; Design</i> , <b>2015</b> , 76, 130-140		38
169	Development of Surface Nanocomposite Based on Al-Ni-O Ternary System on Al6061 Alloy by Friction-Stir Processing and Evaluation of Its Properties. <i>Jom</i> , <b>2015</b> , 67, 998-1006	2.1	18
168	Finite Element modeling of Microwave-Assisted Hot Press process in a multimode furnace. <i>Applied Mathematical Modelling</i> , <b>2015</b> , 39, 7452-7468	4.5	8
167	A comparative study on wear properties of nanostructured Al and Al/Al <sub>2</sub> O <sub>3</sub> nanocomposite prepared by microwave-assisted hot press sintering and conventional hot pressing. <i>Journal of Mechanical Science and Technology</i> , <b>2015</b> , 29, 3685-3690	1.6	9
166	Characterization of Nanostructured NbSi <sub>2</sub> Intermetallic Coatings Obtained by Plasma Spraying of Mechanically Alloyed Powders. <i>Journal of Thermal Spray Technology</i> , <b>2015</b> , 24, 947-952	2.5	3

165	Effect of heat treatment on martensitic transformation of Ni <sub>47</sub> Mn <sub>40</sub> Sn <sub>13</sub> ferromagnetic shape memory alloy prepared by mechanical alloying. <i>Metals and Materials International</i> , <b>2015</b> , 21, 758-764	2.4	19
164	Gas tungsten arc welding and friction stir welding of ultrafine grained AISI 304L stainless steel: Microstructural and mechanical behavior characterization. <i>Materials Characterization</i> , <b>2015</b> , 109, 138-151	3.9	30
163	Anticonvulsant effect of neural regeneration peptide 2945 on pentylenetetrazol-induced seizures in rats. <i>Neuropeptides</i> , <b>2015</b> , 49, 15-23	3.3	10
162	Investigating the Properties of Friction Welded 2014 Aluminum Joints Prepared with Different Rotational Speeds. <i>Transactions of the Indian Institute of Metals</i> , <b>2015</b> , 68, 479-489	1.2	12
161	Development of surface composite based on Mg <sub>2</sub> Al <sub>3</sub> Ni system on AZ31 magnesium alloy and evaluation of formation mechanism. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 623, 335-341	5.7	21
160	Nanocrystallization of the Ti <sub>50</sub> Ni <sub>48</sub> Co <sub>2</sub> Shape Memory Alloy by Thermomechanical Treatment. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 445-451	1.6	9
159	Calculation of short circuit electromagnetic forces in Dryformer using finite element method. <i>International Transactions on Electrical Energy Systems</i> , <b>2015</b> , 25, 433-453	2.2	
158	Development of Cu <sub>1.3</sub> Mn <sub>1.7</sub> O <sub>4</sub> spinel coating on ferritic stainless steel for solid oxide fuel cell interconnects. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 1073-1083	8.9	56
157	Structural and functional effects of social isolation on the hippocampus of rats with traumatic brain injury. <i>Behavioural Brain Research</i> , <b>2015</b> , 278, 55-65	3.4	22
156	Cognitive impairments and neuronal injury in different brain regions of a genetic rat model of absence epilepsy. <i>Neuroscience</i> , <b>2015</b> , 298, 161-70	3.9	36
155	Improvement of Tribological Behavior of Ti <sub>6</sub> Al <sub>4</sub> V Alloy Using Nanostructured NbSi <sub>2</sub> and NbSi <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Plasma Spray Coatings. <i>Transactions of the Indian Institute of Metals</i> , <b>2015</b> , 68, 927-934	1.2	4
154	Presenting efficient features for automatic CAP detection in sleep EEG signals <b>2015</b> ,		7
153	Experimental and Finite Element Simulation of Wear in Nanostructured NiAl Coating. <i>Journal of Tribology</i> , <b>2015</b> , 137,	1.8	7
152	A Novel Method for Noninvasive Estimation of Utility Harmonic Impedance Based on Complex Independent Component Analysis. <i>IEEE Transactions on Power Delivery</i> , <b>2015</b> , 30, 1843-1852	4.3	55
151	Fate and effect of tire rubber ash nano-particles (RANPs) in cucumber. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 115, 137-43	7	10
150	Synthesis and Hydrogen Desorption Properties of Mg <sub>1.7</sub> Al <sub>0.15</sub> Ti <sub>0.15</sub> Ni-CNT Nanocomposite Powder. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 1100-1106	1.6	2
149	The effect of cold rolling and annealing on microstructure and tensile properties of the nanostructured Ni <sub>50</sub> Ti <sub>50</sub> shape memory alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 607, 33-37	5.3	24
148	The effect of thermomechanical processing on the microstructure and mechanical properties of the nanocrystalline TiNiCo shape memory alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 598, 183-189	5.3	17



147	Synthesis of CuZrAl/Al <sub>2</sub> O <sub>3</sub> amorphous nanocomposite by mechanical alloying. <i>Advanced Powder Technology</i> , <b>2014</b> , 25, 519-523	4.6	12
146	Synthesis of (Fe,Cr) <sub>3</sub> AlAl <sub>2</sub> O <sub>3</sub> nanocomposite through mechanochemical combustion reaction induced by ball milling of Cr, Al and Fe <sub>2</sub> O <sub>3</sub> powders. <i>Advanced Powder Technology</i> , <b>2014</b> , 25, 408-414	4.6	13
145	Thermal Stability Study of Ultrafine Grained 304L Stainless Steel Produced by Martensitic Process. <i>Journal of Materials Engineering and Performance</i> , <b>2014</b> , 23, 1665-1672	1.6	19
144	Simultaneous Reconfiguration and Capacitor Placement with Harmonic Consideration Using Fuzzy Harmony Search Algorithm. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 3859-3871		11
143	Magnetocaloric effect in Ni <sub>47</sub> Mn <sub>40</sub> Sn <sub>13</sub> alloy prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 598, 6-10	5.7	21
142	Photovoltaic Characterization and Electrochemical Impedance Spectroscopy Analysis of Dye-Sensitized Solar Cells Based on Composite TiO <sub>2</sub> /MWCNT Photoelectrodes. <i>Journal of Electronic Materials</i> , <b>2014</b> , 43, 1450-1459	1.9	17
141	Kinetic analysis of thermite reaction in AlTiFe <sub>2</sub> O <sub>3</sub> system to produce (Fe,Ti) <sub>3</sub> AlAl <sub>2</sub> O <sub>3</sub> nanocomposite. <i>Powder Technology</i> , <b>2014</b> , 253, 553-560	5.2	13
140	The effect of grain size and martensitic transformation on the wear behavior of AISI 304L stainless steel. <i>Materials &amp; Design</i> , <b>2014</b> , 64, 56-62		36
139	Formation of the Nanocrystalline Structure in an Equiatomic NiTi Shape-Memory Alloy by Thermomechanical Processing. <i>Journal of Materials Engineering and Performance</i> , <b>2014</b> , 23, 1408-1414	1.6	9
138	Nanoscale Grain Growth Behaviour of CoAl Intermetallic Synthesized by Mechanical Alloying. <i>Bulletin of Materials Science</i> , <b>2014</b> , 37, 383-387	1.7	4
137	A study on mechanical and physical properties of monocalcium aluminate cement reinforced with nano-SiO <sub>2</sub> particles. <i>Composites Part B: Engineering</i> , <b>2014</b> , 56, 30-33	10	18
136	Synthesis of the CaAl <sub>2</sub> O <sub>4</sub> nanoceramic compound using high-energy ball milling with subsequent annealing. <i>Advanced Powder Technology</i> , <b>2014</b> , 25, 338-341	4.6	14
135	Microstructural and wear characteristics of HVOF-sprayed nanocrystalline NiAl coating. <i>Wear</i> , <b>2014</b> , 309, 192-199	3.5	16
134	On effect of squeezing pressure on microstructural characteristics, heat treatment response and electrical conductivity of an Al-Si-Mg-Ni-Cu alloy. <i>Materials Science and Technology</i> , <b>2014</b> , 30, 1162-1169	1.5	15
133	Physical, mechanical and dry sliding wear properties of an AlSiMgNiCu alloy under different processing conditions. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 582, 213-222	5.7	24
132	Microstructure and mechanical properties of transient liquid phase bonding of Al <sub>2</sub> O <sub>3</sub> p/Al nanocomposite using copper interlayer. <i>Materials &amp; Design</i> , <b>2014</b> , 53, 275-282		12
131	Formation mechanism of NbSi <sub>2</sub> Al <sub>2</sub> O <sub>3</sub> nanocomposite subject to mechanical alloying. <i>Advanced Powder Technology</i> , <b>2014</b> , 25, 1357-1361	4.6	11
130	Microstructural characterization and electrical conductivity of Cu <sub>x</sub> Mn <sub>3-x</sub> O <sub>4</sub> (0.9 ≤ x ≤ 1.3) spinels produced by optimized glycine/nitrate combustion and mechanical milling processes. <i>Ceramics International</i> , <b>2014</b> , 40, 12219-12226	5.1	16

129	Effects of Micro and Macroalloying on the Formation and Thermal Stability of Nanocrystalline L12-Al3V. <i>Journal of Materials Engineering and Performance</i> , <b>2014</b> , 23, 1173-1181	1.6	2
128	Tribological Behavior of A356/Al <sub>2</sub> O <sub>3</sub> Surface Nanocomposite Prepared by Friction Stir Processing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2014</b> , 45, 2250-2259	2.3	50
127	Microstructure and Mechanical Property Change During FSW and GTAW of Al6061 Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2013</b> , 44, 2187-2195	2.3	12
126	Thermodynamic analysis of TiAl <sub>3</sub> intermetallics formation by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 576, 317-323	5.7	33
125	Preparation of nano-particles from waste tire rubber and evaluation of their effectiveness as zinc source for cucumber in nutrient solution culture. <i>Scientia Horticulturae</i> , <b>2013</b> , 160, 398-403	4.1	28
124	Diminution of the NMDA receptor NR2B subunit in cortical and subcortical areas of WAG/Rij rats. <i>Synapse</i> , <b>2013</b> , 67, 839-46	2.4	14
123	In-situ fabrication of Al <sub>3</sub> V/Al <sub>2</sub> O <sub>3</sub> nanocomposite through mechanochemical synthesis and evaluation of its mechanism. <i>Advanced Powder Technology</i> , <b>2013</b> , 24, 106-112	4.6	10
122	Development of Al <sub>3</sub> Si/Al <sub>2</sub> O <sub>3</sub> Nanocomposite Coatings by High Velocity Oxy-fuel Technique. <i>Journal of Materials Science and Technology</i> , <b>2013</b> , 29, 813-820	9.1	14
121	The Effect of Crystallinity of Carbon Source on Mechanically Activated Carbothermic Synthesis of Nano-Sized SiC Powders. <i>Journal of Materials Engineering and Performance</i> , <b>2013</b> , 22, 421-426	1.6	2
120	Formation and characterization of amorphous/nanocrystalline Al <sub>80</sub> Fe <sub>10</sub> M <sub>10</sub> [M = Fe, Nb, Ti, Ni, (Ni <sub>0.5</sub> Ti <sub>0.5</sub> )] alloys. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 551, 584-590	5.7	7
119	A novel route for development of Al/Cr <sub>2</sub> O <sub>3</sub> surface nano-composite by friction stir processing. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 562, 48-55	5.7	31
118	Wear characteristics of Al/Cr <sub>2</sub> O <sub>3</sub> surface nano-composite layer fabricated on Al6061 plate by friction stir processing. <i>Wear</i> , <b>2013</b> , 304, 144-151	3.5	45
117	Investigation of the effects of grain size and nano-sized reinforcements on tribological properties of Ti <sub>6</sub> Al <sub>4</sub> V alloy. <i>Wear</i> , <b>2013</b> , 305, 51-57	3.5	7
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115	Kinetic study of non-isothermal crystallization in Al <sub>80</sub> Fe <sub>10</sub> Ti <sub>5</sub> Ni <sub>5</sub> metallic glass. <i>Metals and Materials International</i> , <b>2013</b> , 19, 901-906	2.4	8
114	Study on the Wear Behavior of Ultrafine Grained 304L Stainless Steel. <i>Advanced Materials Research</i> , <b>2013</b> , 829, 177-181	0.5	1
113	Behavioural and histopathological assessment of the effects of periodic fasting on pentylenetetrazol-induced seizures in rats. <i>Nutritional Neuroscience</i> , <b>2013</b> , 16, 147-52	3.6	10
112	PROPERTIES OF BULK Fe <sub>70</sub> Ni <sub>30</sub> /CNT NANOCOMPOSITES PREPARED BY MECHANICAL MILLING AND SINTERING. <i>International Journal of Modern Physics B</i> , <b>2013</b> , 27, 1350102	1.1	3

111	Fabrication and mechanical property prediction of carbon nanotube reinforced Aluminum nanocomposites. <i>Materials &amp; Design</i> , <b>2012</b> , 34, 1-14		44
110	Formation mechanism and characterization of nanostructured Ti6Al4V alloy prepared by mechanical alloying. <i>Materials &amp; Design</i> , <b>2012</b> , 37, 152-160		30
109	Corrosion behavior of aluminum 6061 alloy joined by friction stir welding and gas tungsten arc welding methods. <i>Materials &amp; Design</i> , <b>2012</b> , 39, 329-333		76
108	Synthesis and formation mechanism of nanostructured NbAl <sub>3</sub> intermetallic during mechanical alloying and a kinetic study on its formation. <i>Thermochimica Acta</i> , <b>2012</b> , 529, 36-44	2.9	26
107	Rapid carbothermic synthesis of silicon carbide nano powders by using microwave heating. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 1787-1794	6	65
106	Anticonvulsant and neuroprotective effects of Pimpinella anisum in rat brain. <i>BMC Complementary and Alternative Medicine</i> , <b>2012</b> , 12, 76	4.7	56
105	Nb Doping Effects on Formation Mechanism and Structural Characteristics of Nanostructured Ti <sub>5</sub> Si <sub>3</sub> . <i>Materials and Manufacturing Processes</i> , <b>2012</b> , 27, 614-619	4.1	
104	Formation Mechanism of Nanostructured (Ni, Fe) <sub>3</sub> Al-Al <sub>2</sub> O <sub>3</sub> Nanocomposite and Its Characterization. <i>Materials and Manufacturing Processes</i> , <b>2012</b> , 27, 626-630	4.1	5
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102	Synthesis and structural characterization of nanocrystalline (Ni, Fe) <sub>3</sub> Al intermetallic compound prepared by mechanical alloying. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 284-289	4.6	12
101	Mechanochemical synthesis of Al <sub>2</sub> O <sub>3</sub> /Co nanocomposite by aluminothermic reaction. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 334-337	4.6	16
100	Development of NiFe-CNT and Ni <sub>3</sub> Fe-CNT nanocomposites by mechanical alloying. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 338-342	4.6	17
99	Thermodynamic analysis of (Ni, Fe) <sub>3</sub> Al formation by mechanical alloying. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 54, 406-411	2.9	17
98	The effect of vacancy defects and temperature on fundamental frequency of single walled carbon nanotubes. <i>Computational Materials Science</i> , <b>2012</b> , 63, 12-19	3.2	12
97	Development and characterization of CoAl-Al <sub>2</sub> O <sub>3</sub> intermetallic matrix nanocomposite. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 136, 341-346	4.4	3
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95	The pattern of injury and poisoning in South East Iran. <i>BMC International Health and Human Rights</i> , <b>2012</b> , 12, 17	2.5	12
94	Mechanochemical Behavior of NiO-Al-Fe Powder Mixtures to Produce (Ni, Fe) <sub>3</sub> Al-Al <sub>2</sub> O <sub>3</sub> Nanocomposite Powder. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2012</b> , 43, 3359-3365	2.3	

93	Neuronal death by repetitive cortical spreading depression in juvenile rat brain. <i>Experimental Neurology</i> , <b>2012</b> , 233, 438-46	5.7	35
92	A study on the mechanochemical behavior of TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> system to produce Ti <sub>5</sub> Si <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> nanocomposite. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 199-204	4.6	7
91	Mechanical properties of nanostructured Al <sub>2</sub> O <sub>3</sub> /MWCNT composite prepared by optimized mechanical milling and hot pressing methods. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 205-210	4.6	53
90	The effect of type of atmospheric gas on milling behavior of nanostructured Ti6Al4V alloy. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 264-267	4.6	7
89	Consolidation of Amorphous Powders by Hot Pressing. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-10	3.2	3
88	In-Situ Synthesis of Alumina Reinforced (Fe,Cr) <sub>3</sub> Al Intermetallic Matrix Nanocomposite. <i>Materials and Manufacturing Processes</i> , <b>2012</b> , 27, 1348-1353	4.1	14
87	Synthesis of Nanocrystalline (Fe,Cr) <sub>3</sub> Al Powder by Mechanical Alloying. <i>Materials and Manufacturing Processes</i> , <b>2012</b> , 27, 467-471	4.1	14
86	FABRICATION AND CHARACTERIZATION OF NANOSTRUCTURED CU-15WT.% MO COMPOUND BY MECHANICAL ALLOYING. <i>International Journal of Modern Physics Conference Series</i> , <b>2012</b> , 05, 456-463	0.7	
85	Thermodynamic analysis of nanocrystalline and amorphous phase formation in Nb/Al system during mechanical alloying. <i>Powder Metallurgy</i> , <b>2012</b> , 55, 142-147	1.9	12
84	A stretch of polybasic residues mediates Cdc42 GTPase-activating protein (Cdc42GAP) binding to phosphatidylinositol 3,4,5-trisphosphate and regulates its GAP activity. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 19610-21	5.4	12
83	Thermodynamic analysis and characterisation of nanostructured Cu(Mo) compounds prepared by mechanical alloying and subsequent sintering. <i>Powder Metallurgy</i> , <b>2012</b> , 55, 222-227	1.9	12
82	FABRICATION AND CHARACTERIZATION OF AL-AL <sub>4</sub> C <sub>3</sub> NANOCOMPOSITE BY MECHANICAL ALLOYING. <i>International Journal of Modern Physics Conference Series</i> , <b>2012</b> , 05, 480-487	0.7	5
81	Metastable Phases in Al <sub>80</sub> Fe <sub>10</sub> Ti <sub>5</sub> Ni <sub>5</sub> Alloy Fabricated by Non-Equilibrium Processes. <i>Materials Transactions</i> , <b>2012</b> , 53, 1739-1743	1.3	1
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77	Mechanochemically Synthesized Metallic-Ceramic Nanocomposite; Mechanisms and Properties <b>2011</b> ,		2
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71	Nanocrystalline NiAl Coating Prepared by HVOF Thermal Spraying. <i>Journal of Thermal Spray Technology</i> , <b>2011</b> , 20, 440-446	2.5	27
70	Novel artificial neural network model for evaluating hardness of stir zone of submerge friction stir processed Al 6061-T6 plate. <i>Materials Science and Technology</i> , <b>2011</b> , 27, 990-995	1.5	12
69	Mechanochemical assisted synthesis of B <sub>4</sub> C nanoparticles. <i>Advanced Powder Technology</i> , <b>2011</b> , 22, 354-358	3.8	39
68	Preparation of Al <sub>2</sub> O <sub>3</sub> /TiB <sub>2</sub> nanocomposite powder by mechanochemical reaction between Al, B <sub>2</sub> O <sub>3</sub> and Ti. <i>Advanced Powder Technology</i> , <b>2011</b> , 22, 526-531	4.6	35
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65	A numerical study on the damping capacity of metal matrix nanocomposites. <i>Simulation Modelling Practice and Theory</i> , <b>2011</b> , 19, 337-349	3.9	7
64	Wear behavior of aluminum matrix hybrid nanocomposites fabricated by powder metallurgy. <i>Wear</i> , <b>2011</b> , 271, 1072-1079	3.5	54
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57	Microstructural evolution of nanostructure 7075 aluminum alloy during isothermal annealing. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 493, 137-141	5-7	39
56	Mechanochemical assisted synthesis of Al <sub>2</sub> O <sub>3</sub> /Nb nanocomposite by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 493, 609-612	5-7	12
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51	Fabrication and characterization of nanostructured Ti6Al4V powder from machining scraps. <i>Advanced Powder Technology</i> , <b>2010</b> , 21, 336-340	4.6	20
50	Compressive and wear behaviors of bulk nanostructured Al <sub>2</sub> O <sub>3</sub> alloy. <i>Materials &amp; Design</i> , <b>2010</b> , 31, 663-669		40
49	Effect of heat treatment on microstructure and corrosion behavior of Al6061 alloy weldment. <i>Materials &amp; Design</i> , <b>2010</b> , 31, 2643-2648		52
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47	Tribological and microstructural evaluation of friction stir processed Al <sub>2</sub> O <sub>3</sub> alloy. <i>Materials &amp; Design</i> , <b>2010</b> , 31, 4891-4896		57
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42	Thermodynamic analysis of NiTi formation by mechanical alloying. <i>Materials Letters</i> , <b>2009</b> , 63, 786-788	3-3	32
41	An experimental and numerical investigation on damping capacity of nanocomposite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 507, 149-154	5-3	10
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38	FABRICATION OF ALUMINUM MATRIX HYBRID NANOCOMPOSITE BY MECHANICAL MILLING. <i>International Journal of Modern Physics B</i> , <b>2009</b> , 23, 4825-4832	1.1	8
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33	Effect of casting process on microstructure and tribological behavior of LM13 alloy. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 475, 321-327	5.7	19
32	Bulk Al <sub>2</sub> N/Al <sub>2</sub> O <sub>3</sub> nanocomposite prepared by reactive milling and hot pressing methods. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 475, 198-201	5.7	48
31	Synthesis and characterization of NiAl/Al <sub>2</sub> O <sub>3</sub> nanocomposite powder by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 477, 178-181	5.7	54
30	In situ synthesis mechanism of Al <sub>2</sub> O <sub>3</sub> /Mo nanocomposite by ball milling process. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 477, 692-695	5.7	28
29	Thermal stability and structural changes during heat treatment of nanostructured Al <sub>2</sub> O <sub>3</sub> /Al alloy. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 478, 260-264	5.7	28
28	Synthesis and characterization of TiAl <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> nanocomposite by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 478, 257-259	5.7	50
27	Investigation of structural and magnetic properties of nanocrystalline Ni <sub>0.3</sub> Zn <sub>0.7</sub> Fe <sub>2</sub> O <sub>4</sub> prepared by high energy ball milling. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 480, 737-740	5.7	30
26	The structure and mechanical properties of Fe <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> /0vol.% Al <sub>2</sub> O <sub>3</sub> nanocomposite. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 488, 134-137	5.7	26
25	Mechanochemical synthesis of (Fe,Ti) <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> nanocomposite. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 488, 144-147	5.7	31
24	Characterization and formation mechanism of nanocrystalline (Fe,Ti) <sub>3</sub> Al intermetallic compound prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 480, 392-396	5.7	33
23	A study on mechanochemical behavior of B <sub>2</sub> O <sub>3</sub> /Al system to produce alumina-based nanocomposite. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 482, 110-113	5.7	35
22	Microstructure and tensile properties of thixoformed A356 alloy. <i>Materials Characterization</i> , <b>2008</b> , 59, 223-228	3.9	32

21	Fabrication of Al <sub>3</sub> Zn/Al <sub>2</sub> O <sub>3</sub> nanocomposite by mechanical alloying. <i>Materials Letters</i> , <b>2008</b> , 62, 282-285	3.3	54
20	Corrosion and galvanic coupling of heat treated Ti-6Al-4V alloy weldment. <i>Materials Letters</i> , <b>2008</b> , 62, 1575-1578	3.3	15
19	Softening behaviour of nanostructured Al <sub>90</sub> 4wt% Zn alloy during mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 464, 107-110	5.7	34
18	HEAT TREATMENT EFFECTS ON STRUCTURE AND PROPERTIES OF SYNTHESIZED NANOCRYSTALLINE NiTi INTERMETALLIC BY MECHANICAL ALLOYING. <i>International Journal of Modern Physics B</i> , <b>2008</b> , 22, 2970-2978	1.1	1
17	FABRICATION OF IRON-ALUMINA NANOCOMPOSITE POWDER BY HIGH ENERGY BALL MILLING OF HEMATITE-ALUMINUM POWDER MIXTURE. <i>International Journal of Modern Physics B</i> , <b>2008</b> , 22, 3233-3236	1.1	4
16	Microglial cell death induced by glycated bovine serum albumin: nitric oxide involvement. <i>Journal of Biochemistry</i> , <b>2008</b> , 144, 197-206	3.1	14
15	Mechanochemical behavior of Fe <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> powder mixtures to produce Fe <sub>3</sub> Al <sub>2</sub> O <sub>3</sub> nanocomposite powder. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 132-138	4.3	39
14	Synthesis of nanocrystalline NiAl by mechanical alloying. <i>Journal of Materials Processing Technology</i> , <b>2008</b> , 200, 312-315	5.3	68
13	Investigation of Ni nanocrystallization and the effect of Al <sub>2</sub> O <sub>3</sub> addition by high-energy ball milling. <i>Journal of Materials Processing Technology</i> , <b>2008</b> , 204, 125-129	5.3	20
12	Effect of heat treatment on corrosion behavior of Ti <sub>6</sub> Al <sub>4</sub> V alloy weldments. <i>Journal of Materials Processing Technology</i> , <b>2008</b> , 206, 388-394	5.3	32
11	Synthesis and characterization of Zn/Al <sub>2</sub> O <sub>3</sub> nanocomposite by mechanical alloying. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 486, 45-48	5.3	50
10	Synthesis and characterization of nanocrystalline NiTi intermetallic by mechanical alloying. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 487, 46-51	5.3	70
9	Effect of TIG welding on corrosion behavior of 316L stainless steel. <i>Materials Letters</i> , <b>2007</b> , 61, 2343-2346	5.3	131
8	Modeling Considerations and Material Properties Evaluation in Analysis of Carbon Nano-Tubes Composite. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2007</b> , 38, 695-705	2.5	20
7	Determination of Culture Condition for Polygalacturonase Production by Rhizoctonia solani AG2-2, Causal Agent of Root Rot in Sugar Beet. <i>Plant Pathology Journal</i> , <b>2007</b> , 6, 153-158	0.6	1
6	Artificial neural network modeling for evaluating of epitaxial growth of Ti <sub>6</sub> Al <sub>4</sub> V weldment. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 432, 184-190	5.3	45
5	EFFECT OF MICROPLASMA ARC WELDING PROCESS PARAMETERS ON GRAIN GROWTH AND POROSITY DISTRIBUTION OF THIN SHEET Ti <sub>6</sub> Al <sub>4</sub> V ALLOY WELDMENT. <i>Materials and Manufacturing Processes</i> , <b>2005</b> , 20, 205-219	4.1	43
4	Surface Characteristics and Tribological Properties of Ti-Al Intermetallic Compound Coatings On Ferrous Substrates. <i>Surface Engineering</i> , <b>2002</b> , 18, 368-372	2.6	2



3	Formation of TiNi intermetallic coatings on carbon tool steel by a duplex process. <i>Surface and Coatings Technology</i> , <b>2001</b> , 148, 55-60	4.4	24
2	Green synthesis of ZnO@ZnS core-shell nanoparticles for detection of lead and iron ions in aqueous solutions by colorimetric paper sensors. <i>Chemical Papers</i> ,1	1.9	0
1	Preparation of paraffin/silica-graphene shape-stabilized composite phase change materials for thermal energy storage. <i>Journal of Materials Science: Materials in Electronics</i> ,1	2.1	0