

Masoud Emamy

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.

191
papers

3,688
citations

34
h-index

50
g-index

197
ext. papers

4,343
ext. citations

3
avg, IF

5.95
L-index

#	Paper	IF	Citations
191	Microstructures and mechanical performance of Mg ₂ Si/BiNi ₂ Y in situ composite after extrusion process. <i>Materials Science and Technology</i> , 2022 , 38, 169-180	1.5	2
190	Effects of Zr additions on structure and tensile properties of an Al-4.5Cu-0.3Mg-0.05Ti (wt.%) alloy. <i>China Foundry</i> , 2022 , 19, 9	0.8	0
189	Improvement of mechanical properties of in situ Mg-Si composites via Cu addition and hot working. <i>Journal of Alloys and Compounds</i> , 2022 , 164176	5.7	4
188	Tailoring the mechanical properties of hypereutectic in situ Al/Mg ₂ Si composites via hybrid TiB ₂ reinforcement and hot extrusion. <i>Archives of Civil and Mechanical Engineering</i> , 2022 , 22, 1	3.4	3
187	Mechanical properties of as-cast and wrought Mg ₂ Ni-xAl magnesium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 840, 142996	5.3	1
186	Microstructure, mechanical properties and wear behaviour of the AZ91/Mg ₂ Si/BiC hybrid composites. <i>Materials Science and Technology</i> , 2021 , 37, 1333-1341	1.5	2
185	Enhanced tensile properties of as-cast Mg-10Al magnesium alloy via strontium addition and hot working. <i>Archives of Civil and Mechanical Engineering</i> , 2021 , 21, 1	3.4	4
184	Effect of microalloying by Ca on the microstructure and mechanical properties of as-cast and wrought Mg/Mg ₂ Si composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 820, 141574	5.3	13
183	Enhanced mechanical properties of AZ91 magnesium alloy by inoculation and hot deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 802, 140667	5.3	20
182	Microstructure and Tensile Properties of Mg ₂ Zn Alloy Containing Ca. <i>Metals and Materials International</i> , 2021 , 27, 1565-1577	2.4	6
181	In- vitro corrosion behavior of the cast and extruded biodegradable Mg-Zn-Cu alloys in simulated body fluid (SBF). <i>Journal of Magnesium and Alloys</i> , 2021 , 9, 2078-2078	8.8	6
180	Synergistic effects of alloying, homogenization, and hot extrusion on the mechanical properties of as-cast Mg ₂ Al ₂ Ca magnesium alloys. <i>Archives of Civil and Mechanical Engineering</i> , 2021 , 21, 1	3.4	1
179	Enhanced mechanical properties of as-cast Mg-Al-Ca magnesium alloys by friction stir processing. <i>Materials Letters</i> , 2021 , 296, 129880	3.3	13
178	Microstructure, tensile and bending behaviour of the as-cast AM50 alloy modified with different antimony and copper additions. <i>Materials Science and Technology</i> , 2021 , 37, 86-102	1.5	
177	Effects of Al ₃ Ni and Al ₇ Cr Intermetallics and T6 Heat Treatment on the Microstructure and Tensile Properties of Al-Zn-Mg-Cu Alloy. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 3432-3442	1.6	1
176	Enhanced mechanical properties of as-cast AZ91 magnesium alloy by combined RE-Sr addition and hot extrusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 792, 139817	5.3	22
175	Elucidating the Effects of Cu and Hot-Extrusion on Tensile Properties of Al ₂ Sb In Situ Composite. <i>Metals and Materials International</i> , 2020 , 27, 2682	2.4	0

174	Influence of Cu Addition on the Microstructure, Mechanical, and Corrosion Properties of Extruded Mg-2%Zn Alloy. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 2991-3003	1.6	6
173	Tailoring the mechanical properties of Mg ₂ Zn magnesium alloy by calcium addition and hot extrusion process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 774, 138929	5.3	39
172	Mechanical Behavior of As-Cast and Extruded Mg-Si-Ni-Ca Magnesium Alloys. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 7728-7735	1.6	10
171	Effect of Zn addition on the microstructure and mechanical properties of Mg-0.5Ca-0.5RE magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152380	5.7	24
170	The statistical analysis of tensile and compression properties of the as-cast AZ91-X%B4C composites. <i>International Journal of Metalcasting</i> , 2020 , 14, 505-517	1.4	7
169	Effect of Si and Ni on microstructure and mechanical properties of in-situ magnesium-based composites in the as-cast and extruded conditions. <i>Materials Chemistry and Physics</i> , 2019 , 232, 305-310	4.4	13
168	The Microstructure, and Mechanical and Corrosion Properties of As-Cast and As-Extruded Mg-2%Zn-x%Cu Alloys After Solution and Aging Heat Treatments. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 2305-2315	1.6	6
167	A new intermetallic phase formation in MgSiNi magnesium-based in-situ formed alloys. <i>Vacuum</i> , 2019 , 164, 349-354	3.7	20
166	Effect of Ca additions on evolved microstructures and subsequent mechanical properties of a cast and hot-extruded Mg ₂ ZnZr magnesium alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 104, 4265-4275	3.2	9
165	Unraveling the effects of Zn addition and hot extrusion process on the microstructure and mechanical properties of as-cast Mg ₂ Al magnesium alloy. <i>Vacuum</i> , 2019 , 167, 214-222	3.7	32
164	Mechanical properties of Mg-Al-Mn magnesium alloys with low Al content in the as-cast and extruded conditions. <i>Materials Research Express</i> , 2019 , 6, 106521	1.7	10
163	Evaluating the Effect of Hot-Rolling Reduction on the Mechanical Properties of In Situ Formed AluminumMagnesiumSilicon (Al-Mg ₂ Si) Composites. <i>Advanced Engineering Materials</i> , 2019 , 21, 1900609	3.5	6
162	Constitutive modeling of flow stress during hot deformation of SnAl ₂ ZnCuMg multi-principal-element alloy. <i>Vacuum</i> , 2019 , 170, 108970	3.7	8
161	Elucidating the Effect of TiB ₂ Volume Percentage on the Mechanical Properties and Corrosion Behavior of Al5083-TiB ₂ Composites. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 6912-6920	1.6	3
160	The microstructure, mechanical and wear properties of AZ91-x%B4C metal matrix composites in as-cast and extruded conditions. <i>Materials Research Express</i> , 2019 , 6, 126522	1.7	1
159	Grain refinement and enhanced mechanical properties of ZK20 magnesium alloy via hot extrusion and mischmetal addition. <i>Materials Research Express</i> , 2019 , 6, 116522	1.7	10
158	Microstructure Evolution and Mechanical Properties of the AZ91 Magnesium Alloy with Sr and Ti Additions in the As-Cast and As-Aged Conditions. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 6853-6863	1.6	7
157	Effect of Tool Pin Profile on the Microstructure and Tribological Properties of Friction Stir Processed Al-20 wt% Mg ₂ Si Composite. <i>Journal of Tribology</i> , 2019 , 141,	1.8	15

156	Enhancement of the microstructure and elevated temperature mechanical properties of as-cast Mg-Al ₂ Ca-Mg ₂ Ca in-situ composite by hot extrusion. <i>Materials Characterization</i> , 2019 , 147, 155-164	3.9	26
155	The Effects of Grain Refinement and Rare Earth Intermetallics on Mechanical Properties of As-Cast and Wrought Magnesium Alloys. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 1327-1333	1.6	48
154	Mechanical properties of a hot deformed Al-Mg ₂ Si in-situ composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 726, 10-17	5.3	44
153	Enhanced Ductility of a Fine-Grained Mg ₂ Al ₃ Zn Magnesium Alloy by Hot Extrusion. <i>Advanced Engineering Materials</i> , 2018 , 20, 1701171	3.5	58
152	The Microstructure and Tensile Properties of a Newly Developed Mg ₂ Al/Mg ₃ Sb ₂ In Situ Composite in As-Cast and Extruded Conditions. <i>Metals and Materials International</i> , 2018 , 24, 1099-1111	2.4	5
151	Effect of Pr on the grain refinement and mechanical properties of AM50 alloy in as-cast condition 2018 ,		1
150	Ca Addition Effects on the Microstructure, Tensile and Corrosion Properties of Mg Matrix Alloy Containing 8 wt.% Mg ₂ Si. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 411-422	1.6	10
149	Effect of gadolinium addition on microstructural evolution and solidification characteristics of Al-15%Mg ₂ Si in-situ composite. <i>Materials Characterization</i> , 2018 , 135, 57-70	3.9	21
148	Effects of Ca/Al ratio and extrusion process on Mg ₂ Al ₃ Ca alloys to produce a high toughness in-situ composite. <i>Philosophical Magazine</i> , 2018 , 98, 2826-2844	1.6	5
147	Effects of Zr addition on solidification characteristics of Al ₂ ZnMgCu alloy using thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 1457-1469	4.1	9
146	The effects of Zr and Ti on the microstructure and tensile properties of Al ₂ ZnMg aluminium alloy. <i>Canadian Metallurgical Quarterly</i> , 2018 , 57, 470-480	0.9	0
145	Synergistic effect of Al and Gd on enhancement of mechanical properties of magnesium alloys. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 228-235	3.6	49
144	The Effect of Ca Content on the Microstructure, Hardness and Tensile Properties of AZ81 Mg Cast Alloy. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 2151-2161	1.6	4
143	Influence of Cu Addition on the Structure, Mechanical and Corrosion Properties of Cast Mg-2%Zn Alloy. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 2136-2150	1.6	19
142	The Influence of Anode Composition on Energy Consumption and Current Efficiency in Zinc Electrowinning. <i>Journal of the Electrochemical Society</i> , 2017 , 164, E166-E172	3.9	4
141	The influence of heat treatment on the structure and tensile properties of thin-section A356 aluminum alloy casts refined by Ti, B and Zr. <i>Journal of Materials Research</i> , 2017 , 32, 3540-3547	2.5	2
140	The effects of Cu addition and solutionising heat treatment on the microstructure and wear properties of hot-extruded Al ₂ Mg ₂ Si eutectic alloy. <i>Advances in Materials and Processing Technologies</i> , 2017 , 3, 164-173	0.8	1
139	Improvement in Tensile and Wear Properties of As-Cast Al ₂ 5%Mg ₂ Si Composite Modified by Zn and Ni. <i>International Journal of Metalcasting</i> , 2017 , 11, 790-801	1.4	6

138	Elucidating the effect of intermetallic compounds on the behavior of Mg _{0.4} Al _{0.6} Zn magnesium alloys at elevated temperatures. <i>Journal of Materials Research</i> , 2017 , 32, 4186-4195	2.5	38
137	Toward unraveling the effects of intermetallic compounds on the microstructure and mechanical properties of Mg _{0.4} Al _{0.6} Zn magnesium alloys in the as-cast, homogenized, and extruded conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 680, 33-46	5.3	87
136	Thermal analysis study on the grain refinement of Al _{0.5} Zn _{0.5} Mg _{0.5} Cu alloy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 1941-1952	4.1	20
135	Wear Behavior of Al/CMA-Type Al ₃ Mg ₂ Nanocomposites Fabricated by Mechanical Milling and Hot Extrusion. <i>Tribology Transactions</i> , 2016 , 59, 219-228	1.8	10
134	Effects of Mg ₂ Sn intermetallic on the microstructure and tensile properties of Al _{0.5} Mg ₂ Si _{0.5} Sn composite. <i>Journal of Materials Research</i> , 2016 , 31, 3891-3899	2.5	4
133	Microstructural evaluation and tensile properties of Cd-added Al-15Mg ₂ Si-3Cu composite. <i>Advances in Materials and Processing Technologies</i> , 2016 , 2, 73-82	0.8	
132	High temperature friction and wear properties of graphene oxide/polytetrafluoroethylene composite coatings deposited on stainless steel. <i>RSC Advances</i> , 2016 , 6, 5977-5987	3.7	19
131	Effects of La intermetallics on the structure and tensile properties of thin section gravity die-cast A357 Al alloy. <i>Materials and Design</i> , 2016 , 94, 111-120	8.1	36
130	Mechanical and high temperature wear properties of extruded Al composite reinforced with Al ₁₃ Fe ₄ CMA nanoparticles. <i>Materials and Design</i> , 2016 , 90, 532-544	8.1	30
129	Effect of MoSi ₂ distribution on room and high temperature mechanical properties of aluminum matrix nanocomposites. <i>Journal of Materials Research</i> , 2016 , 31, 1741-1747	2.5	4
128	Evaluating Microstructure and High-Temperature Shear Behavior of Hot Extruded Al-Al ₁₃ Fe ₄ Nanocomposite. <i>Materials Transactions</i> , 2016 , 57, 1236-1245	1.3	2
127	The microstructural evolution of Al-10%Al ₃ Mg ₂ nanocomposite during mechanical milling. <i>Advances in Materials and Processing Technologies</i> , 2016 , 2, 152-164	0.8	3
126	Effects of pre-deformation on microstructure and tensile properties of Al _{0.4} Zn _{0.6} Cu alloy produced by modified strain induced melt activation. <i>Transactions of Nonferrous Metals Society of China</i> , 2016 , 26, 2283-2295	3.3	17
125	A novel aluminum based nanocomposite with high strength and good ductility. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 461-473	5.7	29
124	The Influences of Interfacial Characteristics and Subsurface Microstructural Evolution on Wear Behavior of Al/A ₂ O ₃ -5 Pct Alumina Micro/Nano-Composites. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015 , 46, 1115-1124	2.5	3
123	The effect of Al ₃ Ti ₂ B on the microstructure, hardness and tensile properties of a new Zn rich aluminium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 636, 421-429	5.3	19
122	Nanocomposites of aluminum alloy-MoSi ₂ : Synthesis and characterization. <i>Journal of Composite Materials</i> , 2015 , 49, 3145-3155	2.7	2
121	Microstructures and tensile properties of Al/2024Al 4 Sr composite after hot extrusion and T6 heat treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 625, 303-310	5.3	17

120	Effect of Hot Extrusion on Microstructure and Tensile Properties of Ca Modified Mg-Mg ₂ Si Composite 2015 , 11, 38-43		11
119	Effect of Al-15Zr Master Alloy and Extrusion Process on Microstructure and Mechanical Properties of Al-6%Mg Alloy 2015 , 11, 438-443		
118	The Effect of Si and Extrusion Process on the Microstructure and Tensile Properties of Mg-Mg ₂ Si Composite 2015 , 11, 79-83		9
117	The Effect of La-intermetallic Compounds on Tensile Properties of Al-15%Mg ₂ Si In-situ Composite 2015 , 11, 55-60		15
116	Investigation the Effect of Al-5Ti-1B Grain Refiner and T6 Heat Treatment on Tensile Properties of Al-8%Mg 2015 , 11, 32-37		6
115	Effects of Be additions on microstructure, hardness and tensile properties of A380 aluminum alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 3539-3545	3.3	8
114	Mechanical and Tribological Characterization of Al-Mg ₂ Si Composites After Yttrium Addition and Heat Treatment. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 1146-1156	1.6	34
113	The Effect of Copper Addition on the Fluidity and Viscosity of an Al-Mg-Si Alloy. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 469-476	1.6	23
112	On the conjoint influence of heat treatment and lithium content on microstructure and mechanical properties of A380 aluminum alloy. <i>Materials & Design</i> , 2014 , 59, 377-382		15
111	Evaluating the room temperature mechanical properties of age hardened AZ80 magnesium alloy using shear punch testing method. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 360-369	5.3	16
110	Effects of reinforcing particle size and interface bonding strength on tensile properties and fracture behavior of Al-A206/alumina micro/nanocomposites. <i>Journal of Composite Materials</i> , 2014 , 48, 3331-3346	2.7	21
109	Investigation of the effect of Al-8B master alloy and strain-induced melt activation process on dry sliding wear behavior of an Al ₇₀ Mg ₁₀ Ti alloy. <i>Materials & Design</i> , 2014 , 53, 308-316		18
108	Exploiting superior tensile properties of a novel network-structure AlA206 matrix composite by hybridizing micron-sized Al ₃ Ti with Al ₂ O ₃ nano particulates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 619, 190-198	5.3	17
107	Effects of Zn addition on the microstructure and tensile properties of hot-extruded Al ₆ wt% Al ₄ Sr in-situ composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 92-100	5.3	6
106	Effects of Zr and B on the structure and tensile properties of Al ₇₀ %Mg alloy. <i>Materials & Design</i> , 2014 , 56, 557-564		7
105	The influence of Ti on the microstructure and tensile properties of cast Al ₇₀ .5Cu ₀ .3Mg alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 590, 161-167	5.3	12
104	Microstructures and Tensile Properties of Hot-Extruded Al Matrix Composites Containing Different Amounts of Al ₄ Sr. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 5344-5350	2.3	9
103	Effect of grain refinement on mechanical properties and sliding wear resistance of extruded Sc-free 7042 aluminum alloy. <i>Materials & Design</i> , 2014 , 54, 361-367		24

102	The effect of Cu addition and solution heat treatment on the microstructure, hardness and tensile properties of Al ₉₅ Mg ₂ Si _{0.15} Li composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 576, 36-44	5.3	31
101	The effect of strain-induced melt activation process on the microstructure and mechanical properties of Ti-refined A6070 Al alloy. <i>Materials & Design</i> , 2013 , 46, 824-831		11
100	Mechanical and wear properties of Al-Al ₃ Mg ₂ nanocomposites prepared by mechanical milling and hot pressing. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013 , 20, 290-297	3.1	25
99	Structural characterization of AA 2024-MoSi ₂ nanocomposite powders produced by mechanical milling. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013 , 20, 298-306	3.1	6
98	Effects of Morphological Characteristics of Alumina Particles and Interfacial Bonding Strength on Wear Behavior of Nano/Micro-alumina Particulates Reinforced Al/A206 Matrix Composites. <i>Tribology Letters</i> , 2013 , 51, 499-511	2.8	5
97	Microstructures and tensile properties of hot-extruded Al matrix composites containing different amounts of Mg ₂ Si. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 586, 190-196	5.3	25
96	The effect of Al ₅ Ti ₁ B grain refiner on the structure and tensile properties of Al ₉₀ Mg alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 560, 148-153	5.3	19
95	The effect of Fe-rich intermetallics on the microstructure, hardness and tensile properties of Al ₉₅ Mg ₂ Si die-cast composite. <i>Materials & Design</i> , 2013 , 46, 881-888		23
94	Selection of an optimal refinement condition to achieve maximum tensile properties of Al ₉₅ Mg ₂ Si composite based on TOPSIS method. <i>Materials & Design</i> , 2013 , 46, 442-450		40
93	Effects of extrusion temperature on the microstructure and tensile properties of Al ₉₆ wt% Al ₄ Sr metal matrix composite. <i>Materials & Design</i> , 2013 , 46, 598-604		20
92	The influence of Cu ₅ P master alloy on the microstructure and tensile properties of Al ₉₅ wt% Mg ₂ Si composite before and after hot-extrusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 566, 1-7	5.3	22
91	Investigation of the effect of Al ₅ Ti ₁ B grain refiner on dry sliding wear behavior of an Al ₉₀ Mg ₁₀ Cu alloy formed by strain-induced melt activation process. <i>Materials & Design</i> , 2013 , 46, 766-775		31
90	The influence of Ni addition and hot-extrusion on the microstructure and tensile properties of Al ₉₅ Mg ₂ Si composite. <i>Materials & Design</i> , 2013 , 46, 381-390		30
89	Microstructure, hardness and tensile properties of A380 aluminum alloy with and without Li additions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 582, 409-414	5.3	33
88	Fabrication of Al/A206Al ₂ O ₃ nano/micro composite by combining ball milling and stir casting technology. <i>Materials & Design</i> , 2013 , 49, 347-359		117
87	Effects of the SIMA Process on the Microstructure of 6061 Al Alloy Refined by Al-5Ti-1B. <i>Key Engineering Materials</i> , 2013 , 553, 87-92	0.4	2
86	The Study of Microstructures and Tensile Properties of an In Situ A356-ZrB ₂ Metal Matrix Composite. <i>Key Engineering Materials</i> , 2013 , 553, 29-33	0.4	4
85	Effect of Titanium on Microstructure of Al2014 Alloy Prepared by SIMA Process. <i>Key Engineering Materials</i> , 2013 , 553, 93-98	0.4	1

84	The effect of Bi addition on the microstructure and tensile properties of cast Al-15%Mg2Si composite. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013 , 44, 431-435	0.9	7
83	The effect of Zr on the microstructure and tensile properties of hot-extruded AlMg2Si composite. <i>Materials & Design</i> , 2012 , 36, 323-330		45
82	Microstructural evolution and tensile properties of the in situ Al15%Mg2Si composite with extra Si contents. <i>Materials & Design</i> , 2012 , 37, 215-222		30
81	The effect of AlBB grain refiner and heat treatment conditions on the microstructure, mechanical properties and dry sliding wear behavior of an Al2ZnBMg2.5Cu aluminum alloy. <i>Materials & Design</i> , 2012 , 38, 64-73		14
80	The influence of Li on the tensile properties of extruded in situ Al15%Mg2Si composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 532, 346-353	5.3	35
79	Effect of Mn addition on the microstructure and tensile properties of Al15%Mg2Si composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 550, 191-198	5.3	50
78	The effect of mischmetal and heat treatment on the microstructure and tensile properties of A357 AlSi casting alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 556, 573-581	5.3	33
77	Preparation of the NiB composite coating co-deposited by nano TiC particles and evaluation of its corrosion property. <i>Applied Surface Science</i> , 2012 , 258, 2597-2601	6.7	51
76	Preparation of electroless NiB composite coatings containing nano-scattered alumina in presence of polymeric surfactant. <i>Progress in Natural Science: Materials International</i> , 2012 , 22, 318-325	3.6	43
75	Corrosion behavior of NiB/nano-TiC composite coating prepared in electroless baths containing different types of surfactant. <i>Progress in Natural Science: Materials International</i> , 2012 , 22, 480-487	3.6	31
74	Microstructure and tensile properties of cast Al15%Mg2Si composite: Effects of phosphorous addition and heat treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 556, 446-453	5.3	32
73	Synthesis and Mechanical Properties of a Novel Al/Al3Mg2 Nanocomposite Prepared by Mechanical Alloying Process. <i>Advanced Materials Research</i> , 2012 , 445, 827-832	0.5	1
72	Investigation of Wear Properties of Al-4.5wt.%Cu Nano-Composite Reinforced with Different Weight Percent of TiC Nano Particles Produced by Mechanical Alloying. <i>Advanced Materials Research</i> , 2012 , 545, 124-128	0.5	
71	STRUCTURAL AND MORPHOLOGICAL EVALUATION OF NANO-SIZED MoSi2 POWDER PRODUCED BY MECHANICAL MILLING. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 05, 464-471	0.7	1
70	Hardness and Wear Properties of Al‐4.5%Cu/Al3Mg2 Nanocomposite Prepared by Mechanical Alloying. <i>Materials Transactions</i> , 2012 , 53, 1310-1317	1.3	6
69	Effect of Isothermal Holding on Semisolid Microstructure of AlMg2Si Composites. <i>ISRN Metallurgy</i> , 2012 , 2012, 1-7		6
68	The study of Li effect on the microstructure and tensile properties of cast AlMg2Si metal matrix composite. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9026-9033	5.7	57
67	The influence of beryllium addition on the microstructure and mechanical properties of Al15%Mg2Si in-situ metal matrix composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 8205-8211	5.3	23

66	The effects of boron additions on the microstructure, hardness and tensile properties of in situ Al ₁₅ Mg ₂ Si composite. <i>Materials & Design</i> , 2011 , 32, 5049-5054		21
65	Study on fracture behaviour of Al ₁₅ Mg ₂ Si metal matrix composite with and without beryllium additions. <i>Journal of Materials Science</i> , 2011 , 46, 6856-6862	4.3	4
64	Influence of Hot Extrusion Process on the Mechanical Behavior of AA6061/SiC Composites. <i>Advanced Materials Research</i> , 2011 , 264-265, 141-148	0.5	
63	The Evolution of Heat Treatment on the Tensile Properties of Na-Modified Al-Mg ₂ Si In Situ Composite. <i>Advanced Materials Research</i> , 2011 , 311-313, 283-286	0.5	4
62	Effects of pre-deformation and heat treatment conditions in the SIMA process on properties of an Al ₁₅ Mg ₂ Cu alloy modified by Al ₈ B grain refiner. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 4482-4490	5.3	27
61	Effect of grain refinement on the microstructure and tensile properties of thin 319 Al castings. <i>Materials & Design</i> , 2011 , 32, 1542-1547		14
60	Effects of particulate reinforcement and heat treatment on the hardness and wear properties of AA 2024-MoSi ₂ nanocomposites. <i>Materials & Design</i> , 2011 , 32, 2157-2164		67
59	The effect of solution temperature on the microstructure and tensile properties of Al ₁₅ Mg ₂ Si composite. <i>Materials & Design</i> , 2011 , 32, 2701-2709		57
58	Effects of Al ₈ Ti ₈ B on the structure and hardness of a super high strength aluminum alloy produced by strain-induced melt activation process. <i>Materials & Design</i> , 2011 , 32, 4485-4492		22
57	Investigation of microstructure, hardness and wear properties of Al ₁₅ .5wt.% Cu ₁ C nanocomposites produced by mechanical milling. <i>Materials & Design</i> , 2011 , 32, 3718-3729		116
56	Microstructural and mechanical characterization of Al ₁₅ Mg ₂ Si composite containing chromium. <i>Materials & Design</i> , 2011 , 32, 4262-4269		29
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14	Modification of Al ₇₀ Mg ₂₀ Si In Situ Composite by Boron 843-850		
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7	Influence of Hot Extrusion on the Microstructure, Tensile and Wear Properties of Mg/Sb/SiC Hybrid Composites. <i>Metals and Materials International</i> ,1	2.4	1
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