

# Seyed Abdolkarim Sajjadi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4310240/publications.pdf>

Version: 2024-02-01

125  
papers

4,214  
citations

156536

32  
h-index

145109

60  
g-index

125  
all docs

125  
docs citations

125  
times ranked

3872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Hydrothermal Synthesis Temperature on the Microstructural and Thermoelectric Characteristics of Thermally Deposited Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> Thin Films. <i>Journal of Electronic Materials</i> , 2022, 51, 495-507.	1.0	4
2	Tribological properties of duplex coatings of chromium-vanadium carbide produced by thermo-reactive diffusion (TRD). <i>Ceramics International</i> , 2022, 48, 7475-7490.	2.3	5
3	Standard heat treatment effects on TLP bonded IN-738LC superalloy using BNi-9 filler: An approach to make an ideal joint. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 192-205.	1.7	4
4	A comprehensive review on the effects of doping process on the thermoelectric properties of Bi <sub>2</sub> Te <sub>3</sub> based alloys. <i>Journal of Alloys and Compounds</i> , 2022, 904, 163918.	2.8	31
5	Microstructural evolution and wear properties of chromium carbide coating formed by thermo-reactive diffusion (TRD) process on a cold-work tool steel. <i>Results in Surfaces and Interfaces</i> , 2022, 8, 100059.	1.0	4
6	Effects of Synthesis Parameters and Thickness on Thermoelectric Properties of Bi <sub>2</sub> Te <sub>3</sub> Fabricated Using Mechanical Alloying and Spark Plasma Sintering. <i>Journal of Electronic Materials</i> , 2021, 50, 1331-1339.	1.0	14
7	Microstructure and thermoelectric performance evaluation of p-type (Bi, Sb) <sub>2</sub> Te <sub>3</sub> materials synthesized using mechanical alloying and spark plasma sintering process. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 9858-9871.	1.1	8
8	Comparison of thermoelectric properties of Bi <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> Se <sub>0.3</sub> Te <sub>2.7</sub> thin film materials synthesized by hydrothermal process and thermal evaporation. <i>Ceramics International</i> , 2021, 47, 11547-11559.	2.3	20
9	Architectural design of MWCNT reinforced AlSi10Mg matrix composites with comprehensive mechanical properties. <i>Composites Communications</i> , 2021, 25, 100716.	3.3	10
10	Hot Corrosion Behavior of Micro- and Nanostructured Thermal Barrier Coatings: Conventional Bilayer and Compositionally Graded Layer YSZ. <i>Oxidation of Metals</i> , 2021, 96, 469-486.	1.0	4
11	New insights into microstructural changes during transient liquid phase bonding of GTD-111 superalloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 2703-2715.	1.7	2
12	The enhanced mechanical properties and strain-hardening capability of CNT/Al composites achieved by heterogeneous micro-laminated architecture. <i>Composites Communications</i> , 2021, 27, 100861.	3.3	7
13	Strengthening of aluminium alloy 7005 through imposition of severe plastic deformation supplemented by different ageing treatments. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 2909-2921.	1.7	14
14	Ni-Cr matrix composites reinforced with nano- and micron-sized surface-modified zirconia: Synthesis, microstructure and mechanical properties. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152755.	2.8	20
15	Photocatalytic and Antibacterial Activity of Silver/Titanium Dioxide/Zinc Oxide Nanoparticles Coated on Cotton Fabrics. <i>ChemistrySelect</i> , 2020, 5, 8370-8378.	0.7	14
16	Synergistic effect of hybrid size ZrO <sub>2</sub> and electroless nickel decoration on the mechanical and high temperature oxidation properties of NiCr-ZrO <sub>2</sub> composites. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156596.	2.8	4
17	Multipass Friction Stir Processing of Steel/SiC Nanocomposite: Assessment of Microstructure and Tribological Properties. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4241-4250.	1.2	5
18	Creep properties of Ni-based superalloy GTD-111 joints produced by transient liquid phase method using BNi-3 filler. <i>Journal of Manufacturing Processes</i> , 2020, 58, 1103-1114.	2.8	10

#	ARTICLE	IF	CITATIONS
19	A Comparative Study on the Thermoelectric Properties of Bismuth Chalcogenide Alloys Synthesized through Mechanochemical Alloying and Microwave-Assisted Solution Synthesis Routes. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	17
20	Comparison of characteristics of Bi <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> thermoelectric materials synthesized by hydrothermal process. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 18988-18995.	1.1	14
21	Pre- and post-TLP bond solution treatments: Effects on the microstructure and mechanical properties of GTD-111 superalloy. <i>Journal of Manufacturing Processes</i> , 2020, 57, 36-47.	2.8	5
22	On the formation and properties of chromium carbide and vanadium carbide coatings produced on W1 tool steel through thermal reactive diffusion (TRD). <i>Ceramics International</i> , 2020, 46, 25320-25329.	2.3	17
23	A proposed model for spark plasma sintering of SiC-Si nanocomposite with different SiC particle sizes. <i>Journal of Composite Materials</i> , 2020, 54, 2599-2609.	1.2	3
24	On the role of structural variables in magnetic properties of Co(1-x)Ni <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoferrites. <i>Ceramics International</i> , 2019, 45, 20921-20928.	2.3	2
25	Air exposure oxidation and photooxidation of solution-phase treated PbS quantum dot thin films and solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 203, 110163.	3.0	11
26	A novel approach to the uniformly distributed carbon nanotubes with intact structure in aluminum matrix composite. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 540-548.	9.9	22
27	Oxidation behavior of a nanostructured compositionally graded layer (CGL) thermal barrier coating (TBC) deposited on IN-738LC. <i>Surface and Coatings Technology</i> , 2019, 374, 374-382.	2.2	13
28	Modeling and Optimization of Creep Behavior of Ni-Based Superalloys GTD-111 and IN-738LC Using Central Composite Design. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2019, 141, .	0.8	1
29	Predicting the relative density and hardness of 3YPSZ/316L composites using adaptive neuro-fuzzy inference system and support vector regression models. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 145, 472-479.	2.5	21
30	Characteristics evaluation of SiC/Si nanocomposites produced by spark plasma sintering. <i>Materials Science and Technology</i> , 2019, 35, 1204-1211.	0.8	2
31	The effects of fillers on properties of automotive nanocomposite clear coats: Type, content and surface functionalization. <i>Progress in Organic Coatings</i> , 2019, 134, 33-39.	1.9	5
32	Thermal Cyclic Fatigue Behavior of Nanostructured YSZ/NiCrAlY Compositionally Graded Thermal Barrier Coatings. <i>Oxidation of Metals</i> , 2019, 92, 89-107.	1.0	9
33	Surface-Modified-CNTs/Al Matrix Nanocomposites Produced via Spark Plasma Sintering: Microstructures, Properties, and Formation Mechanism. , 2019, , 119-159.		4
34	The effect of interlayer thickness, bonding temperature and atmosphere on transient liquid phase bonding of GTD-111 to FSX-414. <i>Journal of Materials Processing Technology</i> , 2018, 255, 673-678.	3.1	16
35	The role of TLP process variables in improvement of microstructure and mechanical properties in TLP joints of GTD-111/Ni-Cr-Fe-B-Si/GTD-111 system. <i>Journal of Manufacturing Processes</i> , 2018, 32, 644-655.	2.8	32
36	TiC-modified carbon nanotubes, TiC nanotubes and TiC nanorods: Synthesis and characterization. <i>Ceramics International</i> , 2018, 44, 7949-7954.	2.3	35

#	ARTICLE	IF	CITATIONS
37	The effect of TiC:CNT mixing ratio and CNT content on the mechanical and tribological behaviors of TiC modified CNT-reinforced Al-matrix nanocomposites. Powder Technology, 2018, 331, 107-120.	2.1	31
38	Manufacturing of Al <sup>2</sup> /Al <sub>2</sub> O <sub>3</sub> /Mg multilayered nanocomposites by accumulative roll bonding process and study of its microstructure, tensile, and bending properties. Journal of Composite Materials, 2018, 52, 147-157.	1.2	11
39	Effect of metal coating of reinforcements on the microstructure and mechanical properties of Al <sub>2</sub> O <sub>3</sub> nanocomposites. Materials Science and Technology, 2018, 34, 145-152.	0.8	21
40	Fabrication and Morphological Characterization of Polyurethane Foam Reinforced with TiO <sub>2</sub> Nanoparticles. Journal of Macromolecular Science - Physics, 2018, 57, 8-20.	0.4	4
41	Magnetic properties of crystalline nickel and low phosphorus amorphous Ni <sub>1-x</sub> P <sub>x</sub> nanoparticles. Materials Chemistry and Physics, 2018, 204, 403-409.	2.0	10
42	Effect of bonding time and homogenization heat treatment on the microstructure and mechanical properties of the transient liquid phase bonded dissimilar GTD-111/FSX-414 TLP superalloys. Journal of Alloys and Compounds, 2018, 731, 929-935.	2.8	36
43	Exploring the reinforcing effect of TiC and CNT in dual-reinforced Al-matrix composites. Diamond and Related Materials, 2018, 89, 180-189.	1.8	25
44	Mechanical Properties and Interface Evaluation of Al/AZ31 Multilayer Composites Produced by ARB at Different Rolling Temperatures. Journal of Materials Engineering and Performance, 2018, 27, 3508-3520.	1.2	24
45	Surface chemistry of as-synthesized and air-oxidized PbS quantum dots. Applied Surface Science, 2018, 457, 1-10.	3.1	80
46	In-situ fabrication of Al(Zn)/Al <sub>2</sub> O <sub>3</sub> graded composite using the aluminothermic reaction during hot pressing. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 832-839.	2.4	2
47	Halide-, Hybrid-, and Perovskite-Functionalized Light Absorbing Quantum Materials of $\text{CH}_3\text{NH}_3\text{PbBr}_3$ Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 30283-30295.	4.0	6
48	Solution phase surface functionalization of PbS nanoparticles with organic ligands for single-step deposition of p-type layer of quantum dot solar cells. Applied Surface Science, 2018, 459, 562-571.	3.1	18
49	Optimum selection of A356/Al <sub>2</sub> O <sub>3</sub> nano/microcomposites fabricated with different conditions based on mathematical method. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2017, 231, 373-381.	0.7	5
50	Formation mechanism of nano titanium carbide on multi-walled carbon nanotube and influence of the nanocarbidies on the load-bearing contribution of the nanotubes inner-walls in aluminum-matrix composites. Carbon, 2017, 115, 720-729.	5.4	78
51	Mechanical and microstructure properties of deformed Al <sub>2</sub> O <sub>3</sub> nanocomposite at elevated temperature. Journal of Materials Research, 2017, 32, 1118-1128.	1.2	8
52	Fractography of 3YPSZ/316L functionally graded composite subjected to indentation and flexural bending tests. Ceramics International, 2017, 43, 11281-11288.	2.3	7
53	Microstructure and mechanical properties of Ti-6Al-4V welds using $\text{Ti-6Al-4V}$ , near- $\text{Ti-6Al-4V}$ and $\text{Ti-6Al-4V}$ filler alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 702, 272-278.	2.6	15
54	Processing map and microstructure evaluation of AA6061/Al <sub>2</sub> O <sub>3</sub> nanocomposite at different temperatures. Transactions of Nonferrous Metals Society of China, 2017, 27, 1248-1256.	1.7	16

#	ARTICLE	IF	CITATIONS
55	Synthesis of TiC coating on Ti substrate using pulsed laser deposition and mechanical milling techniques along with statistical modeling of the process by response surface methodology. Powder Technology, 2017, 305, 704-713.	2.1	5
56	Analytical and experimental investigation of the effect of SPS and hot rolling on the microstructure and flexural behavior of Ti6Al4V matrix reinforced with in-situ TiB and TiC. Journal of Alloys and Compounds, 2017, 692, 734-744.	2.8	25
57	Effects of SiC Nanoparticles on the Properties of Titanium-Matrix Foams Processed by Powder Metallurgy. Metals, 2017, 7, 296.	1.0	6
58	Microstructure, mechanical analysis and optimal selection of 7075 aluminum alloy based composite reinforced with alumina nanoparticles. Materials Chemistry and Physics, 2016, 178, 119-127.	2.0	88
59	Physical and mechanical properties of porous copper nanocomposite produced by powder metallurgy. Advanced Powder Technology, 2016, 27, 105-111.	2.0	21
60	Pulsed current field assisted surface modification of carbon nanotubes with nanocrystalline titanium carbide. Carbon, 2016, 101, 261-271.	5.4	40
61	A novel method for enhancing interface strength of TiC coated layer/Ti substrate. Advanced Powder Technology, 2016, 27, 354-359.	2.0	7
62	Hot Deformation Processing Map and Microstructural Evaluation of the Ni-Based Superalloy IN-738LC. Journal of Materials Engineering and Performance, 2016, 25, 1269-1275.	1.2	27
63	On the fabrication of functional graded 3Y-PSZ/316L materials by SPS: Process optimization and characterization of the obtained products. Ceramics International, 2016, 42, 8351-8359.	2.3	18
64	A Study on the Effect of Nano Alumina Particles on Fracture Behavior of PMMA. Technologies, 2015, 3, 94-102.	3.0	15
65	Beeswax-Colophony Blend: A Novel Green Organic Coating for Protection of Steel Drinking Water Storage Tanks. Metals, 2015, 5, 1645-1664.	1.0	8
66	A Numerical Approach to the Prediction of Hardness at Different Points of a Heat-Treated Steel. Journal of Materials Engineering and Performance, 2015, 24, 1516-1521.	1.2	6
67	Microstructural aspects of in-situ TiB reinforced Ti6Al4V composite processed by spark plasma sintering. Transactions of Nonferrous Metals Society of China, 2015, 25, 1460-1467.	1.7	20
68	Influence of spark plasma sintering and subsequent hot rolling on microstructure and flexural behavior of in-situ TiB and TiC reinforced Ti6Al4V composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 624, 271-278.	2.6	61
69	The effect of Al <sub>2</sub> O <sub>3</sub> -nanoparticles as the reinforcement additive on the hot deformation behavior of 7075 aluminum alloy. Materials and Design, 2015, 88, 1049-1056.	3.3	25
70	Damage mechanisms in aluminum-matrix composites reinforced with nano-alumina particles. International Journal of Materials Research, 2015, 106, 1107-1110.	0.1	2
71	FE modeling of the compressive behavior of porous copper-matrix nanocomposites. Materials and Design, 2015, 86, 178-183.	3.3	9
72	Creep Characterization of Ni-Based Superalloy IN-792 Using the 4- and 6- $\dot{\epsilon}$ Projection Method. Journal of Engineering Materials and Technology, Transactions of the ASME, 2014, 136, .	0.8	4

#	ARTICLE	IF	CITATIONS
73	Effect of nanodiamond surface functionalization using oleylamine on the scratch behavior of polyacrylic/nanodiamond nanocomposite. <i>Diamond and Related Materials</i> , 2014, 45, 7-11.	1.8	35
74	Synthesis and characterization of permalloy-reinforced Al <sub>2</sub> O <sub>3</sub> nanocomposite powders by mechanical alloying. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 1653-1659.	1.5	2
75	Microstructural analysis and mechanical characterization of aluminum matrix nanocomposites reinforced with uncoated and Cu-coated alumina particles. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 607, 81-88.	2.6	25
76	Investigation of work softening mechanisms and texture in a hot deformed 6061 aluminum alloy at high temperature. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 606, 240-247.	2.6	40
77	An investigation of the tensile and compressive properties of Al6061 and its nanocomposites in as-cast state and in extruded condition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 607, 589-595.	2.6	21
78	Investigation of microstructure and mechanical properties of Al6061-nanocomposite fabricated by stir casting. <i>Materials &amp; Design</i> , 2014, 55, 921-928.	5.1	230
79	Microstructure and mechanical properties of extruded Al/Al <sub>2</sub> O <sub>3</sub> composites fabricated by stir-casting process. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 1262-1268.	1.7	90
80	A comparative study on the effect of type of reinforcement on the scratch behavior of a polyacrylic-based nanocomposite coating. <i>Journal of Coatings Technology Research</i> , 2013, 10, 255-261.	1.2	14
81	Effect of heat treatment of nanodiamonds on the scratch behavior of polyacrylic/nanodiamond nanocomposite clear coats. <i>Progress in Organic Coatings</i> , 2013, 76, 1258-1264.	1.9	17
82	Improvement of Quench Factor Analysis in Phase and Hardness Prediction of a Quenched Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 2053-2059.	1.1	12
83	Microstructure and mechanical properties evolution of 6061 aluminum alloy formed by forward thixoextrusion process. <i>Materials &amp; Design</i> , 2013, 49, 784-790.	5.1	27
84	Morphology evolution of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> precipitates in GTD-111 Ni-based superalloy with heat treatment parameters. <i>International Journal of Materials Research</i> , 2013, 104, 275-280.	0.1	8
85	An investigation on the coarsening behavior of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> precipitate in GTD-111 Ni-base superalloy. <i>Phase Transitions</i> , 2012, 85, 1-12.	0.6	14
86	Effect of both nano-size alumina particles and severe deformation on polyethylene crystallinity index. <i>Journal of Thermoplastic Composite Materials</i> , 2012, 25, 479-490.	2.6	8
87	Fabrication of FeNi-Al <sub>2</sub> O <sub>3</sub> nanocomposites and optimization of mechanical properties using Taguchi method. <i>Powder Technology</i> , 2012, 232, 49-57.	2.1	21
88	Modeling the electroless nickel deposition on aluminum nanoparticles. <i>Applied Surface Science</i> , 2012, 258, 7744-7750.	3.1	33
89	Fabrication of A356 composite reinforced with micro and nano Al <sub>2</sub> O <sub>3</sub> particles by a developed compocasting method and study of its properties. <i>Journal of Alloys and Compounds</i> , 2012, 511, 226-231.	2.8	189
90	An optimization analysis on electroless deposition of Al <sub>2</sub> O <sub>3</sub> /Cu core-shell nanostructures. <i>Applied Surface Science</i> , 2012, 261, 166-173.	3.1	24

#	ARTICLE	IF	CITATIONS
91	Comparison of microstructure and mechanical properties of A356 aluminum alloy/Al <sub>2</sub> O <sub>3</sub> composites fabricated by stir and compo-casting processes. <i>Materials &amp; Design</i> , 2012, 34, 106-111.	5.1	505
92	Hot deformation and processing maps of K310 cold work tool steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 550, 152-159.	2.6	23
93	Effect of Copper Content on Compressive Strength and Microstructure of Dental Amalgams. <i>Engineering</i> , 2012, 04, 155-159.	0.4	6
94	Influence of nanosized Al <sub>2</sub> O <sub>3</sub> weight percentage on microstructure and mechanical properties of Al matrix nanocomposite. <i>Powder Metallurgy</i> , 2011, 54, 148-152.	0.9	18
95	Effect of Mechanical Milling on the Thermal Behavior of Polyethylene Reinforced with Nano-sized Alumina. <i>International Polymer Processing</i> , 2011, 26, 354-360.	0.3	6
96	A Study on Mechanical Properties of PMMA/Hydroxyapatite Nanocomposite. <i>Engineering</i> , 2011, 03, 795-801.	0.4	76
97	Microstructure and mechanical properties of Al-Al <sub>2</sub> O <sub>3</sub> micro and nano composites fabricated by stir casting. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 8765-8771.	2.6	383
98	Mechanochemical Synthesis and Characterization of FeNi-Al <sub>2</sub> O <sub>3</sub> Nanocomposites. <i>Advanced Materials Research</i> , 2011, 413, 109-116.	0.3	1
99	Investigation and Optimization of Sn/Gr Lubricants Effects on Cold Extrudability of Fe-TiC Nanocomposite Using Taguchi Robust Design Method. <i>Engineering</i> , 2011, 03, 700-707.	0.4	1
100	Evaluation of Characteristics of Interfacial Phases Produced in Al/Ni <sub>3</sub> Al Composite during Manufacturing. <i>Materials Sciences and Applications</i> , 2011, 02, 1340-1348.	0.3	1
101	Evolution of manufacturing parameters in Al/Ni <sub>3</sub> Al composite powder formation using blending and mechanical milling processes. <i>Journal of Materials Science</i> , 2010, 45, 4524-4531.	1.7	3
102	Influence of hot deformation strain rate on the mechanical properties and microstructure of K310 cold work tool steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 1299-1305.	2.6	12
103	Role of Surface Active Agent on Dimensional Stability of HDPE/CaCO <sub>3</sub> Nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2010, 23, 583-596.	2.6	8
104	An investigation on the variations occurring during Ni <sub>3</sub> Al powder formation by mechanical alloying technique. <i>Journal of Alloys and Compounds</i> , 2010, 497, 171-175.	2.8	13
105	The effect of nano-sized calcium carbonate on thermodynamic parameters of HDPE. <i>Journal of Materials Processing Technology</i> , 2009, 209, 1310-1317.	3.1	80
106	A study on the effect of synthesis parameters on the size of nickel particles in sol-gel derived Ni-SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 51, 92-101.	1.1	2
107	Fabrication of NiO/SiO <sub>2</sub> nanocomposites using sol-gel method and optimization of gelation time using Taguchi robust design method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 336, 69-74.	2.3	14
108	The effects of volume percent and aspect ratio of carbon fiber on fracture toughness of reinforced aluminum matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 486, 413-420.	2.6	80

#	ARTICLE	IF	CITATIONS
109	On the strain rate sensitivity of HDPE/CaCO <sub>3</sub> nanocomposites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 475, 365-367.	2.6	40
110	Prediction of hardness at different points of Jominy specimen using quench factor analysis method. <i>Journal of Materials Processing Technology</i> , 2008, 199, 124-129.	3.1	36
111	Effect of pre-strain on microstructure of Ni-Ti orthodontic archwires. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 473, 42-48.	2.6	10
112	Effects of cooling rate on the microstructure and mechanical properties of the Ni-base superalloy UDIMET 500. <i>Journal of Alloys and Compounds</i> , 2008, 455, 215-220.	2.8	54
113	Investigation of the dependences of the mechanical characteristics of an alloyed steel on both the strain rate and the microstructure. <i>Journal of Strain Analysis for Engineering Design</i> , 2007, 42, 105-113.	1.0	3
114	Effect of both uncoated and coated calcium carbonate on fracture toughness of HDPE/CaCO <sub>3</sub> nanocomposites. <i>Journal of Applied Polymer Science</i> , 2007, 104, 3688-3694.	1.3	76
115	Dependency of physical and mechanical properties of mechanical alloyed Al-Al <sub>2</sub> O <sub>3</sub> composite on milling time. <i>Materials &amp; Design</i> , 2007, 28, 2113-2120.	5.1	98
116	Isothermal transformation of austenite to bainite in high carbon steels. <i>Journal of Materials Processing Technology</i> , 2007, 189, 107-113.	3.1	43
117	On the sensitivity of dimensional stability of high density polyethylene on heating rate. <i>EXPRESS Polymer Letters</i> , 2007, 1, 92-97.	1.1	8
118	Microstructure evolution of high-performance Ni-base superalloy GTD-111 with heat treatment parameters. <i>Journal of Materials Processing Technology</i> , 2006, 175, 376-381.	3.1	98
119	Modification of fracture toughness of isotactic polypropylene with a combination of EPR and CaCO <sub>3</sub> particles. <i>Journal of Materials Processing Technology</i> , 2006, 175, 446-451.	3.1	45
120	Microstructure evaluation of Al-Al <sub>2</sub> O <sub>3</sub> composite produced by mechanical alloying method. <i>Materials &amp; Design</i> , 2006, 27, 684-688.	5.1	108
121	Tensile deformation mechanisms at different temperatures in the Ni-base superalloy GTD-111. <i>Journal of Materials Processing Technology</i> , 2004, 155-156, 1900-1904.	3.1	72
122	Influence of filler particles on deformation and fracture mechanism of isotactic polypropylene. <i>Journal of Materials Processing Technology</i> , 2004, 155-156, 1459-1464.	3.1	56
123	Dislocation network formation during creep in Ni-base superalloy GTD-111. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 339, 103-108.	2.6	43
124	Study of microstructure and mechanical properties of high performance Ni-base superalloy GTD-111. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 325, 484-489.	2.6	98
125	A high temperature deformation mechanism map for the high performance Ni-base superalloy GTD-111. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 307, 158-164.	2.6	91