

Wei Sha

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183
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5,972
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187
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6,652
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
183	Electroless nickel, alloy, composite and nano coatings [A critical review. <i>Journal of Alloys and Compounds</i> , 2013 , 571, 183-204	5.7	544
182	Enhancing the microstructure and properties of titanium alloys through nitriding and other surface engineering methods. <i>Surface and Coatings Technology</i> , 2005 , 200, 2192-2207	4.4	370
181	Crystallisation kinetics and phase transformation behaviour of electroless nickel-phosphorus deposits with high phosphorus content. <i>Journal of Alloys and Compounds</i> , 2002 , 334, 192-199	5.7	181
180	Differential scanning calorimetry study of ordinary Portland cement. <i>Cement and Concrete Research</i> , 1999 , 29, 1487-1489	10.3	171
179	The use of artificial neural networks in materials science based research. <i>Materials & Design</i> , 2007 , 28, 1747-1752		170
178	Modelling the correlation between processing parameters and properties in titanium alloys using artificial neural network. <i>Computational Materials Science</i> , 2001 , 21, 375-394	3.2	156
177	Differential scanning calorimetry study and computer modeling of β - β' phase transformation in a Ti-6Al-4V alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001 , 32, 879-887	2.3	124
176	Synchrotron X-ray diffraction study of the phase transformations in titanium alloys. <i>Materials Characterization</i> , 2002 , 48, 279-295	3.9	120
175	Microstructural evolution in a PH13-8 stainless steel after ageing. <i>Acta Materialia</i> , 2003 , 51, 101-116	8.4	117
174	Resistivity study and computer modelling of the isothermal transformation kinetics of Ti-6Al-4V and Ti-6Al-2Sn-2Zr-0.08Si alloys. <i>Journal of Alloys and Compounds</i> , 2001 , 314, 181-192	5.7	117
173	Phase chemistry and precipitation reactions in maraging steels: Part I. Introduction and study of Co-containing C-300 steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1993 , 24, 1221-1232	2.3	107
172	Application of artificial neural networks for modelling correlations in titanium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 365, 202-211	5.3	106
171	Modelling the correlation between processing parameters and properties of maraging steels using artificial neural network. <i>Computational Materials Science</i> , 2004 , 29, 12-28	3.2	105
170	Fabrication of TiAl coatings by mechanical alloying method. <i>Surface and Coatings Technology</i> , 2006 , 201, 3235-3245	4.4	102
169	Finite element modeling of the morphology of β - β' phase transformation in Ti-6Al-4V alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002 , 33, 1027-1040	2.3	102
168	Hardness evolution of electroless nickel-phosphorus deposits with thermal processing. <i>Surface and Coatings Technology</i> , 2003 , 168, 263-274	4.4	102
167	Effect of slag content and activator dosage on the resistance of fly ash geopolymer binders to sulfuric acid attack. <i>Cement and Concrete Research</i> , 2018 , 111, 23-40	10.3	94

166	Crystallisation and phase transformation behaviour of electroless nickel phosphorus platings during continuous heating. <i>Journal of Alloys and Compounds</i> , 2003 , 358, 112-119	5.7	92
165	Phase chemistry and precipitation reactions in maraging steels: Part IV. Discussion and conclusions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1993 , 24, 1251-1256	2.3	85
164	Crystallization and phase transformation behaviour of electroless nickel-phosphorus deposits with low and medium phosphorus contents under continuous heating. <i>Journal of Materials Science</i> , 2002 , 37, 4445-4450	4.3	83
163	Titanium alloys after surface gas nitriding. <i>Surface and Coatings Technology</i> , 2006 , 201, 2467-2474	4.4	80
162	Quantification of Precipitation Hardening and Evolution of Precipitates. <i>Materials Transactions</i> , 2002 , 43, 1273-1282	1.3	79
161	Differential scanning calorimetry study of ordinary Portland cement paste containing metakaolin and theoretical approach of metakaolin activity. <i>Cement and Concrete Composites</i> , 2001 , 23, 455-461	8.6	77
160	Modelling beta transus temperature of titanium alloys using artificial neural network. <i>Computational Materials Science</i> , 2005 , 32, 1-12	3.2	76
159	Quantification of phase transformation kinetics of 18 wt.% Ni C250 maraging steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 373, 10-20	5.3	73
158	Application of artificial neural network for prediction of time-temperature-transformation diagrams in titanium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 283, 1-10	5.3	73
157	Guidelines for mix proportioning of fly ash/GGBS based alkali activated concretes. <i>Construction and Building Materials</i> , 2017 , 147, 130-142	6.7	70
156	Crystallisation and Phase Transformation Behaviour of Electroless Nickel-Phosphorus Deposits and Their Engineering Properties. <i>Surface Engineering</i> , 2002 , 18, 329-343	2.6	67
155	High-temperature synchrotron X-ray diffraction study of phases in a gamma TiAl alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 371, 103-112	5.3	65
154	Software products for modelling and simulation in materials science. <i>Computational Materials Science</i> , 2003 , 28, 179-198	3.2	60
153	Experimental study and computer modelling of the β -phase transformation in β 1s alloy at isothermal conditions. <i>Journal of Alloys and Compounds</i> , 2003 , 348, 110-118	5.7	60
152	Differential scanning calorimetry study of hydrated ground granulated blast-furnace slag. <i>Cement and Concrete Research</i> , 2001 , 31, 327-329	10.3	56
151	Resistance of geopolymer and Portland cement based systems to silage effluent attack. <i>Cement and Concrete Research</i> , 2017 , 92, 56-65	10.3	53
150	Phase chemistry and precipitation reactions in maraging steels: Part III. Model alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1993 , 24, 1241-1249	2.3	52
149	Effects of slag substitution on physical and mechanical properties of fly ash-based alkali activated binders (AABs). <i>Cement and Concrete Research</i> , 2019 , 122, 118-135	10.3	50

148	Evolution of microstructure and changes of mechanical properties of CLAM steel after long-term aging. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 586, 253-258	5.3	49
147	Phase chemistry and precipitation reactions in maraging steels: Part II. Co-free T-300 steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1993 , 24, 1233-1239	2.3	46
146	Effect of shotpeening on sliding wear and tensile behavior of titanium implant alloys. <i>Materials & Design</i> , 2014 , 56, 480-486		45
145	Microstructure and mechanical properties of a 2000 MPa grade co-free maraging steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2005 , 36, 2273-2287	2.3	45
144	Quantification of age hardening in maraging steels and an Ni-base superalloy. <i>Scripta Materialia</i> , 2000 , 42, 549-553	5.6	39
143	Artificial neural network modelling of crystallization temperatures of the NiB based amorphous alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 365, 212-218	5.3	37
142	Effect of reinforcement and heat treatment on elevated temperature sliding of electroless NiB/SiC composite coatings. <i>Tribology International</i> , 2016 , 97, 265-271	4.9	35
141	Phase composition, microstructure and microhardness of electroless nickel composite coating co-deposited with SiC on cast aluminium LM24 alloy substrate. <i>Surface and Coatings Technology</i> , 2013 , 235, 755-763	4.4	33
140	A comparison of the mechanical properties of fire-resistant and S275 structural steels. <i>Journal of Constructional Steel Research</i> , 1999 , 50, 223-233	3.8	33
139	Hot deformation characteristics of a nitride strengthened martensitic heat resistant steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 590, 199-208	5.3	32
138	Modelling tensile properties of gamma-based titanium aluminides using artificial neural network. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 384, 129-137	5.3	32
137	Microstructural and mechanical properties of nickel-base plasma sprayed coatings on steel and cast iron substrates. <i>Surface and Coatings Technology</i> , 2005 , 197, 177-184	4.4	32
136	Aging behaviour of cobalt free chromium containing maraging steels. <i>Materials Science and Technology</i> , 1992 , 8, 546-554	1.5	32
135	Maraging steels 2009 ,		32
134	FE simulation and experimental tests of high-strength structural bolts under tension. <i>Journal of Constructional Steel Research</i> , 2016 , 126, 174-186	3.8	31
133	Resistivity study and computer modelling of the isothermal transformation kinetics of TiAlMoV alloy. <i>Journal of Alloys and Compounds</i> , 2002 , 333, 122-132	5.7	31
132	Optimal design of long-span steel portal frames using fabricated beams. <i>Journal of Constructional Steel Research</i> , 2015 , 104, 104-114	3.8	30
131	Microstructure and properties of nippon fire-resistant steels. <i>Journal of Materials Engineering and Performance</i> , 1999 , 8, 606-612	1.6	29

130	Phase evolution of Ti ₃ Al ₂ V during continuous heating. <i>Journal of Alloys and Compounds</i> , 1999 , 290, L3-L7	5.7	29
129	Micro-scale wear characteristics of electroless Ni ₃ P/SiC composite coating under two different sliding conditions. <i>Wear</i> , 2014 , 317, 254-264	3.5	28
128	A comprehensive model of ordered porosity formation. <i>Acta Materialia</i> , 2007 , 55, 6459-6471	8.4	28
127	Gasars: a class of metallic materials with ordered porosity. <i>Materials Science and Technology</i> , 2006 , 22, 1135-1147	1.5	26
126	Analysis of deformation behavior and workability of advanced 9CrNi ₂ V ferritic heat resistant steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 604, 207-214	5.3	24
125	Study on Laves phase in an advanced heat-resistant steel. <i>Frontiers of Materials Science in China</i> , 2009 , 3, 434-441		24
124	Design optimization of cold-formed steel portal frames taking into account the effect of building topology. <i>Engineering Optimization</i> , 2013 , 45, 415-433	2	23
123	Low cycle fatigue properties of CLAM steel at 823 K. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 613, 404-413	5.3	23
122	Surface gas nitriding of Ti-6Al-4V and Ti-6Al-2Sn-4Zr-2Mo-0.08Si alloys. <i>International Journal of Materials Research</i> , 2003 , 94, 19-24		23
121	Modelling of precipitation kinetics and age hardening of Fe ₃ Ni ₃ Mn maraging type alloy. <i>Materials Science and Technology</i> , 2002 , 18, 377-382	1.5	23
120	Experimental study of the voids in the electroless copper deposits and the direct measurement of the void fraction based on the scanning electron microscopy images. <i>Applied Surface Science</i> , 2009 , 255, 4259-4266	6.7	21
119	Effects of particle/matrix interface and strengthening mechanisms on the mechanical properties of metal matrix composites. <i>Composite Interfaces</i> , 2014 , 21, 415-429	2.3	20
118	Age hardening and mechanical properties of a 2400 MPa grade cobalt-free maraging steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2006 , 37, 1107-1116	2.3	20
117	Experimental and modelling studies of the thermodynamics and kinetics of phase and structural transformations in a gamma TiAl-based alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 386, 344-353	5.3	20
116	The Role of Water Content and Paste Proportion on Physico-mechanical Properties of Alkali Activated Fly Ash _g Concrete. <i>Journal of Sustainable Metallurgy</i> , 2016 , 2, 51-61	2.7	19
115	Relationship between Laves phase and the impact brittleness of P92 steel reevaluated. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 639, 252-258	5.3	19
114	Effect of serviceability limits on optimal design of steel portal frames. <i>Journal of Constructional Steel Research</i> , 2013 , 86, 74-84	3.8	19
113	X-ray diffraction, optical microscopy, and microhardness studies of gas nitrided titanium alloys and titanium aluminide. <i>Materials Characterization</i> , 2008 , 59, 229-240	3.9	19

112	Gas nitriding of titanium alloy Timetal 205. <i>Surface and Coatings Technology</i> , 2008 , 202, 5832-5837	4.4	19
111	Simulation of microhardness profiles of titanium alloys after surface nitriding using artificial neural network. <i>Surface and Coatings Technology</i> , 2005 , 200, 2332-2342	4.4	19
110	Quantification of precipitate fraction in AlSiCu alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 392, 449-452	5.3	19
109	Radiological characterisation of alkali-activated construction materials containing red mud, fly ash and ground granulated blast-furnace slag. <i>Science of the Total Environment</i> , 2019 , 659, 1496-1504	10.2	18
108	Optimal design of cold-formed steel portal frames for stressed-skin action using genetic algorithm. <i>Engineering Structures</i> , 2015 , 93, 36-49	4.7	18
107	Laves-phase in the China Low Activation Martensitic steel after long-term creep exposure. <i>Materials & Design</i> , 2014 , 63, 333-335		18
106	Microstructure and mechanical properties of low nickel maraging steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 536, 129-135	5.3	18
105	Comment on Modeling of tribological properties of alumina fiber reinforced zinc/aluminum composites using artificial neural network by K. Genel et al. [Mater. Sci. Eng. A 363 (2003) 203]. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 372, 334-335	5.3	18
104	Microstructure and mechanical properties of a 2000 MPa Co-free maraging steel after aging at 753 K. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004 , 35, 2747-2753	2.3	18
103	Low cycle fatigue properties of CLAM steel at room temperature. <i>Fusion Engineering and Design</i> , 2013 , 88, 3050-3059	1.7	17
102	Deformation of titanium alloy Ti-6Al-4V under dynamic compression. <i>Computational Materials Science</i> , 2010 , 50, 516-526	3.2	17
101	Delamination Fracture Related to Tempering in a High-Strength Low-Alloy Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 159-171	2.3	17
100	Relation Between the Microstructure and Properties of Commercial Titanium Alloys and the Parameters of Gas Nitriding. <i>Metal Science and Heat Treatment</i> , 2004 , 46, 286-293	0.6	17
99	Topographical optimisation of single-storey non-domestic steel framed buildings using photovoltaic panels for net-zero carbon impact. <i>Building and Environment</i> , 2015 , 86, 120-131	6.5	16
98	Radiological evaluation of by-products used in construction and alternative applications; Part I. Preparation of a natural radioactivity database. <i>Construction and Building Materials</i> , 2017 , 150, 227-237	6.7	16
97	Scanning electron microscopy study of microstructural evolution of electroless nickel-phosphorus deposits with heat treatment. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 168, 95-99	3.1	16
96	Abrasive wear resistance of electroless Ni-P coated aluminium after post treatment. <i>Surface and Coatings Technology</i> , 2010 , 205, 766-772	4.4	16
95	Computer modelling of the non-isothermal crystallization kinetics of electroless nickel-phosphorus deposits. <i>Journal of Non-Crystalline Solids</i> , 2003 , 324, 230-241	3.9	16

94	Numerical study of the effects of reinforcement/matrix interphase on stress-strain behavior of YAl ₂ particle reinforced MgLiAl composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 363-369	8.4	15
93	Quantification of precipitate fraction in maraging steels by X-ray diffraction analysis. <i>Materials Science and Technology</i> , 2004 , 20, 126-130	1.5	15
92	In situ high temperature microscopy study of the surface oxidation and phase transformations in titanium alloys. <i>Journal of Microscopy</i> , 2002 , 207, 163-8	1.9	15
91	Microstructure and microhardness of gas nitrided surface layers in Ti-3Al-1Mo-1V and Ti-10V-2Fe-3Al alloys. <i>Surface Engineering</i> , 2005 , 21, 269-278	2.6	15
90	Fire Resistance of Floors Constructed with Fire-Resistant Steels. <i>Journal of Structural Engineering</i> , 1998 , 124, 664-670	3	15
89	Comparison of optimal designs of steel portal frames including topological asymmetry considering rolled, fabricated and tapered sections. <i>Engineering Structures</i> , 2016 , 111, 505-524	4.7	14
88	9-12Cr Heat-Resistant Steels. <i>Engineering Materials</i> , 2015 ,	0.4	14
87	Determination of activation energy of phase transformation and recrystallization using a modified kisinger method. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001 , 32, 2903-2904	2.3	14
86	Quantification of precipitation kinetics and age hardening of Fe-2Ni-8Mn alloy during overaging. <i>Materials Science and Technology</i> , 2002 , 18, 529-533	1.5	14
85	Resistance of fly ash geopolymer binders to organic acids. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020 , 53, 1	3.4	14
84	Comment on the issues of statistical modelling with particular reference to the use of artificial neural networks. <i>Applied Catalysis A: General</i> , 2007 , 324, 87-89	5.1	13
83	Comment on Prediction of the flow stress of 0.4C-0.9Cr-0.5Mn-0.0Ni-0.2Mo steel during hot deformation by R.H. Wu et al. [J. Mater. Process. Technol. 116 (2001) 211]. <i>Journal of Materials Processing Technology</i> , 2006 , 171, 283-284	5.3	13
82	Development of structural steels with re resistant microstructures. <i>Materials Science and Technology</i> , 2002 , 18, 319-325	1.5	13
81	Insight of the interface of electroless Ni-P/SiC composite coating on aluminium alloy, LM24. <i>Materials and Design</i> , 2015 , 85, 248-255	8.1	12
80	Effects of temperature and strain rate on the tensile behaviors of SIMP steel in static lead bismuth eutectic. <i>Journal of Nuclear Materials</i> , 2016 , 473, 189-196	3.3	12
79	Constitutive Modeling, Microstructure Evolution, and Processing Map for a Nitride-Strengthened Heat-Resistant Steel. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 3042-3050	1.6	12
78	Application of simple practical models for early stage ageing precipitation kinetics and hardening in aluminium alloys. <i>Materials & Design</i> , 2007 , 28, 528-533		12
77	Atom probe field-ion microscopy study of ageing behaviour of a Co-free maraging steel. <i>Surface Science</i> , 1991 , 246, 278-284	1.8	12

76	Effect of Carbon Reduction on the Toughness of 9CrWVTaN Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 1921-1933	2.3	11
75	Modeling thermodynamics, kinetics, and phase transformation morphology while heat treating titanium alloys. <i>Jom</i> , 2005 , 57, 42-45	2.1	11
74	Computer modelling of isothermal crystallisation kinetics of electroless and melt quenched amorphous solids using Johnson-Mehl-Avrami theory. <i>Materials Science and Technology</i> , 2005 , 21, 69-75	1.5	11
73	Differential scanning calorimetry study of the hydration products in portland cement pastes with metakaolin replacement 2002 , 881-888		11
72	Microstructure evolution in CLAM steel under low cycle fatigue. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 607, 356-359	5.3	10
71	Studying and modeling surface gas nitriding for titanium alloys. <i>Jom</i> , 2007 , 59, 38-40	2.1	10
70	Microstructure and Mechanical Properties of Ti-6Al-4V Manufactured by Selective Laser Melting after Stress Relieving, Hot Isostatic Pressing Treatment, and Post-Heat Treatment. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 5290-5296	1.6	10
69	Microstructural Evolution and Mechanical Properties of Short-Term Thermally Exposed 9/12Cr Heat-Resistant Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 4113-4122	2.3	9
68	Characterization of aluminized layer formation during annealing of Ti coated with an Al film. <i>Journal of Alloys and Compounds</i> , 2006 , 420, 63-70	5.7	9
67	Corrosion and hydrogen penetration properties of electro- and electroless depositions. <i>Journal of Alloys and Compounds</i> , 1999 , 287, L7-L9	5.7	9
66	Radiological evaluation of industrial residues for construction purposes correlated with their chemical properties. <i>Science of the Total Environment</i> , 2019 , 658, 141-151	10.2	9
65	The impact toughness of a nitride-strengthened martensitic heat resistant steel. <i>Science China Technological Sciences</i> , 2012 , 55, 1858-1862	3.5	8
64	Comment on [Flow forecasting for a Hawaii stream using rating curves and neural networks] by G.B. Sahoo and C. Ray [Journal of Hydrology 317 (2006) 6380]. <i>Journal of Hydrology</i> , 2007 , 340, 119-121	6	8
63	Comment on [Artificial neural network based modeling of heated catalytic converter performance] by M. Ali Akcayol and Can Cinar [Applied Thermal Engineering 25 (2005) 2341]. <i>Applied Thermal Engineering</i> , 2007 , 27, 688-689	5.8	8
62	The diamond pyramid structure in electroless copper deposit, its atomic model and molecular dynamics simulation. <i>Applied Surface Science</i> , 2008 , 255, 2813-2821	6.7	8
61	Modelling of kinetics of nitriding titanium alloys. <i>Surface Engineering</i> , 2006 , 22, 452-454	2.6	8
60	Modelling of structural formation in ordered porosity metal materials. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2006 , 14, 663-675	2	8
59	Oxidation and tensile behavior of ferritic/martensitic steels after exposure to lead-bismuth eutectic. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 670, 97-105	5.3	7

58	Tensile and impact properties of low nickel maraging steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 587, 301-303	5.3	7
57	Microstructure and Mechanical Properties of a Nitride-Strengthened Reduced Activation Ferritic/Martensitic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 5079-5087	2.3	7
56	Discussion of a theoretical study of Gasarite eutectic growth. <i>Scripta Materialia</i> , 2005 , 52, 799-801	5.6	7
55	Crystallization and nematic-isotropic transition activation energies measured using the Kissinger method. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 2535-2537	2.9	7
54	Experimental study of the effects of hydrogen penetration on gamma titanium aluminide and Beta 21S titanium alloys. <i>Journal of Alloys and Compounds</i> , 2002 , 335, L16-L20	5.7	7
53	Optimum design of cold-formed steel portal frame buildings including joint effects and secondary members. <i>International Journal of Steel Structures</i> , 2017 , 17, 427-442	1.3	6
52	Microscopy of heat treated titanium alloy BT16. <i>Materials Science and Technology</i> , 2011 , 27, 1777-1782	1.5	6
51	Relationship between microstructure and deformation behaviour during dynamic compression in Ti-6Al-4V alloy. <i>Materials Science and Technology</i> , 2011 , 27, 1399-1407	1.5	6
50	Thermodynamic calculation for precipitation hardening steels and titanium aluminides. <i>Intermetallics</i> , 2002 , 10, 945-950	3.5	6
49	Resistance of Alkali-Activated Binders to Organic Acids Found in Agri-Food Effluents. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021024	3	6
48	Mechanical and durability properties of alkali-activated fly ash concrete with increasing slag content. <i>Construction and Building Materials</i> , 2021 , 301, 124330	6.7	6
47	Lead-Bismuth Eutectic Corrosion Behaviors of Ferritic/Martensitic Steels in Low Oxygen Concentration Environment. <i>Oxidation of Metals</i> , 2015 , 84, 383-395	1.6	5
46	Modeling the cold deformation of titanium alloys. <i>Jom</i> , 2009 , 61, 51-55	2.1	5
45	Mathematical model for simultaneous growth of gas and solid phases in gas-eutectic reaction. <i>Journal of Materials Science</i> , 2005 , 40, 2525-2529	4.3	5
44	X-ray measurement of surface stress of U-0.75wt.%Ti alloy rods. <i>Journal of the Less Common Metals</i> , 1989 , 146, 179-187		5
43	Precipitation, microstructure and mechanical properties of low nickel maraging steel. <i>Materials Science and Technology</i> , 2011 , 27, 983-989	1.5	4
42	The neural network modeling of titanium alloy phase transformation and mechanical properties. <i>Jom</i> , 2005 , 57, 54-57	2.1	4
41	The use of resistivity data in calculating the kinetics of precipitate evolution in aluminium-copper-magnesium alloys based on Johnson-Mehl-Avrami theory. <i>Physica Status Solidi A</i> , 2005 , 202, 1903-1908		4

40	Test methods for measuring tensile strength and ductility of electroplated and electroless copper deposits. <i>Materials Science and Technology</i> , 2001 , 17, 1033-1038	1.5	4
39	Effect of the interaction layer on the mechanical properties of Ti ₆ Al ₄ V alloy castings. <i>Materials Chemistry and Physics</i> , 2016 , 175, 125-130	4.4	4
38	Effects of particle plasticity characteristics on local interface stress in particle reinforced composite during uniaxial tension. <i>Journal of Materials Science</i> , 2011 , 46, 6140-6147	4.3	3
37	Comments on "Water Quality Retrievals From Combined Landsat TM Data and ERS-2 SAR Data in the Gulf of Finland. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007 , 45, 1896-1897	8.1	3
36	Comment on Artificial neural network modeling of mechanical alloying process for synthesizing of metal matrix nanocomposite powders by Dashtbayazi et al. [Mater. Sci. Eng. A 466 (2007) 274]. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 492, 491-492	5.3	3
35	Characterization of interdiffusion growth of aluminized layer on Ti alloys. <i>Journal of Alloys and Compounds</i> , 2007 , 429, 143-155	5.7	3
34	Modeling the evolution of microstructure during the processing of maraging steels. <i>Jom</i> , 2004 , 56, 62-66.	6.1	3
33	Recrystallization activation energy in mechanically alloyed oxide-dispersion-strengthened metals measured by differential scanning calorimetry. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1999 , 30, 1885-1887	2.3	3
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31	In-situ Cu Coating on Steel Surface after Oxidizing at High Temperature. <i>Materials</i> , 2019 , 12,	3.5	2
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