Wei Sha

List of Publications by Year in Descending Order

183 papers	5,972 citations	39 h-index	71 g-index
187 ext. papers	6,652 ext. citations	4 avg, IF	5.99 L-index

#	Paper	IF	Citations
183	Kinetics of ferrite to Widmanstätten austenite transformation in a high-strength low-alloy steel revisited. *International Journal of Materials Research*, **2022**, 95, 718-723	0.5	
182	Resistance of Alkali-Activated Binders to Organic Acids Found in Agri-Food Effluents. *Journal of Materials in Civil Engineering*, **2021**, 33, 04021024	3	6
181	Microstructure and Mechanical Properties of Ti-6Al-4V Manufactured by Selective Laser Melting after Stress Relieving, Hot Isostatic Pressing Treatment, and Post-Heat Treatment. *Journal of Materials Engineering and Performance*, **2021**, 30, 5290-5296	1.6	10
180	Performance of cementless binders produced from industrial waste products in strong acid. *Cleaner Engineering and Technology*, **2021**, 2, 100035	2.7	1
179	Mechanical and durability properties of alkali-activated fly ash concrete with increasing slag content. *Construction and Building Materials*, **2021**, 301, 124330	6.7	6
178	Resistance of fly ash geopolymer binders to organic acids. *Materials and Structures/Materiaux Et Constructions*, **2020**, 53, 1	3.4	14
177	Radiological characterisation of alkali-activated construction materials containing red mud, fly ash and ground granulated blast-furnace slag. *Science of the Total Environment*, **2019**, 659, 1496-1504	10.2	18
176	Effects of slag substitution on physical and mechanical properties of fly ash-based alkali activated binders (AABs). *Cement and Concrete Research*, **2019**, 122, 118-135	10.3	50
175	In-situ Cu Coating on Steel Surface after Oxidizing at High Temperature. *Materials*, **2019**, 12,	3.5	2
174	Radiological evaluation of industrial residues for construction purposes correlated with their chemical properties. *Science of the Total Environment*, **2019**, 658, 141-151	10.2	9
173	Effect of slag content and activator dosage on the resistance of fly ash geopolymer binders to sulfuric acid attack. *Cement and Concrete Research*, **2018**, 111, 23-40	10.3	94
172	Guidelines for mix proportioning of fly ash/GGBS based alkali activated concretes. *Construction and Building Materials*, **2017**, 147, 130-142	6.7	70
171	Resistance of geopolymer and Portland cement based systems to silage effluent attack. *Cement and Concrete Research*, **2017**, 92, 56-65	10.3	53
170	Optimum design of cold-formed steel portal frame buildings including joint effects and secondary members. *International Journal of Steel Structures*, **2017**, 17, 427-442	1.3	6
169	Radiological evaluation of by-products used in construction and alternative applications; Part I. Preparation of a natural radioactivity database. *Construction and Building Materials*, **2017**, 150, 227-237	6.7	16
168	FE simulation and experimental tests of high-strength structural bolts under tension. *Journal of Constructional Steel Research*, **2016**, 126, 174-186	3.8	31
167	Maraging Steels: Microstructure during Thermal Processing **2016**, 2128-2139		1

166	Comments on High-temperature creep resistance and effects on the austenite reversion and precipitation of 18 Ni (300) maraging steel by dos Reis et al. [Materials Characterization 107 (2015) 350357]. *Materials Characterization*, **2016**, 118, 302-303	3.9	
165	Effects of temperature and strain rate on the tensile behaviors of SIMP steel in static lead bismuth eutectic. *Journal of Nuclear Materials*, **2016**, 473, 189-196	3.3	12
164	Oxidation and tensile behavior of ferritic/martensitic steels after exposure to lead-bismuth eutectic. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 670, 97-105	5.3	7
163	The Role of Water Content and Paste Proportion on Physico-mechanical Properties of Alkali Activated Fly Ash Ggbs Concrete. *Journal of Sustainable Metallurgy*, **2016**, 2, 51-61	2.7	19
162	Comparison of optimal designs of steel portal frames including topological asymmetry considering rolled, fabricated and tapered sections. *Engineering Structures*, **2016**, 111, 505-524	4.7	14
161	Effect of reinforcement and heat treatment on elevated temperature sliding of electroless NiP/SiC composite coatings. *Tribology International*, **2016**, 97, 265-271	4.9	35
160	Effect of the interaction layer on the mechanical properties of TiAlV alloy castings. *Materials Chemistry and Physics*, **2016**, 175, 125-130	4.4	4
159	Insight of the interface of electroless NiP/SiC composite coating on aluminium alloy, LM24. *Materials and Design*, **2015**, 85, 248-255	8.1	12
158	Topographical optimisation of single-storey non-domestic steel framed buildings using photovoltaic panels for net-zero carbon impact. *Building and Environment*, **2015**, 86, 120-131	6.5	16
157	Optimal design of cold-formed steel portal frames for stressed-skin action using genetic algorithm. *Engineering Structures*, **2015**, 93, 36-49	4.7	18
156	LeadBismuth Eutectic Corrosion Behaviors of Ferritic/Martensitic Steels in Low Oxygen Concentration Environment. *Oxidation of Metals*, **2015**, 84, 383-395	1.6	5
155	Optimal design of long-span steel portal frames using fabricated beams. *Journal of Constructional Steel Research*, **2015**, 104, 104-114	3.8	30
154	9-12Cr Heat-Resistant Steels. *Engineering Materials*, **2015**,	0.4	14
153	Introduction to Heat-Resistant Steels. *Engineering Materials*, **2015**, 1-24	0.4	1
152	Relationship between Laves phase and the impact brittleness of P92 steel reevaluated. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 639, 252-258	5.3	19
151	Hot Deformation of Heat-Resistant Steels. *Engineering Materials*, **2015**, 191-215	0.4	
150	Laves-phase in the China Low Activation Martensitic steel after long-term creep exposure. *Materials & Design*, **2014**, 63, 333-335		18
149	Micro-scale wear characteristics of electroless NiP/SiC composite coating under two different sliding conditions. *Wear*, **2014**, 317, 254-264	3.5	28

148	Constitutive Modeling, Microstructure Evolution, and Processing Map for a Nitride-Strengthened Heat-Resistant Steel. *Journal of Materials Engineering and Performance*, **2014**, 23, 3042-3050	1.6	12
147	Microstructure evolution in CLAM steel under low cycle fatigue. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 607, 356-359	5.3	10
146	Effect of shotpeening on sliding wear and tensile behavior of titanium implant alloys. *Materials & Design*, **2014**, 56, 480-486		45
145	Cantilever steel post damaged by wind. *Case Studies in Engineering Failure Analysis*, **2014**, 2, 162-168		1
144	Effects of particle/matrix interface and strengthening mechanisms on the mechanical properties of metal matrix composites. *Composite Interfaces*, **2014**, 21, 415-429	2.3	20
143	Low cycle fatigue properties of CLAM steel at 823 K. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 613, 404-413	5.3	23
142	Hot deformation characteristics of a nitride strengthened martensitic heat resistant steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2014**, 590, 199-208	5.3	32
141	Analysis of deformation behavior and workability of advanced 9Cr□Nb□V ferritic heat resistant steels. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 604, 207-214	5.3	24
140	Design optimization of cold-formed steel portal frames taking into account the effect of building topology. *Engineering Optimization*, **2013**, 45, 415-433	2	23
139	Stress and Strain Distributions During Compressive Deformation of Titanium Alloy Affected by Microstructure. *Jom*, **2013**, 65, 86-92	2.1	
138	Tensile and impact properties of low nickel maraging steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 587, 301-303	5.3	7
137	Low cycle fatigue properties of CLAM steel at room temperature. *Fusion Engineering and Design*, **2013**, 88, 3050-3059	1.7	17
136	Evolution of microstructure and changes of mechanical properties of CLAM steel after long-term aging. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 586, 253-258	5.3	49
135	Phase composition, microstructure and microhardness of electroless nickel composite coating co-deposited with SiC on cast aluminium LM24 alloy substrate. *Surface and Coatings Technology*, **2013**, 235, 755-763	4.4	33
134	Electroless nickel, alloy, composite and nano coatings □A critical review. *Journal of Alloys and Compounds*, **2013**, 571, 183-204	5.7	544
133	Effect of serviceability limits on optimal design of steel portal frames. *Journal of Constructional Steel Research*, **2013**, 86, 74-84	3.8	19
132	Low Nickel Maraging Steel **2013**, 163-187		
131	Concrete Structures **2013**, 191-196		

130	High-Strength Low-Alloy Steel **2013**, 27-58		2
129	Microstructure and mechanical properties of low nickel maraging steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 536, 129-135	5.3	18
128	Microstructural Evolution and Mechanical Properties of Short-Term Thermally Exposed 9/12Cr Heat-Resistant Steels. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2012**, 43, 4113-4122	2.3	9
127	Numerical study of the effects of reinforcement/matrix interphase on stress–strain behavior of YAl2 particle reinforced MgLiAl composites. *Composites Part A: Applied Science and Manufacturing*, **2012**, 43, 363-369	8.4	15
126	Microstructure and Mechanical Properties of a Nitride-Strengthened Reduced Activation Ferritic/Martensitic Steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2012**, 43, 5079-5087	2.3	7
125	The impact toughness of a nitride-strengthened martensitic heat resistant steel. *Science China Technological Sciences*, **2012**, 55, 1858-1862	3.5	8
124	Effect of Carbon Reduction on the Toughness of 9CrWVTaN Steels. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2012**, 43, 1921-1933	2.3	11
123	Effects of particle plasticity characteristics on local interface stress in particle reinforced composite during uniaxial tension. *Journal of Materials Science*, **2011**, 46, 6140-6147	4.3	3
122	Microscopy of heat treated titanium alloy BT16. *Materials Science and Technology*, **2011**, 27, 1777-1782	1.5	6
121	Precipitation, microstructure and mechanical properties of low nickel maraging steel. *Materials Science and Technology*, **2011**, 27, 983-989	1.5	4
120	Relationship between microstructure and deformation behaviour during dynamic compression in Ti–3Al–5Mo–5V alloy. *Materials Science and Technology*, **2011**, 27, 1399-1407	1.5	6
119	Comment on "Hybrid computational strategy based on ANN and GAPS: Application for identification of a non-linear model of composite material". *Composite Structures*, **2011**, 93, 1309-1310	5.3	
118	Comment on "Artificial neural network prediction of retained austenite content and impact toughness of high-vanadium high-speed steel (HVHSS)" by Xu et al. [Mater. Sci. Eng. A 433 (2006) 251]. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 3275-3276	5.3	1
117	Comment on "Modelling of the APS plasma spray process using artificial neural networks: Basis, requirements and an example" by Guessasma et al. [Comput. Mater. Sci. 29 (2004) 315]. *Computational Materials Science*, **2010**, 50, 805-809	3.2	0
116	Deformation of titanium alloy Ti–3Al–2V under dynamic compression. *Computational Materials Science*, **2010**, 50, 516-526	3.2	17
115	Comment on "Hardness based model for determining the kinetics of precipitation" by Mittra et al. [Mater. Sci. Eng. A 500 (2009) 244]. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 2802-2803	5.3	
114	Delamination Fracture Related to Tempering in a High-Strength Low-Alloy Steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2010**, 41, 159-171	2.3	17
113	Scanning electron microscopy study of microstructural evolution of electroless nickel–phosphorus deposits with heat treatment. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2010**, 168, 95-99	3.1	16

112	Abrasive wear resistance of electroless NiP coated aluminium after post treatment. *Surface and Coatings Technology*, **2010**, 205, 766-772	4.4	16
111	Neural network method **2009**, 301-330		1
110	Surface gas nitriding: phase composition and microstructure **2009**, 413-450		1
109	18 Nitriding: modelling of hardness profiles and the kinetics **2009**, 497-531		0
108	Aluminising: fabrication of Al and TiAl coatings by mechanical alloying **2009**, 532-548		
107	Modeling the cold deformation of titanium alloys. *Jom*, **2009**, 61, 51-55	2.1	5
106	Study on Laves phase in an advanced heat-resistant steel. *Frontiers of Materials Science in China*, **2009**, 3, 434-441		24
105	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. *Applied Surface Science*, **2009**, 255, 4259-4266	6.7	21
104	Maraging steels **2009**,		32
103	Application of Neural-Network Models **2009**, 553-565		3
102	X-ray diffraction, optical microscopy, and microhardness studies of gas nitrided titanium alloys and titanium aluminide. *Materials Characterization*, **2008**, 59, 229-240	3.9	19
101	Gas nitriding of titanium alloy Timetal 205. *Surface and Coatings Technology*, **2008**, 202, 5832-5837	4.4	19
100	The diamond pyramid structure in electroless copper deposit, its atomic model and molecular dynamics simulation. *Applied Surface Science*, **2008**, 255, 2813-2821	6.7	8
99	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]. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2008**, 492, 494-498	5.3	3
98	Comments on "Water Quality Retrievals From Combined Landsat TM Data and ERS-2 SAR Data in the Gulf of Finland. *IEEE Transactions on Geoscience and Remote Sensing*, **2007**, 45, 1896-1897	8.1	3
97	Comment on Optimization of the Temperature Profile of a Temperature Gradient Reactor for DME Synthesis Using a Simple Genetic Algorithm Assisted by a Neural Network by Kohji Omata, Toshihiko Ozaki, Tetsuo Umegaki, Yuhsuke Watanabe, Noritoshi Nukui, and Muneyoshi Yamada. *Energy & Fuels*, **2007**, 21, 379-380	4.1	2
96	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) 63–80]. *Journal of Hydrology*, **2007**, 340, 119-121	6	8
95	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]. *Applied Thermal Engineering*, **2007**, 27, 688-689	5.8	8

94	A comprehensive model of ordered porosity formation. *Acta Materialia*, **2007**, 55, 6459-6471	8.4	28
93	Comment on the issues of statistical modelling with particular reference to the use of artificial neural networks. *Applied Catalysis A: General*, **2007**, 324, 87-89	5.1	13
92	The use of artificial neural networks in materials science based research. *Materials & Design*, **2007**, 28, 1747-1752		170
91	Studying and modeling surface gas nitriding for titanium alloys. *Jom*, **2007**, 59, 38-40	2.1	10
90	Application of simple practical models for early stage ageing precipitation kinetics and hardening in aluminium alloys. *Materials & Design*, **2007**, 28, 528-533		12
89	Characterization of interdiffusion growth of aluminized layer on Ti alloys. *Journal of Alloys and Compounds*, **2007**, 429, 143-155	5.7	3
88	Age hardening and mechanical properties of a 2400 MPa grade cobalt-free maraging steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2006**, 37, 1107-1116	2.3	20
87	The evolution of microstructure during the processing of gamma TiAl alloys. *Jom*, **2006**, 58, 64-66	2.1	2
86	Gasars: a class of metallic materials with ordered porosity. *Materials Science and Technology*, **2006**, 22, 1135-1147	1.5	26
85	Modelling of kinetics of nitriding titanium alloys. *Surface Engineering*, **2006**, 22, 452-454	2.6	8
84	Modelling of structural formation in ordered porosity metal materials. *Modelling and Simulation in Materials Science and Engineering*, **2006**, 14, 663-675	2	8
83	Comment on Design of a Propane Ammoxidation Catalyst Using Artificial Neural Networks and Genetic Algorithms *Industrial & Engineering Chemistry Research*, **2006**, 45, 8223-8224	3.9	2
82	Characterization of aluminized layer formation during annealing of Ti coated with an Al film. *Journal of Alloys and Compounds*, **2006**, 420, 63-70	5.7	9
81	Activation energy for precipitation hardening and softening in aluminium alloys calculated using hardness and resistivity data. *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 1927-1933	1.6	1
80	Comment on Prediction of the flow stress of 0.4C1.9Cr1.5Mn1.0Ni0.2Mo steel during hot deformation by R.H. Wu et al. [J. Mater. Process. Technol. 116 (2001) 211]. *Journal of Materials Processing Technology*, **2006**, 171, 283-284	5.3	13
79	Titanium alloys after surface gas nitriding. *Surface and Coatings Technology*, **2006**, 201, 2467-2474	4.4	80
78	Fabrication of TiAl coatings by mechanical alloying method. *Surface and Coatings Technology*, **2006**, 201, 3235-3245	4.4	102
77	Modelling beta transus temperature of titanium alloys using artificial neural network. *Computational Materials Science*, **2005**, 32, 1-12	3.2	76

76	Enhancing the microstructure and properties of titanium alloys through nitriding and other surface engineering methods. *Surface and Coatings Technology*, **2005**, 200, 2192-2207	4.4	370
75	Simulation of microhardness profiles of titanium alloys after surface nitriding using artificial neural network. *Surface and Coatings Technology*, **2005**, 200, 2332-2342	4.4	19
74	Microstructural and mechanical properties of nickel-base plasma sprayed coatings on steel and cast iron substrates. *Surface and Coatings Technology*, **2005**, 197, 177-184	4.4	32
73	Discussion of A theoretical study of Gasarite eutectic growth. *Scripta Materialia*, **2005**, 52, 799-801	5.6	7
72	Quantification of precipitate fraction in Al-Si-Cu alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 392, 449-452	5.3	19
71	The neural network modeling of titanium alloy phase transformation and mechanical properties. *Jom*, **2005**, 57, 54-57	2.1	4
70	Modeling thermodynamics, kinetics, and phase transformation morphology while heat treating titanium alloys. *Jom*, **2005**, 57, 42-45	2.1	11
69	Microstructure and mechanical properties of a 2000 MPa grade co-free maraging steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2005**, 36, 2273-2287	2.3	45
68	Mathematical model for simultaneous growth of gas and solid phases in gas-eutectic reaction. *Journal of Materials Science*, **2005**, 40, 2525-2529	4.3	5
67	The use of resistivity data in calculating the kinetics of precipitate evolution in aluminium-copper-magnesium alloys based on Johnson-Mehl-Avrami theory. *Physica Status Solidi A*, **2005**, 202, 1903-1908		4
66	Microstructure and microhardness of gas nitrided surface layers in Ti-8Al-1Mo-1V and Ti-10V-2Fe-3Al alloys. *Surface Engineering*, **2005**, 21, 269-278	2.6	15
65	Computer modelling of isothermal crystallisation kinetics of electroless and melt quenched amorphous solids using Johnson-Mehl-Avrami theory. *Materials Science and Technology*, **2005**, 21, 69-75	1.5	11
64	Quantification of precipitate fraction in maraging steels by X-ray diffraction analysis. *Materials Science and Technology*, **2004**, 20, 126-130	1.5	15
63	Relation Between the Microstructure and Properties of Commercial Titanium Alloys and the Parameters of Gas Nitriding. *Metal Science and Heat Treatment*, **2004**, 46, 286-293	0.6	17
62	Application of artificial neural networks for modelling correlations in titanium alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 365, 202-211	5.3	106
61	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]. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 372, 334-335	5.3	18
60	Modeling the evolution of microstructure during the processing of maraging steels. *Jom*, **2004**, 56, 62-66	2.1	3
59	Quantification of overaging hardening kinetics of aluminum alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2004**, 35, 2172-2174	2.3	2

58	Microstructure and mechanical properties of a 2000 MPa Co-free maraging steel after aging at 753 K. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2004**, 35, 2747-2755	2.3	18
57	Evaluation of aging precipitation kinetics and potential in aluminum alloys using indiscriminately integrated peak areas in calorimetry curves. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2004**, 35, 3012-3015	2.3	2
56	Quantification of phase transformation kinetics of 18 wt.% Ni C250 maraging steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 373, 10-20	5.3	73
55	Modelling tensile properties of gamma-based titanium aluminides using artificial neural network. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2004**, 384, 129-137	5.3	32
54	Artificial neural network modelling of crystallization temperatures of the NiP based amorphous alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 365, 212-218	5.3	37
53	High-temperature synchrotron X-ray diffraction study of phases in a gamma TiAl alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 371, 103-112	5.3	65
52	Modelling the correlation between processing parameters and properties of maraging steels using artificial neural network. *Computational Materials Science*, **2004**, 29, 12-28	3.2	105
51	Experimental and modelling studies of the thermodynamics and kinetics of phase and structural transformations in a gamma TiAl-based alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 386, 344-353	5.3	20
50	Surface gas nitriding of Ti-6Al-4V and Ti-6Al-2Sn-4Zr-2Mo-0.08Si alloys. *International Journal of Materials Research*, **2003**, 94, 19-24		23
49	Hardness evolution of electroless nickel–phosphorus deposits with thermal processing. *Surface and Coatings Technology*, **2003**, 168, 263-274	4.4	102
48	Materials testing of ruptured lead lined tank and lead pipe. *Engineering Failure Analysis*, **2003**, 10, 683-698	3.2	1
47	Microstructural evolution in a PH13-8 stainless steel after ageing. *Acta Materialia*, **2003**, 51, 101-116	8.4	117
46	Computer modelling of the non-isothermal crystallization kinetics of electroless nickel–phosphorus deposits. *Journal of Non-Crystalline Solids*, **2003**, 324, 230-241	3.9	16
45	Software products for modelling and simulation in materials science. *Computational Materials Science*, **2003**, 28, 179-198	3.2	60
44	Experimental study and computer modelling of the □↔□ phase transformation in □1s alloy at isothermal conditions. *Journal of Alloys and Compounds*, **2003**, 348, 110-118	5.7	60
43	Crystallisation and phase transformation behaviour of electroless nickel phosphorus platings during continuous heating. *Journal of Alloys and Compounds*, **2003**, 358, 112-119	5.7	92
42	Finite element modeling of the morphology of □ to □ phase transformation in Ti-6Al-4V alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2002**, 33, 1027-1040	2.3	102
41	In situ high temperature microscopy study of the surface oxidation and phase transformations in titanium alloys. *Journal of Microscopy*, **2002**, 207, 163-8	1.9	15

40	Modelling of precipitation kinetics and age hardening of Fe□12Ni□Mn maraging type alloy. *Materials Science and Technology*, **2002**, 18, 377-382	1.5	23
39	Crystallization and phase transformation behaviour of electroless nickel-phosphorus deposits with low and medium phosphorus contents under continuous heating. *Journal of Materials Science*, **2002**, 37, 4445-4450	4.3	83
38	Differential scanning calorimetry study of the hydration products in portland cement pastes with metakaolin replacement **2002**, 881-888		11
37	Crystallisation and Phase Transformation Behaviour of Electroless Nickel-Phosphorus Deposits and Their Engineering Properties. *Surface Engineering*, **2002**, 18, 329-343	2.6	67
36	Development of structural steels with re resistant microstructures. *Materials Science and Technology*, **2002**, 18, 319-325	1.5	13
35	Quantification of Precipitation Hardening and Evolution of Precipitates. *Materials Transactions*, **2002**, 43, 1273-1282	1.3	79
34	Modeling the Diffusion-Controlled Growth of Needle andplate-Shapedprecipitates. *Materials Research Society Symposia Proceedings*, **2002**, 731, 751		
33	Quanti cation of precipitation kinetics and age hardening of Fe□2Ni□Mn alloy during overaging. *Materials Science and Technology*, **2002**, 18, 529-533	1.5	14
32	Synchrotron X-ray diffraction study of the phase transformations in titanium alloys. *Materials Characterization*, **2002**, 48, 279-295	3.9	120
31	Thermodynamic calculation for precipitation hardening steels and titanium aluminides. *Intermetallics*, **2002**, 10, 945-950	3.5	6
30	Resistivity study and computer modelling of the isothermal transformation kinetics of Ti□Al□Mo□V alloy. *Journal of Alloys and Compounds*, **2002**, 333, 122-132	5.7	31
29	Crystallisation kinetics and phase transformation behaviour of electroless nickel□phosphorus deposits with high phosphorus content. *Journal of Alloys and Compounds*, **2002**, 334, 192-199	5.7	181
28	Experimental study of the effects of hydrogen penetration on gamma titanium aluminide and Beta 21S titanium alloys. *Journal of Alloys and Compounds*, **2002**, 335, L16-L20	5.7	7
27	Differential scanning calorimetry study and computer modeling of □→□phase transformation in a Ti-6Al-4V alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2001**, 32, 879-887	2.3	124
26	Determination of activation energy of phase transformation and recrystallization using a modified kissinger method. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2001**, 32, 2903-2904	2.3	14
25	Differential scanning calorimetry study of ordinary Portland cement paste containing metakaolin and theoretical approach of metakaolin activity. *Cement and Concrete Composites*, **2001**, 23, 455-461	8.6	77
24	Crystallization and nematic□isotropic transition activation energies measured using the Kissinger method. *Journal of Applied Polymer Science*, **2001**, 80, 2535-2537	2.9	7
23	Differential scanning calorimetry study of hydrated ground granulated blast-furnace slag. *Cement and Concrete Research*, **2001**, 31, 327-329	10.3	56

22	Resistivity study and computer modelling of the isothermal transformation kinetics of Ti–6Al–4V and Ti–6Al–2Sn–4Zr–2Mo–0.08Si alloys. *Journal of Alloys and Compounds*, **2001**, 314, 181-192	5.7	117
21	Modelling the correlation between processing parameters and properties in titanium alloys using artificial neural network. *Computational Materials Science*, **2001**, 21, 375-394	3.2	156
20	Test methods for measuring tensile strength and ductility of electroplated and electroless copper deposits. *Materials Science and Technology*, **2001**, 17, 1033-1038	1.5	4
19	Application of artificial neural network for prediction of time–temperature–transformation diagrams in titanium alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2000**, 283, 1-10	5.3	73
18	Quantification of age hardening in maraging steels and an Ni-base superalloy. *Scripta Materialia*, **2000**, 42, 549-553	5.6	39
17	A comparison of the mechanical properties of fire-resistant and S275 structural steels. *Journal of Constructional Steel Research*, **1999**, 50, 223-233	3.8	33
16	Differential scanning calorimetry study of ordinary Portland cement. *Cement and Concrete Research* , **1999**, 29, 1487-1489	10.3	171
15	Recrystallization activation energy in mechanically alloyed oxide-dispersion-strengthened metals measured by differential scanning calorimetry. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1999**, 30, 1885-1887	2.3	3
14	Microstructure and properties of nippon fire-resistant steels. *Journal of Materials Engineering and Performance*, **1999**, 8, 606-612	1.6	29
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