



Index of Keywords publishing in the Journal of Achievements in Materials and Manufacturing Engineering in 2015 (Vols. 68-73)

Additive technologies	vol. 71/2 (pp.60-69)	Bonding strength	vol. 72/2 (pp.67-74)
AFM	vol. 71/2 (pp.70-76)	Bulk alloy	vol. 73/2 (pp.80-85)
Age hardening	vol. 72/2 (pp.61-66)	Bulk metallic glasses	vol. 70/1 (pp.5-12)
Agent-based approach	vol. 73/2 (pp.222-228)	CAD/CAM	vol. 73/2 (pp.157-164)
Aging	vol. 71/2 (pp.70-76)	Calotest	vol. 68/1 (pp.25-31)
AISI 304	vol. 71/1 (pp.34-38)	CAMD	vol. 71/2 (pp.53-59)
Al coating	vol. 68/1 (pp.25-31)	Carbothermic reaction	vol. 72/2 (pp.75-84)
Alloyed copper	vol. 73/1 (pp.27-35)	Ceramic powders	vol. 73/2 (pp.214-221)
Alternate wire drawing	vol. 70/1 (pp.29-35)	Ceramic proppants	vol. 73/2 (pp.124-127)
Aluminium alloy	vol. 73/1 (pp.36-44)	Ceramic slurries	vol. 73/2 (pp.106-109)
Aluminum oxide	vol. 71/1 (pp.14-21)	Ceramics wood	vol. 72/2 (pp.75-84)
Ammonia	vol. 69/2 (pp.69-78)	Ceramization	vol. 72/2 (pp.75-84)
Amorphous alloy	vol. 73/1 (pp.5-12)	CFD analysis	vol. 73/2 (pp.185-189)
Amorphous materials	vol. 70/1 (pp.5-12)	Chain conveyor	vol. 73/2 (pp.165-175)
Anaerobic adhesive	vol. 72/2 (pp.67-74)	Checkpoint-systems	vol. 69/2 (pp.86-92)
Arbitrary lagrangian-elerian	vol. 72/1 (pp.23-31)	Chemical composition	vol. 73/2 (pp.65-71)
Arrot's plots	vol. 73/2 (pp.80-85)	Cleavage	vol. 73/2 (pp.144-150)
Artificial algorithms	vol. 68/1 (pp.17-24)	Coatings	vol. 70/1 (pp.13-21)
Artificial intelligence methods	vol. 70/2 (pp.86-92)	Composite materials	vol. 71/2 (pp.77-86)
ASTM E1820	vol. 72/1 (pp.32-38)		vol. 72/1 (pp.14-22)
Atomic layer deposition	vol. 69/2 (pp.64-68)	Composites	vol. 68/2 (pp.53-58)
Austenite conditioning	vol. 73/2 (pp.86-91)		vol. 69/1 (pp.26-32)
Austenite stability	vol. 68/2 (pp.59-64)		vol. 70/1 (pp.13-21)
Austenitic stainless steel	vol. 68/2 (pp.59-64)		vol. 70/2 (pp.60-69)
Autoclave processing	vol. 71/1 (pp.34-38)	Computational material science	vol. 68/1 (pp.17-24)
Automation engineering processes	vol. 68/1 (pp.32-44)		vol. 71/2 (pp.77-86)
Automotive company	vol. 73/2 (pp.222-228)		vol. 72/1 (pp.14-22)
	vol. 68/2 (pp.80-92)		vol. 72/1 (pp.32-38)
Bending	vol. 71/1 (pp.28-33)		vol. 73/1 (pp.27-35)
Bi ₂ O ₃ nanoparticles	vol. 73/2 (pp.176-184)	Conform™	vol. 69/1 (pp.33-37)
Biocomponents	vol. 73/2 (pp.110-117)	Contact angle	vol. 71/2 (pp.70-76)
Biomaterials	vol. 71/2 (pp.60-69)	Continuous extrusion	vol. 69/1 (pp.33-37)
Biomorphic	vol. 72/2 (pp.75-84)	Corrosion	vol. 70/2 (pp.70-77)
Biotemplating	vol. 72/2 (pp.75-84)		vol. 70/2 (pp.78-85)
Blast furnace	vol. 70/2 (pp.86-92)	Corrosion behaviour	vol. 73/2 (pp.92-99)
Blistering	vol. 70/2 (pp.70-77)	Counter electrode	vol. 68/1 (pp.5-11)

- Crack path vol. 73/1 (pp.13-20)
 vol. 73/2 (pp.144-150)
- Cu nanoparticles vol. 72/2 (pp.85-92)
- Curie temperature vol. 73/2 (pp.80-85)
- Cyclic loading vol. 72/2 (pp.67-74)
- Damping force** vol. 73/2 (pp.190-198)
- Data mining vol. 70/2 (pp.86-92)
- Debinding vol. 72/2 (pp.85-92)
- Deflocculant addition vol. 73/2 (pp.106-109)
- DEFORMTM vol. 69/1 (pp.33-37)
- Degree of conversion vol. 70/2 (pp.60-69)
- Delamination vol. 70/1 (pp.29-35)
 vol. 73/2 (pp.128-138)
- Diffusion vol. 73/1 (pp.27-35)
- Dilatometry vol. 73/1 (pp.21-26)
- Diode laser surface treatment vol. 73/2 (pp.214-221)
- Disaccommodation vol. 73/2 (pp.80-85)
- DSI method vol. 68/1 (pp.25-31)
- Ductility vol. 70/1 (pp.29-35)
- Duplex steels vol. 68/1 (pp.11-16)
- Dye vol. 69/2 (pp.53-63)
- Dye sensitized solar cells vol. 69/2 (pp.53-63)
 vol. 68/1 (pp.5-11)
 vol. 73/1 (pp.13-20)
- ECAP** vol. 69/1 (pp.10-17)
 vol. 69/2 (pp.79-85)
 vol. 73/1 (pp.36-44)
- EDS vol. 72/1 (pp.39-44)
- Elastic constants vol. 71/2 (pp.77-86)
 vol. 72/1 (pp.14-22)
- E-learning vol. 73/2 (pp.237-246)
- Electron microscopy vol. 69/1 (pp.5-9)
- Electrospinning technique vol. 72/2 (pp.85-92)
- Electrospinning/electrospraying method
 vol. 73/2 (pp.176-184)
- EN AW 2024 vol. 72/2 (pp.61-66)
- Energy band gap vol. 73/2 (pp.176-184)
- Energy efficiency vol. 72/1 (pp.23-31)
- Energy methods vol. 73/2 (pp.100-105)
- Energy storage vol. 73/2 (pp.72-79)
- Engineering polymers vol. 69/1 (pp.26-32)
 vol. 73/2 (pp.72-79)
- Equipment vol. 68/2 (pp.80-92)
- Etching techniques vol. 68/1 (pp.11-16)
- Fatigue** vol. 69/1 (pp.18-25)
 vol. 73/2 (pp.100-105)
 vol. 73/2 (pp.118-123)
- FeAl vol. 70/2 (pp.53-59)
- FEM vol. 72/1 (pp.5-13)
 vol. 70/1 (pp.36-44)
- FEM simulation vol. 69/1 (pp.33-37)
- Fiber volume content vol. 68/1 (pp.32-44)
- Fibre electrospinning vol. 68/2 (pp.64-71)
- Finite element method (FEM) vol. 71/2 (pp.87-92)
 vol. 73/2 (pp.190-198)
- Fixed dental prostheses vol. 71/2 (pp.60-69)
- Flow stress vol. 71/1 (pp.39-44)
- Fluorite salts vol. 70/2 (pp.78-85)
- Formability vol. 71/1 (pp.34-38)
- Fracture mechanism vol. 69/2 (pp.79-85)
- Fracture toughness vol. 69/2 (pp.64-68)
- Friction vol. 70/1 (pp.13-21)
 vol. 73/2 (pp.110-117)
- Friction stir welding vol. 73/2 (pp.118-123)
- Gear** vol. 71/1 (pp.28-33)
- Gear hardening vol. 71/2 (pp.87-92)
- Glidcop AL-60 grade vol. 69/2 (pp.79-85)
- GMA welding vol. 68/2 (pp.72-79)
- Grade 3 vol. 68/1 (pp.25-31)
- Gradient layer vol. 73/2 (pp.214-221)
- Graphene oxide vol. 73/1 (pp.13-20)
- Green parts vol. 73/2 (pp.139-143)
- Guilford scale vol. 69/2 (pp.59-63)
- Halloysite** vol. 69/2 (pp.69-78)
- Halloysite nanotubes vol. 73/2 (pp.92-99)
- Heat input vol. 70/1 (pp.36-44)
- Heat treatment vol. 69/1 (pp.5-9)
 vol. 69/1 (pp.18-25)
 vol. 73/1 (pp.27-35)
- High carbon steel wire vol. 70/1 (pp.29-35)
- High manganese steel vol. 71/1 (pp.22-27)
- Holistic vol. 73/2 (pp.55-64)
- Hot work tool steels vol. 73/2 (pp.214-221)
- Hot-melt-impregnation vol. 68/1 (pp.32-44)
- Hydraulic damper vol. 73/2 (pp.190-198)
- Hydrogen vol. 73/2 (pp.144-150)
- Hydrogen sulphide vol. 69/2 (pp.69-78)
- Hydrostatic extrusion vol. 68/1 (pp.25-31)
- Hyperelastic material vol. 73/2 (pp.151-156)
- Hysteresis loops vol. 73/1 (pp.5-12)
- Identification** vol. 71/2 (pp.77-86)
 vol. 72/1 (pp.14-22)
- Impact vol. 73/2 (pp.128-138)
- Improvement vol. 73/2 (pp.55-64)
- Induction heating vol. 71/2 (pp.87-92)
- Infiltrated AlSi12 matrix composite vol. 73/2 (pp.92-99)

Infiltration	vol. 72/2 (pp.75-84)	Metallic alloys	vol. 69/1 (pp.5-9)
Infrared examination	vol. 71/1 (pp.5-13)		vol. 69/1 (pp.18-25)
In-situ	vol. 69/2 (pp.79-85)		vol. 73/2 (pp.199-205)
Intelligence	vol. 73/2 (pp.55-64)	Metallic biomaterials	vol. 73/2 (pp.65-71)
Interaction	vol. 73/2 (pp.144-150)	Methacrylate	vol. 70/2 (pp.60-69)
Intermetallic	vol. 70/2 (pp.53-59)	Micro- and nanostructural sorbent	vol. 69/2 (pp.69-78)
	vol. 72/1 (pp.5-13)	Microfibers	vol. 68/2 (pp.64-71)
Intermetallic phase	vol. 73/2 (pp.199-205)	Microfocus computed X-Ray tomography	
Ion nitriding	vol. 71/1 (pp.28-33)		vol. 73/2 (pp.128-138)
ISO 12135	vol. 69/2 (pp.64-68)	Micrograph	vol. 73/2 (pp.128-138)
J-R curve	vol. 69/2 (pp.64-68)	Microhardness	vol. 70/1 (pp.22-28)
Kaolin	vol. 73/2 (pp.124-127)	Microstructural characterization	vol. 73/2 (pp.199-205)
Kinetics of corrosion	vol. 70/2 (pp.53-59)	Microstructure	vol. 69/1 (pp.5-9)
	vol. 72/1 (pp.5-13)		vol. 69/1 (pp.10-17)
			vol. 70/1 (pp.22-28)
			vol. 71/1 (pp.5-13)
Laminated plates	vol. 71/2 (pp.77-86)		vol. 71/1 (pp.39-44)
	vol. 72/1 (pp.14-22)		vol. 73/1 (pp.5-12)
Laser processing	vol. 73/2 (pp.206-213)		vol. 73/1 (pp.21-26)
Laser remelting	vol. 69/2 (pp.59-63)	Microstructure analysis	vol. 70/2 (pp.70-77)
Latinum thin film	vol. 68/1 (pp.5-11)	Microstructure and hardness	vol. 71/2 (pp.60-69)
Lean duplex stainless steel	vol. 70/1 (pp.36-44)	Mineral fuel	vol. 73/2 (pp.110-117)
Light-curing	vol. 70/2 (pp.60-69)	Mining industry	vol. 73/2 (pp.165-175)
Lubricity	vol. 73/2 (pp.110-117)	Mixture material	vol. 71/2 (pp.87-92)
Machine tool	vol. 73/2 (pp.55-64)	Modelling	vol. 72/1 (pp.32-38)
Machines	vol. 68/2 (pp.80-92)	Modified risk score method	vol. 69/1 (pp.38-44)
Magnesium	vol. 73/2 (pp.100-105)	Moodle platform	vol. 73/2 (pp.237-246)
Magnesium cast alloy	vol. 69/2 (pp.59-63)	Multiple alloying	vol. 73/2 (pp.214-221)
Magnetic entropy	vol. 73/2 (pp.80-85)	MWCNTs	vol. 72/1 (pp.39-44)
Magnetic field	vol. 73/2 (pp.151-156)	Nanobranches	vol. 72/2 (pp.85-92)
Magnetorheological elastomers	vol. 73/2 (pp.151-156)	Nanocomposites	vol. 72/1 (pp.39-44)
	vol. 72/1 (pp.23-31)		vol. 68/2 (pp.64-71)
Management systems	vol. 68/2 (pp.80-92)	Nanocrystalline alloy	vol. 73/1 (pp.5-12)
Martensite	vol. 71/1 (pp.34-38)	Nanofibers	vol. 72/2 (pp.85-92)
Material properties	vol. 69/1 (pp.10-17)		vol. 68/2 (pp.64-71)
Materials	vol. 69/1 (pp.26-32)	Nanoindentation	vol. 72/2 (pp.53-60)
Materials design steels	vol. 72/1 (pp.32-38)	Nanomaterials	vol. 72/1 (pp.39-44)
Mathematical model	vol. 68/2 (pp.72-79)	Nickel alloys	vol. 70/2 (pp.78-85)
Measurement	vol. 73/2 (pp.139-143)	Noble nanocrystals	vol. 72/1 (pp.39-44)
Mechanical	vol. 69/1 (pp.18-25)	Numerical simulations	vol. 73/2 (pp.165-175)
Mechanical alloying	vol. 68/2 (pp.53-58)	Numerical techniques	vol. 68/1 (pp.17-24)
	vol. 69/2 (pp.79-85)	Object-oriented approach	vol. 73/2 (pp.222-228)
Mechanical properties	vol. 71/1 (pp.5-13)	Occupational risk assessment	vol. 69/1 (pp.38-44)
	vol. 71/1 (pp.22-27)	Odors	vol. 69/2 (pp.69-78)
	vol. 71/2 (pp.70-76)	Oesophagus cancer	vol. 69/1 (pp.26-32)
	vol. 72/2 (pp.61-66)	Oesophagus prostheses	vol. 69/1 (pp.26-32)
	vol. 73/1 (pp.36-44)	Outdoor gear	vol. 71/1 (pp.28-33)
	vol. 73/2 (pp.118-123)	Oxidation	vol. 70/2 (pp.53-59)
Melting	vol. 71/1 (pp.39-44)		vol. 72/1 (pp.5-13)
Metal working	vol. 71/1 (pp.5-13)		

- Palate implant** vol. 71/2 (pp.53-59)
Partial dentures vol. 73/2 (pp.157-164)
Particle size distribution vol. 68/2 (pp.53-58)
Permeability vol. 73/2 (pp.80-85)
Phase transformations vol. 68/2 (pp.59-64)
Plasticity vol. 73/2 (pp.144-150)
Poly(vinyl alcohol) vol. 73/2 (pp.124-127)
Polyacrylonitrile vol. 73/2 (pp.176-184)
Polyethylene oxide vol. 68/2 (pp.64-71)
Polyethylene PE-LD vol. 71/2 (pp.70-76)
Polymer composite materials vol. 73/2 (pp.176-184)
Porous materials vol. 71/2 (pp.53-59)
 vol. 72/2 (pp.75-84)
Powder injection molding vol. 71/1 (pp.14-21)
Powder metallurgy vol. 73/2 (pp.206-213)
Precipitation vol. 73/1 (pp.21-26)
Prepreg vol. 68/1 (pp.32-44)
Pressure vol. 71/1 (pp.28-33)
Pressure die casting method vol. 70/1 (pp.5-12)
Product technology vol. 68/2 (pp.80-92)
Properties vol. 73/2 (pp.65-71)
 vol. 73/2 (pp.92-99)
 vol. 73/2 (pp.100-105)
Proppants fabrication vol. 73/2 (pp.106-109)
PVD vol. 68/1 (pp.25-31)
Pyrolysis vol. 72/2 (pp.75-84)

Railway vehicles vol. 69/2 (pp.86-92)
Raw materials vol. 73/2 (pp.106-109)
Recycling vol. 70/1 (pp.22-28)
Removable dentures vol. 73/2 (pp.157-164)
Residual stress vol. 70/1 (pp.36-44)
Residual stresses vol. 71/2 (pp.87-92)
Resin flow vol. 68/1 (pp.32-44)
Resonance vol. 72/1 (pp.23-31)
 vol. 73/1 (pp.27-35)
Respondent's research directed to the quality vol. 73/2 (pp.229-236)
Risk score method vol. 69/1 (pp.38-44)
Robotic work cells vol. 73/2 (pp.222-228)
Rotary swaging vol. 72/2 (pp.61-66)
Roughness vol. 71/2 (pp.70-76)

S/N ratio vol. 68/2 (pp.72-79)
Safety and health management vol. 69/1 (pp.38-44)
Salt reactors vol. 70/2 (pp.78-85)
Scaffold vol. 71/2 (pp.53-59)
Scanning electron microscopy vol. 73/2 (pp.86-91)
Scratch test vol. 73/2 (pp.86-91)
Selective laser melting (SLM) vol. 71/2 (pp.53-59)
SEM vol. 72/2 (pp.53-60)

Severe plastic deformation vol. 73/1 (pp.36-44)
Shale gas vol. 73/2 (pp.124-127)
Shale gas extraction vol. 73/2 (pp.106-109)
Shewart's cycle vol. 73/2 (pp.229-236)
Silorane vol. 70/2 (pp.60-69)
Simulation vol. 72/1 (pp.32-38)
Single crystals vol. 73/2 (pp.144-150)
Sintering vol. 71/1 (pp.14-21)
Slurry vol. 73/2 (pp.124-127)
Smoothed particle hydrodynamics vol. 72/1 (pp.23-31)
Sodium ion battery vol. 73/2 (pp.72-79)
Soil modeling vol. 72/1 (pp.23-31)
Sol-gel vol. 72/2 (pp.75-84)
Solid state vol. 73/2 (pp.118-123)
Solvent and thermal debinding vol. 71/1 (pp.14-21)
Solvent-free electrolyte vol. 73/2 (pp.72-79)
SPD vol. 69/1 (pp.33-37)
Spherical microsection vol. 68/1 (pp.25-31)
Spray drying vol. 73/2 (pp.124-127)
Stainless steel vol. 68/1 (pp.17-24)
Stanisz scale vol. 69/2 (pp.59-63)
Steel rods vol. 71/1 (pp.5-13)
Sterilization vol. 71/2 (pp.70-76)
Stick-Slip vol. 70/1 (pp.13-21)
Strain hardening vol. 72/2 (pp.61-66)
Structure vol. 68/2 (pp.59-64)
 vol. 71/1 (pp.22-27)
 vol. 73/1 (pp.5-12)
Structure analysis vol. 73/1 (pp.36-44)
Sulphur vol. 70/2 (pp.86-92)
Surface treatment vol. 73/2 (pp.206-213)

Taguchi techniques vol. 68/2 (pp.72-79)
Tandem welding vol. 68/2 (pp.72-79)
Technical devices and equipment vol. 69/2 (pp.86-92)
TEM vol. 72/1 (pp.39-44)
Tensile testing vol. 69/1 (pp.10-17)
Testing of prototype vol. 73/2 (pp.185-189)
Thermogravimetric analysis vol. 71/1 (pp.14-21)
Thermoplastic composites vol. 72/2 (pp.53-60)
Thread locking vol. 72/2 (pp.67-74)
TiAlN-coating vol. 72/2 (pp.53-60)
Titanium vol. 68/1 (pp.25-31)
 vol. 69/1 (pp.33-37)
Titanium dioxide vol. 69/2 (pp.53-63)
Tool steel vol. 73/1 (pp.21-26)
Total quality management vol. 73/2 (pp.229-236)
TPM vol. 68/2 (pp.80-92)
Train control system vol. 69/2 (pp.86-92)
TRIP effect vol. 71/1 (pp.34-38)
TRIP steel vol. 68/2 (pp.59-64)

Twinning	vol. 71/1 (pp.22-27)	WCM	vol. 68/2 (pp.80-92)
Twins	vol. 71/1 (pp.22-27)	Wear	vol. 71/1 (pp.28-33)
TWIP mechanism	vol. 71/1 (pp.22-27)	Wear resistance	vol. 73/1 (pp.21-26)
TWIP steels	vol. 71/1 (pp.39-44)	Wear resistance	vol. 73/2 (pp.118-123)
UFG composites	vol. 69/1 (pp.10-17)	Welded joints	vol. 73/2 (pp.100-105)
Ultrasonic testing	vol. 73/2 (pp.128-138)	Wobble	vol. 73/2 (pp.185-189)
Unidirectional layer	vol. 68/1 (pp.32-44)	Wood material	vol. 72/2 (pp.75-84)
Unloading compliance	vol. 69/2 (pp.64-68)	X-ray	vol. 73/2 (pp.139-143)
Valve system	vol. 73/2 (pp.190-198)	X-ray diffractometer	vol. 73/2 (pp.86-91)
Vessel	vol. 73/2 (pp.185-189)	X-ray spectroscopy	vol. 69/2 (pp.59-63)
Vibratory pile hammer	vol. 73/2 (pp.151-156)	Zinc alloys	vol. 70/1 (pp.22-28)
Vickers hardness	vol. 68/1 (pp.25-31)	Zinc oxide	vol. 73/2 (pp.86-91)
Void content	vol. 68/1 (pp.32-44)	Zn-Al-Mg alloy	vol. 70/2 (pp.70-77)
		Zn-based alloy	vol. 70/2 (pp.70-77)