

Author index

Bekeč P.	58	Mohankumar E.	72
Ghazvinloo H.R.	65	Polok-Rubiniec M.	53
Grimplini G.	58		
Honarbakhsh-Raouf A.	65	Ragunathan S.	72
		Rdzawski Z.	53
Kadlec J.	58		
Konieczny J.	53	Thamilarasi P.	72
		Tréfa G.	58
Labisz K.	53		
Longauerová M.	58	Vojtko M.	58
Milkovič O.	58		
		Włodarczyk-Fligier A.	53

Keywords index

Alloyed copper	53	Multiple linear regression analysis	72
Analysis and modelling	72		
Bead geometry	72	One-step quenching and partitioning	65
Branched cracks	58	Oscillation marks	58
Cold deformation	53	Partitioning time	65
		Precipitation	53,58
		Properties	58,65
Heat treatment	53	Recrystallisation	53
L₂₇ orthogonal array design of experiment	72	Robotic GMAW	72
Materials	53	Second order regression analysis	72
Mechanical properties	65	Segregation	58
		Slab	58

Index of Keywords publishing in the Journal of Achievements in Materials and Manufacturing Engineering in 2014 (Vols. 62-67)

2D vs. 3D	vol. 65/1 (pp.32-37)	Analytical criteria	vol. 62/2 (pp.53-62)
3D	vol. 66/2 (pp.67-72)	Aperiodic	vol. 66/1 (pp.13-19)
3D surface topography	vol. 66/2 (pp.87-92)	ARAMIS	vol. 65/1 (pp.32-37)
Adaptation	vol. 63/1 (pp.38-44)	Austenitic stainless steel	vol. 62/2 (pp.69-74)
Ageing	vol. 65/2 (pp.53-60)	Autoclave processing	vol. 64/2 (pp.72-77)
Al films	vol. 67/1 (pp.5-13)	Axisymmetric component	vol. 64/1 (pp.5-19)
Al ₃ Ti	vol. 66/2 (pp.61-66)		vol. 65/1 (pp.20-25)
Alloyed copper	vol. 67/2 (pp.53-57)	Band structure	vol. 65/2 (pp.79-85)
Al-Si alloy	vol. 65/1 (pp.26-31)	Bead geometry	vol. 67/2 (pp.72-85)
Aluminium	vol. 66/2 (pp.61-66)	Bimetals	vol. 62/1 (pp.19-24)
Aluminium alloys	vol. 67/1 (pp.39-44)	Biodegradable material	vol. 65/1 (pp.10-19)
Aluminium oxide	vol. 63/1 (pp.5-12)	Biomaterials	vol. 62/1 (pp.10-18)
Amorphous materials	vol. 67/1 (pp.32-38)		vol. 64/2 (pp.53-61)
Analysis and modelling	vol. 62/1 (pp.5-9)	Biomechanics	vol. 64/1 (pp.20-26)
	vol. 66/2 (pp.53-60)	Bismuth alloys	vol. 67/1 (pp.26-31)
	vol. 62/1 (pp.25-30)	Branched cracks	vol. 67/2 (pp.58-64)
	vol. 62/2 (pp.75-80)	Brush electrode	vol. 64/1 (pp.39-44)
	vol. 63/1 (pp.19-29)		
	vol. 63/1 (pp.38-44)	Carbon nanotubes	vol. 65/2 (pp.73-78)
	vol. 63/2 (pp.65-80)	Cavitation erosion	vol. 65/2 (pp.61-67)
	vol. 64/1 (pp.27-33)	CCT diagrams	vol. 65/1 (pp.38-44)
	vol. 64/2 (pp.78-84)	Cellular materials	vol. 66/2 (pp.67-72)
	vol. 64/2 (pp.85-89)	Ceramics and glasses	vol. 63/1 (pp.13-18)
	vol. 64/2 (pp.90-92)	CFRP	vol. 67/1 (pp.14-20)
	vol. 65/1 (pp.26-31)	Chemically active powder	vol. 62/2 (pp.81-87)
	vol. 65/1 (pp.32-37)	Cobalt alloys	vol. 62/1 (pp.10-18)
	vol. 65/1 (pp.38-44)	Cold cracks	vol. 62/1 (pp.31-37)
	vol. 65/2 (pp.79-85)	Cold deformation	vol. 67/2 (pp.53-57)
	vol. 66/1 (pp.31-38)	Complex alloyed bronze	vol. 65/2 (pp.61-67)
	vol. 66/2 (pp.67-72)	Computational material science	vol. 64/1 (pp.27-33)
	vol. 66/2 (pp.73-80)		vol. 65/1 (pp.38-44)
	vol. 66/2 (pp.81-86)	Computed tomography	vol. 67/1 (pp.14-20)
	vol. 67/2 (pp.72-85)		

Computer modeling	vol. 62/2 (pp.75-80) vol. 65/1 (pp.26-31)	Fluidized bed	vol. 62/2 (pp.81-87) vol. 62/2 (pp.88-92)
Constructional design	vol. 63/1 (pp.19-29)	Forging	vol. 62/2 (pp.75-80)
Copper	vol. 67/1 (pp.21-25)	Forming Limit Diagram	vol. 65/1 (pp.32-37)
Corrosion	vol. 62/1 (pp.10-18)	Fossil-fueled power plant	vol. 64/2 (pp.72-77)
Corrosion in petroleum products	vol. 65/2 (pp.86-92)	Fracture	vol. 66/2 (pp.61-66)
Cracking	vol. 62/2 (pp.69-74)	Frequency Response Function (FRF)	vol. 66/2 (pp.81-86)
Creep behavior	vol. 62/1 (pp.19-24)	Fusible alloy	vol. 67/1 (pp.26-31)
CrMoV steel	vol. 62/2 (pp.63-68)	H ardness	vol. 62/1 (pp.5-9)
Cullet	vol. 62/1 (pp.31-37)	Heat treatment	vol. 62/1 (pp.31-37)
Cutting cost comparison	vol. 63/2 (pp.86-92)	Heat-affected zone	vol. 67/2 (pp.53-57)
Cutting property	vol. 63/2 (pp.81-85)	Heterogeneity	vol. 62/1 (pp.31-37)
Damping	vol. 62/2 (pp.88-92)	High speed steel	vol. 62/2 (pp.63-68)
Degree of shear deformation	vol. 63/2 (pp.65-80)	High temperature	vol. 62/2 (pp.88-92)
Dental composites	vol. 66/1 (pp.31-38)	High velocity impact	vol. 65/2 (pp.86-92)
Die forging	vol. 64/2 (pp.62-71)	Homogeneity of deformation	vol. 64/1 (pp.5-19)
Diffusion bonding	vol. 64/2 (pp.85-89)	Honeycomb	vol. 62/1 (pp.25-30)
Discretization	vol. 67/1 (pp.21-25)	Hot cracks	vol. 66/2 (pp.81-86)
Duplex cast steel	vol. 65/2 (pp.79-85)	Hot-rolled plate	vol. 62/1 (pp.31-37)
Durability of tool	vol. 63/2 (pp.58-64)	HTPAC	vol. 66/1 (pp.31-38)
Dust	vol. 62/2 (pp.88-92)	Hybrid stacking	vol. 63/2 (pp.81-85)
EBSM	vol. 63/2 (pp.86-92)	Hydroforming	vol. 64/1 (pp.5-19)
ECAP	vol. 62/2 (pp.63-68)	Hydromechanical bulge forming	vol. 65/1 (pp.20-25)
Economical analysis	vol. 62/1 (pp.25-30)	Hydrothermal synthesis	vol. 65/1 (pp.53-57)
EEG sensor	vol. 63/1 (pp.5-12)	I mage analysis	vol. 66/2 (pp.67-72)
Electromagnetic fields shielding	vol. 63/2 (pp.81-85)	Impact tests	vol. 62/1 (pp.19-24)
Electron microscopy	vol. 64/1 (pp.20-26)	Impact toughness	vol. 62/1 (pp.31-37)
Electrospinning	vol. 62/1 (pp.38-44)	Inconel 718	vol. 66/1 (pp.5-12)
Empirical research	vol. 65/1 (pp.10-19)	Industrial management and organisation	vol. 62/1 (pp.38-44)
Energy dispersive spectrometer (EDS)	vol. 64/2 (pp.53-61)	I n-situ testing	vol. 63/1 (pp.30-37)
Energy dissipation	vol. 63/1 (pp.30-37)	K inesiotherapy	vol. 63/2 (pp.81-85)
Engineering polymers	vol. 66/1 (pp.20-30)		vol. 62/2 (pp.63-68)
Erosion damage characterization	vol. 64/1 (pp.5-19)		vol. 64/1 (pp.20-26)
Exfoliation	vol. 65/1 (pp.10-19)	L ₂₇ orthogonal array design of experiment	vol. 67/2 (pp.72-85)
Fabric reinforced layer	vol. 66/1 (pp.5-12)	Laser beam welding	vol. 67/1 (pp.39-44)
Fe foam	vol. 64/2 (pp.72-77)	Laser cutting	vol. 66/2 (pp.87-92)
FEM	vol. 63/2 (pp.65-80)	Laser quenching	vol. 64/1 (pp.34-38)
FEM analysis	vol. 65/2 (pp.68-72)	Laser spots overlap	vol. 64/1 (pp.34-38)
Fiber reinforced plastics	vol. 62/1 (pp.25-30)	Laser welding	vol. 65/2 (pp.68-72)
Fine fraction	vol. 66/2 (pp.73-80)	Lattice parameters	vol. 65/2 (pp.53-60)
Fine machining	vol. 63/2 (pp.65-80)	Layer formation	vol. 62/2 (pp.53-62)
First Order Shear Deformation Theory (FSDT)	vol. 64/1 (pp.5-19)	Leading automotive companies	vol. 63/1 (pp.30-37)
Fluidization	vol. 63/2 (pp.86-92)	Left-handed materials	vol. 65/2 (pp.79-85)
	vol. 66/1 (pp.39-44)	LHM	vol. 66/1 (pp.13-19)
	vol. 66/2 (pp.81-86)	Light-curing	vol. 64/2 (pp.62-71)

Local electrochemical analysis	vol. 64/2 (pp.90-92)	Microwave synthesis	vol. 65/1 (pp.5-9)
Loops	vol. 65/2 (pp.86-92)	Module system	vol. 63/1 (pp.19-29)
Low melting point alloy	vol. 67/1 (pp.26-31)	Mouldboard design	vol. 66/2 (pp.73-80)
Magnesium iron oxide	vol. 65/1 (pp.5-9)	Multilayers	vol. 66/1 (pp.13-19)
Magnesium vanadium oxide	vol. 63/2 (pp.53-57)	Multiple linear regression analysis	vol. 67/2 (pp.72-85)
Manufacturing and processing	vol. 62/1 (pp.31-37)		
	vol. 62/2 (pp.81-87)	Nanomaterials	vol. 64/2 (pp.53-61)
	vol. 62/2 (pp.88-92)	Narrow gap	vol. 62/1 (pp.31-37)
	vol. 64/1 (pp.34-38)	Ni-based alloy	vol. 62/1 (pp.5-9)
	vol. 64/1 (pp.39-44)	Nitriding in glow discharge	vol. 62/2 (pp.53-62)
	vol. 65/2 (pp.86-92)	Nitrocarburizing	vol. 62/2 (pp.81-87)
	vol. 66/1 (pp.39-44)	Numerical simulation	vol. 62/2 (pp.88-92)
	vol. 66/2 (pp.87-92)	Numerical solidification simulation	vol. 64/2 (pp.85-89)
	vol. 67/1 (pp.32-38)		vol. 63/2 (pp.58-64)
	vol. 67/1 (pp.39-44)	Occupational risk assessment	vol. 62/1 (pp.38-44)
Material properties	vol. 63/1 (pp.38-44)	Ondulation	vol. 63/2 (pp.65-80)
Materials	vol. 62/1 (pp.5-9)	One-step quenching and partitioning	vol. 67/2 (pp.65-71)
	vol. 62/1 (pp.38-44)	Optical measuring	vol. 65/1 (pp.32-37)
	vol. 62/2 (pp.53-62)	Oscillation marks	vol. 67/2 (pp.58-64)
	vol. 63/1 (pp.5-12)	Oxide layer	vol. 62/2 (pp.69-74)
	vol. 63/2 (pp.53-57)	Oxide layers	vol. 64/2 (pp.90-92)
	vol. 63/2 (pp.58-64)	Oxyfuel flame cutting	vol. 63/2 (pp.81-85)
	vol. 64/2 (pp.53-61)		
	vol. 65/1 (pp.5-9)	Partitioning time	vol. 67/2 (pp.65-71)
	vol. 65/2 (pp.53-60)	Passivation	vol. 62/1 (pp.10-18)
	vol. 65/2 (pp.61-67)	Plasma cutting	vol. 63/2 (pp.81-85)
	vol. 66/2 (pp.53-60)	Plasticity	vol. 66/2 (pp.53-60)
	vol. 67/1 (pp.5-13)	Plough design	vol. 66/2 (pp.73-80)
	vol. 67/2 (pp.53-57)	Poland	vol. 63/1 (pp.30-37)
	vol. 64/1 (pp.27-33)	Polyurethane	vol. 64/2 (pp.53-61)
	vol. 66/1 (pp.31-38)	Porosity	vol. 67/1 (pp.14-20)
Materials science virtual laboratory	vol. 63/1 (pp.13-18)	Porous materials	vol. 65/2 (pp.68-72)
Math modelling	vol. 65/1 (pp.10-19)	Porous Si ₃ N ₄	vol. 66/2 (pp.67-72)
Mechanical properties	vol. 67/1 (pp.26-31)	Potentiodynamic study	vol. 63/1 (pp.13-18)
	vol. 67/1 (pp.39-44)	Powder injection moulding	vol. 62/1 (pp.10-18)
	vol. 67/2 (pp.65-71)	Powder metallurgy	vol. 67/1 (pp.32-38)
	vol. 65/2 (pp.86-92)		vol. 63/2 (pp.53-57)
Mechanical test	vol. 62/1 (pp.19-24)	Precipitation	vol. 65/1 (pp.5-9)
Merging	vol. 64/2 (pp.53-61)		vol. 67/2 (pp.53-57)
Mesenchymal stem cells	vol. 63/2 (pp.65-80)	Primary structure	vol. 67/2 (pp.58-64)
Mesomechanic scale	vol. 64/2 (pp.85-89)	Properties	vol. 63/2 (pp.58-64)
Metal forming	vol. 67/1 (pp.26-31)		vol. 62/1 (pp.10-18)
Metallic alloys	vol. 64/2 (pp.62-71)		vol. 62/1 (pp.19-24)
Methacrylate	vol. 64/1 (pp.20-26)		vol. 62/2 (pp.63-68)
Methodology of research	vol. 66/1 (pp.20-30)		vol. 62/2 (pp.69-74)
	vol. 65/2 (pp.73-78)		vol. 63/1 (pp.13-18)
Micro arc oxidation	vol. 63/2 (pp.58-64)		vol. 63/2 (pp.86-92)
Microstructure	vol. 64/1 (pp.34-38)		vol. 64/1 (pp.5-19)
	vol. 65/2 (pp.53-60)		vol. 64/2 (pp.62-71)
	vol. 65/2 (pp.61-67)		vol. 64/2 (pp.72-77)

Qualitative and numerical analysis of the chemical composition	vol. 65/1 (pp.10-19)	Strength	vol. 62/1 (pp.31-37)
Quality Management System (QMS)	vol. 65/1 (pp.20-25)	Stress analysis	vol. 66/2 (pp.73-80)
	vol. 65/2 (pp.68-72)	Stress measurement	vol. 63/1 (pp.5-12)
	vol. 65/2 (pp.73-78)	Stressed and strained states	vol. 66/1 (pp.31-38)
	vol. 66/1 (pp.5-12)	Structural steel	vol. 64/1 (pp.27-33)
	vol. 66/1 (pp.13-19)	Structural vibration	vol. 63/2 (pp.65-80)
	vol. 66/2 (pp.61-66)	Structure analysis	vol. 63/1 (pp.5-12)
	vol. 67/1 (pp.14-20)	Structure testing	vol. 62/1 (pp.38-44)
	vol. 67/1 (pp.21-25)	Super alloys	vol. 66/1 (pp.5-12)
	vol. 67/1 (pp.26-31)	Superalloys	vol. 65/2 (pp.68-72)
	vol. 67/2 (pp.58-64)	Superficial layer	vol. 64/1 (pp.39-44)
	vol. 67/2 (pp.65-71)		vol. 66/1 (pp.39-44)
		Superlattices	vol. 66/1 (pp.13-19)
	vol. 66/1 (pp.20-30)	Surface hardening	vol. 62/2 (pp.69-74)
	vol. 63/1 (pp.30-37)	Surface roughness	vol. 66/1 (pp.39-44)
Recrystallisation	vol. 67/2 (pp.53-57)	Task-level programming	vol. 66/2 (pp.78-84)
Rehabilitation	vol. 64/1 (pp.20-26)	Tensile behaviour	vol. 66/2 (pp.61-66)
Resistivity	vol. 64/2 (pp.90-92)	Tensile test	vol. 65/1 (pp.26-31)
RHM	vol. 66/1 (pp.13-19)	The wall thickness distribution	vol. 65/1 (pp.20-25)
Robotic GMAW	vol. 67/2 (pp.72-85)	Theory of similarity	vol. 63/1 (pp.19-29)
Robotics	vol. 64/2 (pp.78-84)	Thermal activation	vol. 66/2 (pp.53-60)
Rolling mill	vol. 63/1 (pp.38-44)	Thermo-active powder	vol. 62/2 (pp.88-92)
Rolling model	vol. 63/1 (pp.38-44)	Thermogravimetric analysis	vol. 67/1 (pp.32-38)
Rotofinish	vol. 66/1 (pp.39-44)	Thin sheets	vol. 67/1 (pp.39-44)
Rotor	vol. 62/1 (pp.31-37)	Third Order Shear Deformation	
Roughness	vol. 65/2 (pp.61-67)	Theory (TSDT)	
SAW	vol. 62/1 (pp.31-37)	TiAl	vol. 66/2 (pp.81-86)
Scanning electron microscope	vol. 66/1 (pp.5-12)	Titania coating	vol. 65/2 (pp.53-60)
Second order regression analysis	vol. 67/2 (pp.72-85)	Titanic alloy	vol. 65/2 (pp.73-78)
Segregation	vol. 67/2 (pp.58-64)	Titanium	vol. 62/2 (pp.53-62)
Series of types	vol. 63/1 (pp.19-29)		vol. 66/2 (pp.61-66)
Shear	vol. 66/2 (pp.81-86)	Titanium alloy	vol. 67/1 (pp.21-25)
Silorane	vol. 64/2 (pp.62-71)	TLP bonding	vol. 67/1 (pp.39-44)
Simulation	vol. 63/1 (pp.38-44)	Transfer matrix method algrorithm	vol. 65/2 (pp.73-78)
Sintering	vol. 63/2 (pp.86-92)	Transmission	vol. 67/1 (pp.5-13)
Slab	vol. 67/2 (pp.58-64)	Transmission maps	vol. 65/2 (pp.79-85)
Slabs and plates	vol. 62/2 (pp.75-80)	Tumbling	vol. 66/1 (pp.13-19)
Slag	vol. 63/2 (pp.86-92)		vol. 65/2 (pp.79-85)
Sonic measurement	vol. 63/1 (pp.13-18)	Vibration machining	vol. 66/1 (pp.39-44)
Spark deposition	vol. 64/1 (pp.39-44)	Vibro-abrasive	vol. 66/1 (pp.39-44)
SPD	vol. 63/1 (pp.5-12)	Vickers hardness	vol. 67/1 (pp.5-13)
SPS	vol. 67/1 (pp.5-13)	Virtual investigations	vol. 64/1 (pp.27-33)
Stainless steel	vol. 66/2 (pp.87-92)	Voids	vol. 65/1 (pp.26-31)
	vol. 67/1 (pp.21-25)		vol. 67/1 (pp.14-20)
Starch	vol. 63/1 (pp.13-18)	Water-jet cutting	vol. 66/2 (pp.87-92)
Statistic methods	vol. 65/1 (pp.38-44)	Wave dispersive spectrometry	
Steels	vol. 65/1 (pp.38-44)	(WDS)	vol. 66/1 (pp.20-30)
Strained state parameters	vol. 66/1 (pp.31-38)		

Wear resistance	vol. 64/2 (pp.62-71) vol. 65/2 (pp.73-78)	X-ray tomography	vol. 66/2 (pp.67-72)
X-ray analysis	vol. 63/1 (pp.5-12)	Yield Point	vol. 66/2 (pp.53-60)
X-ray diffractometer	vol. 66/1 (pp.20-30)	γ TiAl	vol. 67/1 (pp.5-13)