

Prasad K D V Yarlagadda

List of Publications by Citations

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208
papers

3,027
citations

30
h-index

47
g-index

226
ext. papers

3,632
ext. citations

3.4
avg, IF

5.64
L-index

#	Paper	IF	Citations
208	Bacterial adherence and biofilm formation on medical implants: a review. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014 , 228, 1083-99	1.7	257
207	Bio-mimicking nano and micro-structured surface fabrication for antibacterial properties in medical implants. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 64	9.4	187
206	Advancements in pulse gas metal arc welding. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1113-1119	5.3	79
205	A review on degradation models in reliability analysis 2010 , 369-384		74
204	Time-dependent fractional advection-diffusion equations by an implicit MLS meshless method. <i>International Journal for Numerical Methods in Engineering</i> , 2011 , 88, 1346-1362	2.4	73
203	Meeting challenges in welding of aluminum alloys through pulse gas metal arc welding. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1106-1112	5.3	65
202	Neural network approach to flow stress evaluation in hot deformation. <i>Journal of Materials Processing Technology</i> , 1995 , 53, 552-566	5.3	63
201	Design and development of automatic visual inspection system for PCB manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2011 , 27, 949-962	9.2	61
200	Prediction of welding parameters for pipeline welding using an intelligent system. <i>International Journal of Advanced Manufacturing Technology</i> , 2003 , 22, 713-719	3.2	61
199	Digital Manufacturing- Applications Past, Current, and Future Trends. <i>Procedia Engineering</i> , 2017 , 174, 982-991		57
198	Wayfinding: A simple concept, a complex process. <i>Transport Reviews</i> , 2012 , 32, 715-743	9.9	57
197	A study on prediction of bead height in robotic arc welding using a neural network. <i>Journal of Materials Processing Technology</i> , 2002 , 130-131, 229-234	5.3	56
196	Antiviral and Antibacterial Nanostructured Surfaces with Excellent Mechanical Properties for Hospital Applications. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 3608-3618	5.5	54
195	Study of fractional softening in multi-stage hot deformation. <i>Journal of Materials Processing Technology</i> , 1998 , 77, 166-174	5.3	53
194	Sandwiched carbon nanotube film as strain sensor. <i>Composites Part B: Engineering</i> , 2012 , 43, 2711-2717	10	46
193	Optimal design of neural networks for control in robotic arc welding. <i>Robotics and Computer-Integrated Manufacturing</i> , 2004 , 20, 57-63	9.2	46
192	Recent advances and current developments in tissue scaffolding. <i>Bio-Medical Materials and Engineering</i> , 2005 , 15, 159-77	1	45

191	Recent Advances in Manufacturing and Surface Modification of Titanium Orthopaedic Applications. <i>Procedia Engineering</i> , 2017 , 174, 1067-1076		44
190	Mechanical, bactericidal and osteogenic behaviours of hydrothermally synthesised TiO nanowire arrays. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 80, 311-319	4-1	44
189	Hot deformation studies on a low-carbon steel: Part 1 - flow curves and the constitutive relationship. <i>Journal of Materials Processing Technology</i> , 1996 , 56, 897-907	5-3	42
188	Multi-biofunctional properties of three species of cicada wings and biomimetic fabrication of nanopatterned titanium pillars. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1300-1310	7-3	39
187	A suspicious behaviour detection using a context space model for smart surveillance systems. <i>Computer Vision and Image Understanding</i> , 2012 , 116, 194-209	4-3	39
186	Statistical analysis on accuracy of wax patterns used in investment casting process. <i>Journal of Materials Processing Technology</i> , 2003 , 138, 75-81	5-3	39
185	A neural network system for the prediction of process parameters in pressure die casting. <i>Journal of Materials Processing Technology</i> , 1999 , 89-90, 583-590	5-3	39
184	An investigation into welding of engineering thermoplastics using focused microwave energy. <i>Journal of Materials Processing Technology</i> , 1998 , 74, 199-212	5-3	38
183	Antiviral Nanostructured Surfaces Reduce the Viability of SARS-CoV-2. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4858-4861	5-5	33
182	The effect of alternate supply of shielding gases in austenite stainless steel GTA welding. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 4722-4727	5-3	32
181	Experimental studies on comparison of microwave curing and thermal curing of epoxy resins used for alternative mould materials. <i>Journal of Materials Processing Technology</i> , 2004 , 155-156, 1532-1538	5-3	32
180	Feasibility studies on the production of electro-discharge machining electrodes with rapid prototyping and the electroforming process. <i>Journal of Materials Processing Technology</i> , 1999 , 89-90, 231-237	5-3	31
179	CADDS: an automated die design system for sheet-metal blanking. <i>Computing & Control Engineering Journal</i> , 1992 , 3, 185		31
178	Numerical exploration of plastic deformation mechanisms of copper nanowires with surface defects. <i>Computational Materials Science</i> , 2011 , 50, 3425-3430	3-2	30
177	A study on the quality improvement of robotic GMA welding process. <i>Robotics and Computer-Integrated Manufacturing</i> , 2003 , 19, 567-572	9-2	30
176	Importance of Knowledge Management Processes in a Project-based organization: A Case Study of Research Enterprise. <i>Procedia Engineering</i> , 2014 , 97, 1825-1830		29
175	Prediction of die casting process parameters by using an artificial neural network model for zinc alloys. <i>International Journal of Production Research</i> , 2000 , 38, 119-139	7-8	28
174	Development of a hybrid neural network system for prediction of process parameters in injection moulding. <i>Journal of Materials Processing Technology</i> , 2001 , 118, 109-115	5-3	27

173	Framework for Airport Outbound Passenger Flow Modelling. <i>Procedia Engineering</i> , 2017 , 174, 1100-1109	25
172	A review on reliability models with covariates 2010 , 385-397	25
171	Characteristics of alternate supply of shielding gases in aluminum GMA welding. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 4716-4721	5.3 25
170	Development of an integrated neural network system for prediction of process parameters in metal injection moulding. <i>Journal of Materials Processing Technology</i> , 2002 , 130-131, 315-320	5.3 25
169	Inorganic p-type semiconductors and carbon materials based hole transport materials for perovskite solar cells. <i>Chinese Chemical Letters</i> , 2018 , 29, 1242-1250	8.1 24
168	Internet-based distributive knowledge integrated system for product design. <i>Computers in Industry</i> , 2003 , 50, 195-205	11.6 24
167	Mimicking Insect Wings: The Roadmap to Bioinspiration. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 3139-3160	5.5 23
166	A set of heuristic algorithms for optimal nesting of two-dimensional irregularly shaped sheet-metal blanks. <i>Computers in Industry</i> , 1994 , 24, 55-70	11.6 22
165	Hierarchical multiscale model for biomechanics analysis of microfilament networks. <i>Journal of Applied Physics</i> , 2013 , 113, 194701	2.5 20
164	Hot deformation studies on a low-carbon steel: part 2 - an algorithm for the flow stress determination under varying process conditions. <i>Journal of Materials Processing Technology</i> , 1996 , 56, 908-917	5.3 20
163	Detecting Uncommon Trajectories 2008 ,	19
162	Mechanics of Bacterial Interaction and Death on Nanopatterned Surfaces. <i>Biophysical Journal</i> , 2021 , 120, 217-231	2.9 19
161	A capacity assessment approach for multi-modal transportation systems. <i>European Journal of Operational Research</i> , 2017 , 263, 864-878	5.6 18
160	A sliding algorithm for optimal nesting of arbitrarily shaped sheet metal blanks. <i>International Journal of Production Research</i> , 1995 , 33, 1505-1520	7.8 18
159	A flexible job shop scheduling approach with operators for coal export terminals. <i>Computers and Operations Research</i> , 2019 , 104, 15-36	4.6 17
158	Prediction of processing parameters for injection moulding by using a hybrid neural network. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2001 , 215, 1465-1470	2.4 16
157	Business information modeling for process integration in the mold making industry. <i>Robotics and Computer-Integrated Manufacturing</i> , 2007 , 23, 195-207	9.2 15
156	Development of rapid tooling for sheet metal drawing using nickel electroforming and stereolithography processes. <i>Journal of Materials Processing Technology</i> , 2001 , 111, 286-294	5.3 15

155	Perspectives of STEM education and policies for the development of a skilled workforce in Australia and India. <i>International Journal of Science Education</i> , 2018 , 40, 1999-2022	2.2	15
154	Performance Investigation of High Temperature Application of Molten Solar Salt Nanofluid in a Direct Absorption Solar Collector. <i>Molecules</i> , 2019 , 24,	4.8	14
153	Can we safely deform a plate to fit every bone? Population-based fit assessment and finite element deformation of a distal tibial plate. <i>Medical Engineering and Physics</i> , 2016 , 38, 280-5	2.4	14
152	Investigation of the Effect of Physical and Optical Factors on the Optical Performance of a Parabolic Trough Collector. <i>Energies</i> , 2017 , 10, 1907	3.1	14
151	Experimental studies on the accuracy of wax patterns used in investment casting. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2003 , 217, 285-289	2.4	14
150	Bacteria Death and Osteoblast Metabolic Activity Correlated to Hydrothermally Synthesised TiO ₂ Surface Properties. <i>Molecules</i> , 2019 , 24,	4.8	13
149	Molecular investigation of the mechanical properties of single actin filaments based on vibration analyses. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014 , 17, 616-22	2.1	13
148	Implementation of Lean Manufacturing in Saudi Manufacturing Organisations: An Empirical Study. <i>Advanced Materials Research</i> , 2011 , 339, 250-253	0.5	13
147	Effects of punch load for elliptical deep drawing product of automotive parts. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 35, 814-820	3.2	13
146	Comparison of multiple regression and back propagation neural network approaches in modelling top bead height of multipass gas metal arc welds. <i>Science and Technology of Welding and Joining</i> , 2003 , 8, 347-352	3.7	13
145	A mathematical model for bend-allowance calculation in automated sheet-metal bending. <i>Journal of Materials Processing Technology</i> , 1993 , 39, 337-356	5.3	13
144	Advanced Numerical Characterization of Mono-Crystalline Copper with Defects. <i>Advanced Science Letters</i> , 2011 , 4, 1293-1301	0.1	13
143	Mg-Phenolic Network Strategy for Enhancing Corrosion Resistance and Osteocompatibility of Degradable Magnesium Alloys. <i>ACS Omega</i> , 2019 , 4, 21931-21944	3.9	13
142	CFD study of heat transfer enhancement and fluid flow characteristics of turbulent flow through tube with twisted tape inserts. <i>Energy Procedia</i> , 2019 , 160, 715-722	2.3	12
141	Quantification of cephalomedullary nail fit in the femur using 3D computer modelling: a comparison between 1.0 and 1.5m bow designs. <i>Journal of Orthopaedic Surgery and Research</i> , 2016 , 11, 53	2.8	12
140	Fusion of Hand Based Biometrics Using Particle Swarm Optimization 2008 ,		12
139	Microwave processing of adhesive joints using a temperature controlled feedback system. <i>International Journal of Machine Tools and Manufacture</i> , 2001 , 41, 209-225	9.4	12
138	Study on the microwave curing of adhesive joints using a temperature-controlled feedback system. <i>Journal of Materials Processing Technology</i> , 1999 , 91, 128-149	5.3	12

137	Abrasive peeling of pumpkin. <i>Journal of Food Engineering</i> , 2007 , 79, 647-656	6	11
136	Internet-based intensive product design platform for product design. <i>Knowledge-Based Systems</i> , 2003 , 16, 7-15	7.3	11
135	Modelling the growth of hydrothermally synthesised bactericidal nanostructures, as a function of processing conditions. <i>Materials Science and Engineering C</i> , 2020 , 108, 110434	8.3	11
134	Model-based fault diagnosis and prognosis of dynamic systems: a review. <i>Procedia Manufacturing</i> , 2019 , 30, 435-442	1.5	10
133	Bending properties of Ag nanowires with pre-existing surface defects. <i>Computational Materials Science</i> , 2014 , 81, 45-51	3.2	10
132	Drop transfer mode prediction in pulse GMAW of aluminum using statistical model. <i>Journal of Materials Processing Technology</i> , 2008 , 201, 502-506	5.3	10
131	Design, development and evaluation of 3D mold inserts using a rapid prototyping technique and powder-sintering process. <i>International Journal of Production Research</i> , 2006 , 44, 919-938	7.8	10
130	Parametric Study on Nanopattern Bactericidal Activity. <i>Procedia Manufacturing</i> , 2019 , 30, 514-521	1.5	9
129	Development of Empirical Equations for Irradiance Profile of a Standard Parabolic Trough Collector Using Monte Carlo Ray Tracing Technique. <i>Advanced Materials Research</i> , 2013 , 860-863, 180-190	0.5	9
128	INVESTIGATING EFFECTIVE WAYFINDING IN AIRPORTS: A BAYESIAN NETWORK APPROACH. <i>Transport</i> , 2014 , 29, 90-99	1.4	9
127	Characterisation of materials behaviour in microwave joining of ceramics. <i>Journal of Materials Processing Technology</i> , 1998 , 84, 162-174	5.3	9
126	A collaborative engine for enterprise application integration. <i>Computers in Industry</i> , 2006 , 57, 640-652	11.6	9
125	Numerical investigation of atherosclerotic plaque rupture using optical coherence tomography imaging and XFEM. <i>Engineering Fracture Mechanics</i> , 2018 , 204, 531-541	4.2	9
124	A CASE STUDY OF THE IRANIAN NATIONAL RAILWAY AND ITS ABSOLUTE CAPACITY EXPANSION USING ANALYTICAL MODELS. <i>Transport</i> , 2015 , 32, 398-414	1.4	8
123	Numerical Exploration of the Defect Effect on Mechanical Properties of Nanowires under Torsion. <i>Advanced Materials Research</i> , 2011 , 335-336, 498-501	0.5	8
122	Mechanical Properties of Melon Measured by Compression, Shear, and Cutting Modes. <i>International Journal of Food Properties</i> , 2009 , 12, 780-790	3	8
121	Mechanical peeling of pumpkins. Part 1: Using an abrasive-cutter brush. <i>Journal of Food Engineering</i> , 2008 , 89, 448-452	6	8
120	Effect of the Orientation Schemes of the Energy Collection Element on the Optical Performance of a Parabolic Trough Concentrating Collector. <i>Energies</i> , 2019 , 12, 128	3.1	8

119	Bactericidal efficiency of micro- and nanostructured surfaces: a critical perspective.. <i>RSC Advances</i> , 2021 , 11, 1883-1900	3.7	8
118	Evaluation of Particle Beam Lithography for Fabrication of Metallic Nano-structures. <i>Procedia Manufacturing</i> , 2019 , 30, 261-267	1.5	7
117	Impact of Passenger-Arrival Patterns in Outbound Processes of Airports. <i>Procedia Manufacturing</i> , 2019 , 30, 323-330	1.5	7
116	Performance of Graphite-Dispersed LiCO-KCO Molten Salt Nanofluid for a Direct Absorption Solar Collector System. <i>Molecules</i> , 2020 , 25,	4.8	7
115	Finite element analysis of high strain rate superplastic forming (SPF) of Al ₇₀ Mg ₃₀ alloys. <i>Journal of Materials Processing Technology</i> , 2002 , 130-131, 469-476	5.3	7
114	A feasibility study into joining of engineering thermoplastics utilising concentrated beam solar radiation. <i>Renewable Energy</i> , 2000 , 21, 333-361	8.1	7
113	Orthopedic bone plates: Evolution in Structure, Implementation technique and biomaterial. <i>GSTF Journal of Engineering Technology</i> , 2012 , 1,		7
112	Remaining useful life prediction of rotating equipment using covariate-based hazard models □ Industry applications. <i>Australian Journal of Mechanical Engineering</i> , 2017 , 15, 36-45	1	6
111	A constitutive model for mechanical response characterization of pumpkin peel and flesh tissues under tensile and compressive loadings. <i>Journal of Food Science and Technology</i> , 2015 , 52, 4874-84	3.3	6
110	Pedestrian Dynamics in Real and Simulated World. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2015 , 141, 04014030	2.2	6
109	Automated fit quantification of tibial nail designs during the insertion using computer three-dimensional modelling. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014 , 228, 1227-34	1.7	6
108	A study on an intelligent system to predict the tensile stress in welding using solar energy concentration. <i>Journal of Materials Processing Technology</i> , 2004 , 153-154, 649-653	5.3	6
107	A multi commodity flow model incorporating flow reduction functions. <i>Flexible Services and Manufacturing Journal</i> , 2020 , 32, 693-723	1.8	6
106	Investigation on Temperature-Dependent Electrical Conductivity of Carbon Nanotube/Epoxy Composites for Sustainable Energy Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 6957-64	1.3	5
105	The Explicit Hazard Model- part 1: Theoretical development 2010 ,		5
104	Check-in processing: Simulation of passengers with advanced traits 2011 ,		5
103	Quantitative Fit Assessment of a Precontoured Fracture Fixation Plate: Its Automation and an Investigation on the Borderline Cases. <i>Advanced Materials Research</i> , 2011 , 339, 685-689	0.5	5
102	Studies on Bending Limitations for the Optimal Fit of Orthopaedic Bone Plates. <i>Advanced Materials Research</i> , 2012 , 602-604, 1181-1185	0.5	5

101	An Extensible Product Structure Model for Product Lifecycle Management in the Make-to-Order Environment. <i>Concurrent Engineering Research and Applications</i> , 2008 , 16, 243-251	1.7	5
100	A configuration-based flexible reporting method for enterprise information systems. <i>Computers in Industry</i> , 2007 , 58, 416-427	11.6	5
99	Industrial application of surface area calculating system (SACS) in non-axisymmetric deep drawing process. <i>Journal of Materials Processing Technology</i> , 2005 , 164-165, 1578-1583	5.3	5
98	A systematic approach towards biomimicry of nanopatterned cicada wings on titanium using electron beam lithography. <i>Nanotechnology</i> , 2021 , 32, 065301	3.4	5
97	Investigation of failure mechanisms of nacre at macro and nano scales. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 112, 104018	4.1	5
96	Recent Developments in the Field of Nanotechnology for Development of Medical Implants. <i>Procedia Manufacturing</i> , 2019 , 30, 544-551	1.5	4
95	Impact of Passenger Group Dynamics on an Airport Evacuation Process Using an Agent-Based Model 2014 ,		4
94	Complete and Competent Engineers:A Coaching Model to Developing Holistic Graduates. <i>Procedia, Social and Behavioral Sciences</i> , 2014 , 116, 1367-1372		4
93	A bridging transition technique for the combination of meshfree method with finite element method in 2D solids and structures. <i>Computational Mechanics</i> , 2009 , 44, 119-131	4	4
92	Computer Aided Process Planning for Non-Axisymmetric Deep Drawing Products. <i>AIP Conference Proceedings</i> , 2004 ,	0	4
91	Joining of engineering thermoplastics by concentrated beam insolation feasibility study. <i>Journal of Materials Processing Technology</i> , 2003 , 138, 67-74	5.3	4
90	Vertical Segregation: Issues and Challenges of Women Engineers in Australia. <i>Procedia Manufacturing</i> , 2019 , 30, 671-676	1.5	3
89	Control of bacterial attachment by fracture topography. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 91, 416-424	4.1	3
88	Is there a bone-nail specific entry point? Automated fit quantification of tibial nail designs during the insertion for six different nail entry points. <i>Medical Engineering and Physics</i> , 2015 , 37, 367-74	2.4	3
87	A multi-criteria multi-commodity flow model for analysing transportation networks. <i>Operations Research Perspectives</i> , 2020 , 7, 100159	2.1	3
86	Physical mechanism of the compressive response of F-actin networks: significance of crosslinker unbinding events. <i>Theoretical and Applied Mechanics Letters</i> , 2014 , 4, 051006	1.8	3
85	A Context Space Model for Detecting Anomalous Behaviour in Video Surveillance 2012 ,		3
84	A Novel Iterative Method for Simulating Patient-Specific Optimal Deformation and Fit of Fracture Fixation Plates. <i>Advanced Materials Research</i> , 2013 , 845, 382-386	0.5	3

83	Ethanol Sensitivity of Thermally Evaporated Nanostructured WO3 Thin Films Doped and Implanted with Fe. <i>Applied Mechanics and Materials</i> , 2013 , 333-335, 1938-1945	0.3	3
82	An Update-Describe Approach for Human Action Recognition in Surveillance Video 2010 ,		3
81	Adaptive unsupervised learning of human actions 2009 ,		3
80	Mechanical Behaviours of Pumpkin Peel under Compression Test. <i>Advanced Materials Research</i> , 2011 , 337, 3-9	0.5	3
79	An in Depth Comparison of Four Texture Segmentation Methods 2007 ,		3
78	An intelligent approach of knowledge searching within Internet-based distributive knowledge integrated environment. <i>Engineering Applications of Artificial Intelligence</i> , 2002 , 15, 607-618	7.2	3
77	A solution for knowledge resources provider over the internet. <i>International Journal of Advanced Manufacturing Technology</i> , 2003 , -1, 1-1	3.2	3
76	Numerical Modelling and Optimisation of a Microwave Enhanced Rapid Prototyping. <i>International Journal of Advanced Manufacturing Technology</i> , 2001 , 17, 916-927	3.2	3
75	Study of Tissue Damage during Mechanical Peeling of Tough Skinned Vegetables 2011 ,		3
74	Towards Success in Higher Education in Engineering and Technology: A coaching approach to develop holistic graduates. <i>GSTF Journal of Engineering Technology</i> , 2013 , 2,		3
73	Trends in Bactericidal Nanostructured Surfaces: An Analytical Perspective.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 7626-7642	4.1	3
72	Fabrication of Nano Pyramid Texture on Ti-6Al-4V Using Nanosphere Lithography. <i>Materials Today: Proceedings</i> , 2018 , 5, 11593-11600	1.4	3
71	Effects of Nanopillar Size and Spacing on Mechanical Perturbation and Bactericidal Killing Efficiency. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
70	Finite Element modeling of Mechanical Loading-Pumpkin Peel and flesh. <i>International Journal of Food Engineering</i> , 2017 , 13,	1.9	2
69	Investigation of mechanical properties and morphology of hydrothermally manufactured titanium dioxide nanostructured surfaces. <i>Procedia Manufacturing</i> , 2019 , 30, 373-379	1.5	2
68	A tool to minimize the need of Monte Carlo ray tracing code for 3D finite volume modelling of a standard parabolic trough collector receiver under a realistic solar flux profile. <i>Energy Science and Engineering</i> , 2020 , 8, 3087-3102	3.4	2
67	A new constitutive analysis of hexagonal close-packed metal in equal channel angular pressing by crystal plasticity finite element method. <i>Continuum Mechanics and Thermodynamics</i> , 2018 , 30, 69-82	3.5	2
66	Support services for higher degree research students: a survey of three Australian universities. <i>European Journal of Engineering Education</i> , 2016 , 41, 469-481	1.5	2

65	Analysis of Passenger Group Behaviour and Its Impact on Passenger Flow using an Agent-based Model 2014 ,		2
64	Agent-based Modelling of Aircraft Boarding Methods 2014 ,		2
63	Mechanics of Polypropylene-Seed-Coat-Fibres Composites And Polypropylene Wood Fibres Composites-A Comparative Study. <i>Procedia Engineering</i> , 2014 , 97, 1915-1928		2
62	Agent-Based Modelling Simulation Case Study: Assessment of Airport Check-In and Evacuation Process by Considering Group Travel Behaviour of Air Passengers. <i>Applied Mechanics and Materials</i> , 2014 , 568-570, 1859-1864	0.3	2
61	Prediction of GMA Welding Characteristic Parameter by Artificial Neural Network System. <i>Advanced Materials Research</i> , 2014 , 1061-1062, 481-491	0.5	2
60	The Explicit Hazard Model- part 2: Applications 2010 ,		2
59	A Context-Based Approach for Detecting Suspicious Behaviours 2009 ,		2
58	Detecting commonly occupied regions in video sequences 2008 ,		2
57	A Multiscale Deformation Analysis for Mono-Crystalline Copper under Dynamic Uniaxial Tension. <i>Advanced Materials Research</i> , 2008 , 32, 241-244	0.5	2
56	A Study on the Prediction of Process Parameters in the Gas Metal Arc Welding of Mild Steel Using the Taguchi Method. <i>Materials Science Forum</i> , 2003 , 437-438, 285-288	0.4	2
55	Development of a new PM titanium alloy for improved processability. <i>Materials Science and Technology</i> , 2005 , 21, 185-190	1.5	2
54	An investigation into the performance of solar cured adhesive bonded joints. <i>Journal of Materials Processing Technology</i> , 2001 , 113, 160-166	5.3	2
53	Tensile Properties of Si Nanowires with Faulted Stacking Layers. <i>Science of Advanced Materials</i> , 2014 , 6, 1489-1492	2.3	2
52	Mechanical Properties of Pumpkin		2
51	An Intuitive Multi-Touch Surface and Gesture Based Interaction for Video Surveillance Systems. <i>International Journal of Future Computer and Communication</i> , 2014 , 3, 197-201	4.6	2
50	Manufacturing of a parabolic trough concentrating collector test rig and a LASER-Screen technique for measuring actual focal length and light interceptance of the collector. <i>Procedia Manufacturing</i> , 2019 , 30, 404-410	1.5	1
49	Comprehensive Contribution of Filament Thickness and Crosslinker Failure to the Rheological Property of F-actin Cytoskeleton. <i>Cellular and Molecular Bioengineering</i> , 2015 , 8, 278-284	3.9	1
48	An Analytical Optimisation Framework for Airport Terminal Capacity Expansion. <i>Complexity</i> , 2020 , 2020, 1-10	1.6	1

47	Stress-Relaxation and Cyclic Behavior of Human Carotid Plaque Tissue. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 60	5.8	1
46	A Framework for Sharing Staff between Outbound and Inbound Airport Processes. <i>Mathematics</i> , 2020 , 8, 895	2.3	1
45	A Method of Three-Dimensional Thermo-Fluid Simulation of the Receiver of a Standard Parabolic Trough Collector. <i>Green Energy and Technology</i> , 2018 , 203-230	0.6	1
44	A method for optimal fit of patient-specific fracture fixation plates. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2016 , 230, 282-290	1.3	1
43	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 2637-2651	6.4	1
42	Multiview gait biometrics for human identity recognition 2014 ,		1
41	Measurement Studies on Superhydrophobic Materials. <i>Advanced Materials Research</i> , 2014 , 988, 134-142	0.5	1
40	Study of Structural Changes of Pumpkin Tissue before and after Mechanical Loading. <i>Applied Mechanics and Materials</i> , 2013 , 333-335, 1998-2003	0.3	1
39	Automatic Solder Joint Defect Classification using the Log-Gabor Filter. <i>Advanced Materials Research</i> , 2010 , 97-101, 2940-2943	0.5	1
38	2011 ,		1
37	Including airport duty-free shopping in arriving passenger simulation and the opportunities this presents 2011 ,		1
36	Microwave Curing of Non-Traditional Polymer Materials Used in Manufacture of Injection Moulds. <i>Advanced Materials Research</i> , 2011 , 338, 214-222	0.5	1
35	Influence of pre-existing surface defects on the vibrational properties of Ag nanowires 2012 ,		1
34	An advanced meshless technique for large deformation analysis of metal forming. <i>Australian Journal of Mechanical Engineering</i> , 2009 , 7, 25-32	1	1
33	Fuzzy modelling based estimation of short circuit severity in pulse gas metal arc welding. <i>Australian Journal of Mechanical Engineering</i> , 2009 , 7, 9-17	1	1
32	An effective multiscale approach for deformation analyses of carbon nanotube-based nanoswitches 2008 ,		1
31	Mechanical peeling of pumpkins. Part 2: Modeling of peeling process. <i>Journal of Food Engineering</i> , 2008 , 89, 453-459	6	1
30	A PDM-based Framework for Design to Manufacturing in Mold Making Industry - A Case Study of Business Process Integration. <i>Computer-Aided Design and Applications</i> , 2006 , 3, 211-220	1.4	1

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