

Muammer Koc

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190
papers

4,590
citations

35
h-index

60
g-index

203
ext. papers

5,941
ext. citations

5
avg, IF

6.8
L-index

#	Paper	IF	Citations
190	Hydrogen strategy as an energy transition and economic transformation avenue for natural gas exporting countries: Qatar as a case study. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 4977-5009	6.7	2
189	Urban Transportation Networks Resilience: Indicators, Disturbances, and Assessment Methods. <i>Sustainable Cities and Society</i> , 2022 , 76, 103452	10.1	6
188	Driving Factors of Economic Diversification in Resource-Rich Countries via Panel Data Evidence. <i>Sustainability</i> , 2022 , 14, 2797	3.6	1
187	Investigation on Human Development Needs, Challenges, and Drivers for Transition to Sustainable Development: The Case of Qatar. <i>Sustainability</i> , 2022 , 14, 3705	3.6	4
186	Women Entrepreneurship for Sustainability: Investigations on Status, Challenges, Drivers, and Potentials in Qatar. <i>Sustainability</i> , 2022 , 14, 4091	3.6	3
185	Perspectives and strategies for LNG expansion in Qatar: A SWOT analysis. <i>Resources Policy</i> , 2022 , 76, 102633	7.2	2
184	Computational Fluid Dynamics (CFD) Modeling of Falling Film Heat Transfer Over Horizontal Tube for Multi-effect Desalination (MED) Evaporator. <i>Advances in Science, Technology and Innovation</i> , 2022 , 233-240	0.3	
183	Heat Transfer Performance of Falling Film Evaporators Used in Multi-effect Desalination (MED) Plants. <i>Advances in Science, Technology and Innovation</i> , 2022 , 189-195	0.3	
182	Economic Viability of Rooftop Photovoltaic Systems and Energy Storage Systems in Qatar. <i>Energies</i> , 2022 , 15, 3040	3.1	0
181	Strategizing Human Development for a Country in Transition from a Resource-Based to a Knowledge-Based Economy. <i>Sustainability</i> , 2021 , 13, 13750	3.6	4
180	Education as a Critical Factor of Sustainability: Case Study in Qatar from the Teachers' Development Perspective. <i>Sustainability</i> , 2021 , 13, 11525	3.6	7
179	Fused Filament Fabrication Process: A Review of Numerical Simulation Techniques. <i>Polymers</i> , 2021 , 13,	4.5	4
178	Future LNG competition and trade using an agent-based predictive model. <i>Energy Strategy Reviews</i> , 2021 , 38, 100734	9.8	4
177	Towards sustainable financing models: A proof-of-concept for a waqf-based alternative financing model for renewable energy investments. <i>Borsa Istanbul Review</i> , 2021 , 21, S46-S46	3.1	7
176	Asking the Right Questions for Sustainable Development Goals: Performance Assessment Approaches for the Qatar Education System. <i>Sustainability</i> , 2021 , 13, 3883	3.6	6
175	Comparative techno-economic assessment of integrated PV-SOFC and PV-Battery hybrid system for natural gas processing plants. <i>Energy</i> , 2021 , 222, 119923	7.9	10
174	Philanthropic-crowdfunding-partnership: A proof-of-concept study for sustainable financing in low-carbon energy transitions. <i>Energy</i> , 2021 , 222, 119925	7.9	11

173	Sustainability assessment, potentials and challenges of 3D printed concrete structures: A systematic review for built environmental applications. <i>Journal of Cleaner Production</i> , 2021 , 303, 127027	10.3	11
172	Partnering for Sustainability: Parent-Teacher-School (PTS) Interactions in the Qatar Education System. <i>Sustainability</i> , 2021 , 13, 6639	3.6	6
171	Assessing the Impact of Water Efficiency Policies on Qatar's Electricity and Water Sectors. <i>Energies</i> , 2021 , 14, 4348	3.1	4
170	Knowledge Level, Motivators and Barriers of Blood Donation among Students at Qatar University. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	1
169	Influence of co-current vapor flow on falling film over horizontal tube. <i>International Journal of Thermal Sciences</i> , 2021 , 159, 106614	4.1	8
168	Additive manufacturing of biodegradable magnesium implants and scaffolds: Review of the recent advances and research trends. <i>Journal of Magnesium and Alloys</i> , 2021 , 9, 392-415	8.8	27
167	A comprehensive review on the state-of-the-art of piezoelectric energy harvesting. <i>Nano Energy</i> , 2021 , 80, 105567	17.1	136
166	The LNG trade between Qatar and East Asia: Potential impacts of unconventional energy resources on the LNG sector and Qatar's economic development goals. <i>Resources Policy</i> , 2021 , 70, 101886	7.2	5
165	Sustainability Assessment and Techno-Economic Analysis of Thermally Enhanced Polymer Tube for Multi-Effect Distillation (MED) Technology. <i>Polymers</i> , 2021 , 13,	4.5	8
164	Life Cycle Assessment for Integration of Solid Oxide Fuel Cells into Gas Processing Operations. <i>Energies</i> , 2021 , 14, 4668	3.1	4
163	Bioprinting: A review of processes, materials and applications. <i>Bioprinting</i> , 2021 , 23, e00148	7	16
162	Heat Transfer Coefficient Estimation of Falling Film for Horizontal Tube Multi-Effect Desalination Evaporator Using CFD. <i>International Journal of Thermofluids</i> , 2021 , 11, 100101	5.6	6
161	Additive manufacturing of polymer nanocomposites: Needs and challenges in materials, processes, and applications. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 910-941	5.5	19
160	Embedding Education for Sustainable Development (ESD) and SDGs values in curriculum: A comparative review on Qatar, Singapore and New Zealand. <i>Journal of Cleaner Production</i> , 2021 , 319, 128534	10.3	15
159	Vat photopolymerization of polymers and polymer composites: Processes and applications. <i>Additive Manufacturing</i> , 2021 , 47, 102279	6.1	7
158	Superparamagnetic nanoarchitectures: Multimodal functionalities and applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 538, 168300	2.8	5
157	Flare emission reduction utilizing solid oxide fuel cells at a natural gas processing plant. <i>Energy Reports</i> , 2021 , 7, 5627-5638	4.6	5
156	Electrochemical Modeling and Performance Assessment of H ₂ S/Air Solid Oxide Fuel Cell. <i>Energy Technology</i> , 2020 , 8, 2000531	3.5	1

155	Economic Growth, Public and Private Investment: A Comparative Study of China and the United States. <i>Sustainability</i> , 2020 , 12, 2243	3.6	5
154	Uniaxial and biaxial deformation characteristics of AA7075-O friction stir welded joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020 , 64, 1553-1564	1.9	1
153	Performance evaluation of self-cooling concentrating photovoltaics systems using nucleate boiling heat transfer. <i>Renewable Energy</i> , 2020 , 160, 1081-1095	8.1	9
152	Numerical optimization of warm hydromechanical deep drawing process parameters and its experimental verification. <i>Journal of Manufacturing Processes</i> , 2020 , 57, 344-353	5	6
151	Additive manufacturing: Technology, applications, markets, and opportunities for the built environment. <i>Automation in Construction</i> , 2020 , 118, 103268	9.6	39
150	Evaluation of particulate matter emissions from non-passenger diesel vehicles in Qatar. <i>Journal of the Air and Waste Management Association</i> , 2020 , 70, 228-242	2.4	16
149	UV Index Forecasting under the Influence of Desert Dust: Evaluation against Surface and Satellite-Retrieved Data. <i>Atmosphere</i> , 2020 , 11, 96	2.7	10
148	Modeling and understanding the impacts of efficiency measures on fleet fuel consumption in vehicle importing countries: A case study of Qatar. <i>Journal of Cleaner Production</i> , 2020 , 259, 120619	10.3	7
147	CFD Analysis of Falling Film Hydrodynamics for a Lithium Bromide (LiBr) Solution over a Horizontal Tube. <i>Energies</i> , 2020 , 13, 307	3.1	11
146	Introduction to Industry, University, and Government Partnerships: Theoretical Model. <i>Management and Industrial Engineering</i> , 2020 , 1-7	0.2	1
145	Case Study: Singapore. <i>Management and Industrial Engineering</i> , 2020 , 53-69	0.2	
144	Comparison Between the IUGP Settings and Global Innovation Index of Qatar, United States, Norway, and Singapore. <i>Management and Industrial Engineering</i> , 2020 , 107-131	0.2	
143	Case Study: Qatar. <i>Management and Industrial Engineering</i> , 2020 , 71-106	0.2	1
142	Case Study: Norway. <i>Management and Industrial Engineering</i> , 2020 , 35-52	0.2	
141	A Survey on the Current Status and Future of IUGPs in Qatar: Challenges, Opportunities, and Recommendations. <i>Management and Industrial Engineering</i> , 2020 , 133-175	0.2	
140	Case Study: United States of America. <i>Management and Industrial Engineering</i> , 2020 , 9-33	0.2	
139	Integration of Solid Oxide Fuel Cells into oil and gas operations: needs, opportunities, and challenges. <i>Journal of Cleaner Production</i> , 2020 , 245, 118924	10.3	31
138	Impact of surface tension and viscosity on falling film thickness in multi-effect desalination (MED) horizontal tube evaporator. <i>International Journal of Thermal Sciences</i> , 2020 , 150, 106235	4.1	16

137	Design, synthesis, and characterization of hybrid micro-nano surface coatings for enhanced heat transfer applications. <i>International Journal of Energy Research</i> , 2020 , 44, 12525-12534	4.5	3
136	Utilization of Banana Fiber-Reinforced Hybrid Composites in the Sports Industry. <i>Materials</i> , 2020 , 13,	3.5	27
135	Boiling Heat Transfer Enhancement by Self-Assembled Graphene/Silver Hybrid Film for the Thermal Management of Concentrated Photovoltaics. <i>Energy Technology</i> , 2020 , 8, 2000532	3.5	4
134	Measuring efficiency levels in Qatari organizations and causes of inefficiencies. <i>International Journal of Engineering Business Management</i> , 2020 , 12, 184797902097082	1.9	1
133	Design and analysis of a multigeneration system with concentrating photovoltaic thermal (CPV/T) and hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 3484-3498	6.7	37
132	Entrepreneurship in a Transformative and Resource-Rich State: <i>The Extractive Industries and Society</i> , 2020 ,	3.2	8
131	Exploring Organizational Sustainability: Themes, Functional Areas, and Best Practices. <i>Sustainability</i> , 2019 , 11, 4307	3.6	22
130	Demand side management opportunities, framework, and implications for sustainable development in resource-rich countries: Case study Qatar. <i>Journal of Cleaner Production</i> , 2019 , 241, 118332	10.3	26
129	Aerosol Optical Thickness over Large Urban Environments of the Arabian Peninsula: Speciation, Variability, and Distributions. <i>Atmosphere</i> , 2019 , 10, 228	2.7	11
128	Assessment of Various Dry Photovoltaic Cleaning Techniques and Frequencies on the Power Output of CdTe-Type Modules in Dusty Environments. <i>Sustainability</i> , 2019 , 11, 2850	3.6	29
127	Economic Diversification Potential in the Rentier States Towards for a Sustainable Development: A Theoretical Model. <i>Sustainability</i> , 2019 , 11, 911	3.6	12
126	Role of energy efficiency policies on energy consumption and CO2 emissions for building stock in Qatar. <i>Journal of Cleaner Production</i> , 2019 , 235, 1409-1424	10.3	30
125	Sustainability in Higher Education: The Impact of Transformational Leadership on Followers' Innovative Outcomes A Framework Proposal. <i>World Sustainability Series</i> , 2019 , 227-243	0.6	1
124	Sustainable Financing for Sustainable Development: Agent-Based Modeling of Alternative Financing Models for Clean Energy Investments. <i>Sustainability</i> , 2019 , 11, 1967	3.6	7
123	Public and private investment in the hydrocarbon-based rentier economies: A case study for the GCC countries. <i>Resources Policy</i> , 2019 , 62, 165-175	7.2	10
122	Design, synthesis and nucleate boiling performance assessment of hybrid micro-nano porous surfaces for thermal management of concentrated photovoltaics (CPV). <i>Energy Conversion and Management</i> , 2019 , 195, 1056-1066	10.6	26
121	A Levelized Cost Analysis for Solar-Energy-Powered Sea Water Desalination in The Emirate of Abu Dhabi. <i>Sustainability</i> , 2019 , 11, 1691	3.6	18
120	Over-Agglomeration and its Effects on Sustainable Development: A Case Study on Istanbul. <i>Sustainability</i> , 2019 , 11, 135	3.6	7

119	Design and analysis of an integrated concentrated solar and wind energy system with storage. <i>International Journal of Energy Research</i> , 2019 , 43, 3263-3283	4.5	22
118	Development and performance assessment of a new integrated solar, wind, and osmotic power system for multigeneration, based on thermodynamic principles. <i>Energy Conversion and Management</i> , 2019 , 188, 94-111	10.6	52
117	Revaluating the costs and benefits of energy efficiency: A systematic review. <i>Energy Research and Social Science</i> , 2019 , 54, 68-84	7.7	24
116	Review of MicroNanoscale Surface Coatings Application for Sustaining Dropwise Condensation. <i>Coatings</i> , 2019 , 9, 117	2.9	24
115	Amelioration of the pool boiling heat transfer performance by colloidal dispersions of carbon black. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 137, 599-608	4.9	19
114	Experimental investigations on PV cleaning of large-scale solar power plants in desert climates: Comparison of cleaning techniques for drone retrofitting. <i>Energy Conversion and Management</i> , 2019 , 185, 800-815	10.6	32
113	Impact assessment of supply-side and demand-side policies on energy consumption and CO2 emissions from urban passenger transportation: The case of Istanbul. <i>Journal of Cleaner Production</i> , 2019 , 219, 391-410	10.3	26
112	Hydroforming 2019 , 15-45		
111	Warm Hydroforming 2019 , 219-238		
110	Urban Sustainability and Livability: An Analysis of Doha's Urban-form and Possible Mitigation Strategies. <i>Sustainability</i> , 2019 , 11, 786	3.6	15
109	Micromanufacturing 2019 , 149-184		1
108	Transformational Leadership, Systems, and Intrinsic Motivation Impacts on Innovation in Higher Education Institutes: Faculty Perspectives in Engineering Colleges. <i>Sustainability</i> , 2019 , 11, 4072	3.6	9
107	A Review on Integrated Information System and Sustainability Implementation Framework in Higher Education. <i>World Sustainability Series</i> , 2019 , 21-29	0.6	
106	Amelioration of the pool boiling heat transfer performance via self-assembling of 3D porous graphene/carbon nanotube hybrid film over the heating surface. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 145, 118732	4.9	18
105	Hot Stamping 2019 , 239-264		
104	Formability of Ultrasonically Additive Manufactured Ti-Al Thin Foil Laminates. <i>Materials</i> , 2019 , 12,	3.5	3
103	Techno-economic and environmental assessment of integrating SOFC with a conventional steam and power system in a natural gas processing plant. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 29604-29617	6.7	16
102	Building Stock Inertia and Impacts on Energy Consumption and CO2 Emissions in Qatar 2019 ,		3

101	Design, fabrication and nucleate pool-boiling heat transfer performance of hybrid micro-nano scale 2-D modulated porous surfaces. <i>Applied Thermal Engineering</i> , 2019 , 153, 168-180	5.8	24
100	Dimensional capability of selected 3DP technologies. <i>Rapid Prototyping Journal</i> , 2019 , 25, 915-924	3.8	8
99	Toward Knowledge-Based Economy: Innovation and Transformational Leadership in Public Universities in Texas and Qatar. <i>Sustainability</i> , 2019 , 11, 6721	3.6	3
98	High-Resolution Household Load Profiling and Evaluation of Rooftop PV Systems in Selected Houses in Qatar. <i>Energies</i> , 2019 , 12, 3876	3.1	16
97	Warm Stamping 2019 , 185-218		
96	Sustainability in Mega-Events: Beyond Qatar 2022. <i>Sustainability</i> , 2019 , 11, 6407	3.6	22
95	Comparative Review and Analysis of Organizational (In)Efficiency Indicators in Qatar. <i>Sustainability</i> , 2019 , 11, 6566	3.6	1
94	A review of climate change implications for built environment: Impacts, mitigation measures and associated challenges in developed and developing countries. <i>Journal of Cleaner Production</i> , 2019 , 211, 83-102	10.3	52
93	A Review on the Corrosion Behaviour of Nanocoatings on Metallic Substrates. <i>Materials</i> , 2019 , 12,	3.5	45
92	Oxidative acid treatment of carbon nanotubes. <i>Surfaces and Interfaces</i> , 2019 , 14, 1-8	4.1	38
91	A comprehensive review on synthesis, stability, thermophysical properties, and characterization of nanofluids. <i>Powder Technology</i> , 2019 , 344, 404-431	5.2	156
90	Generation, analysis, and applications of high resolution electricity load profiles in Qatar. <i>Journal of Cleaner Production</i> , 2018 , 183, 527-543	10.3	23
89	Review of magnesium-based biomaterials and their applications. <i>Journal of Magnesium and Alloys</i> , 2018 , 6, 23-43	8.8	277
88	Development of a systematic framework for sustainability management of organizations. <i>Journal of Cleaner Production</i> , 2018 , 171, 1255-1274	10.3	50
87	On the Formability of Ultrasonic Additive Manufactured Al-Ti Laminated Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018 , 49, 5051-5064	2.3	10
86	A review on the direct effect of particulate atmospheric pollution on materials and its mitigation for sustainable cities and societies. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 27839-27857 ^{5.1}		24
85	High-resolution electricity load profiles of selected houses in Qatar 2018 ,		6
84	Investigations on Deposited Dust Fallout in Urban Doha: Characterization, Source Apportionment and Mitigation. <i>Environment and Ecology Research</i> , 2018 , 6, 493-506	1	15

83	CFD ANALYSIS OF SPRAY NOZZLE ARRANGEMENTS FOR MULTI EFFECT DESALINATION EVAPORATOR 2018 ,		6
82	The Economic Value of Common Urban Trees in the State of Qatar from an Air Quality Control Perspective. <i>Journal of Environmental Science and Pollution Research</i> , 2018 , 4, 285-288	0.8	2
81	Smart Technology Impact on Neighborhood Form for a Sustainable Doha. <i>Sustainability</i> , 2018 , 10, 4764	3.6	16
80	Wear resistance evaluation of hard-coatings for sheet blanking die. <i>Procedia Manufacturing</i> , 2018 , 15, 590-596	1.5	7
79	Micro-Nano Scale Surface Coating for Nucleate Boiling Heat Transfer: A Critical Review. <i>Energies</i> , 2018 , 11, 3189	3.1	38
78	Sustainable Financing for Sustainable Development: Understanding the Interrelations between Public Investment and Sovereign Debt. <i>Sustainability</i> , 2018 , 10, 3901	3.6	11
77	Stabilization of the aqueous dispersion of carbon nanotubes using different approaches. <i>Thermal Science and Engineering Progress</i> , 2018 , 8, 411-417	3.6	25
76	Determination of optimal loading profiles in hydromechanical deep drawing process using integrated adaptive finite element analysis and fuzzy control approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 88, 2443-2459	3.2	10
75	Travel Demand Management (TDM) case study for social behavioral change towards sustainable urban transportation in Istanbul. <i>Cities</i> , 2017 , 69, 20-35	5.6	19
74	Corrigendum to [Critical Review on Nanofluids: Preparation, Characterization, and Applications] <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-1	3.2	
73	Quantifying the Cost of Cooling in Qatar 2017 ,		4
72	Demand side management for peak reduction and PV integration in Qatar 2017 ,		9
71	Direct load control of air conditioners in Qatar: An empirical study 2017 ,		8
70	Design, Fabrication, and Experimental Validation of a Warm Hydroforming Test System. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2016 , 138,	3.3	7
69	Experimental and numerical investigations for mechanical and microstructural characterization of micro-manufactured AZ91D magnesium alloy disks for biomedical applications. <i>Materials and Design</i> , 2016 , 93, 397-408	8.1	18
68	Critical Review on Nanofluids: Preparation, Characterization, and Applications. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-22	3.2	73
67	Mechanical, electrochemical and biocompatibility evaluation of AZ91D magnesium alloy as a biomaterial. <i>Journal of Alloys and Compounds</i> , 2016 , 687, 906-919	5.7	31
66	A Comparative Assessment of Turkey for Its Status and Readiness for Knowledge Society from Human Capital Perspective. <i>Procedia, Social and Behavioral Sciences</i> , 2015 , 195, 1-9		2

65	Effect of manufacturing process sequence on the corrosion resistance characteristics of coated metallic bipolar plates. <i>Journal of Power Sources</i> , 2014 , 246, 788-799	8.9	16
64	Investigation of the effects of process sequence on the contact resistance characteristics of coated metallic bipolar plates for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2013 , 243, 925-934	8.9	21
63	Investigations on the Effect of Coating Material and Method on Die Wear in Stamping of Advanced High Strength Steels 2013 ,		1
62	Die wear in stamping of advanced high strength steels Investigations on the effects of substrate material and hard-coatings. <i>Tribology International</i> , 2012 , 52, 50-60	4.9	49
61	Contact resistance characteristics of coated metallic bipolar plates for PEM fuel cells investigations on the effect of manufacturing. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 18187-18204 ³¹	6.7	31
60	The Effect of Temperature and Strain-Rate Sensitivity on Formability of AA 5754. <i>Applied Mechanics and Materials</i> , 2012 , 217-219, 1596-1601	0.3	6
59	Experimental Investigations into the Deformation Behavior of Thixo-Molded Mg AZ61L Sheet Alloy 2012 , 413-418		
58	Fundamentals of Micro-Manufacturing 2011 , 1-23		5
57	Effect of manufacturing processes on contact resistance characteristics of metallic bipolar plates in PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 12370-12380	6.7	49
56	Investigations on the variation of corrosion and contact resistance characteristics of metallic bipolar plates manufactured under long-run conditions. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 15427-15436	6.7	25
55	Forming characteristics of austenitic stainless steel sheet alloys under warm hydroforming conditions. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 56, 97-113	3.2	10
54	Effect of manufacturing conditions on the corrosion resistance behavior of metallic bipolar plates in proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 1235-1241	8.9	22
53	Experimental investigations on the corrosion resistance characteristics of coated metallic bipolar plates for PEMFC. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 7162-7173	6.7	32
52	An experimental study on the comparative assessment of hydraulic bulge test analysis methods. <i>Materials & Design</i> , 2011 , 32, 272-281		91
51	Comparative investigations on numerical modeling for warm hydroforming of AA5754-O aluminum sheet alloy. <i>Materials & Design</i> , 2011 , 32, 2650-2662		21
50	Micro-Forming 2011 , 275-299		2
49	An Experimental Study on Robustness and Process Capability of the Warm Hydroforming Process. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2011 , 133,	3.3	15
48	Parametric Investigation of Circular and Elliptical Bulge Tests in Warm Hydroforming Process for AA5754-O Sheet. <i>Key Engineering Materials</i> , 2011 , 473, 594-601	0.4	3

47	Microscale-modulated porous coatings: fabrication and pool-boiling heat transfer performance. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 035020	2	17
46	Corrosion resistance characteristics of stamped and hydroformed proton exchange membrane fuel cell metallic bipolar plates. <i>Journal of Power Sources</i> , 2010 , 195, 3546-3552	8.9	61
45	Effect of manufacturing processes on formability and surface topography of proton exchange membrane fuel cell metallic bipolar plates. <i>Journal of Power Sources</i> , 2010 , 195, 5269-5277	8.9	114
44	Pressure Welding of Thin Sheet Metals: Experimental Investigations and Analytical Modeling. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2009 , 131,	3.3	9
43	PEMFC Metallic Bipolar Plates: Effect of Manufacturing Method on Corrosion Resistance. <i>ECS Transactions</i> , 2009 , 25, 1773-1782	1	10
42	Wear performance assessment of alternative stamping die materials utilizing a novel test system. <i>Wear</i> , 2009 , 267, 1123-1129	3.5	28
41	2-D and 3-D modulated porous coatings for enhanced pool boiling. <i>International Journal of Heat and Mass Transfer</i> , 2009 , 52, 2607-2613	4.9	79
40	Experimental investigations on wear resistance characteristics of alternative die materials for stamping of advanced high-strength steels (AHSS). <i>International Journal of Machine Tools and Manufacture</i> , 2009 , 49, 897-905	9.4	47
39	Micro-manufacturing of micro-scale porous surface structures for enhanced heat transfer applications: an experimental process optimization study. <i>Journal of Micromechanics and Microengineering</i> , 2009 , 19, 045011	2	20
38	Experimental and Numerical Investigations on Microcoining of Stainless Steel 304. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008 , 130,	3.3	26
37	A Study on Warm Hydroforming of Al and Mg Sheet Materials: Mechanism and Proper Temperature Conditions. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008 , 130,	3.3	8
36	Experimental Investigation of Springback Variation in Forming of High Strength Steels. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008 , 130,	3.3	19
35	Fabrication of micro-channel arrays on thin metallic sheet using internal fluid pressure: Investigations on size effects and development of design guidelines. <i>Journal of Power Sources</i> , 2008 , 175, 363-371	8.9	54
34	Investigations on thermo-mechanical fabrication of micro-scale porous surface features. <i>Journal of Power Sources</i> , 2008 , 179, 592-602	8.9	6
33	Development of an analytical model for warm deep drawing of aluminum alloys. <i>Journal of Materials Processing Technology</i> , 2008 , 197, 393-407	5.3	23
32	Numerical investigations on springback characteristics of aluminum sheet metal alloys in warm forming conditions. <i>Journal of Materials Processing Technology</i> , 2008 , 204, 370-383	5.3	65
31	Investigation of size effects on material behavior of thin sheet metals using hydraulic bulge testing at micro/meso-scales. <i>International Journal of Machine Tools and Manufacture</i> , 2008 , 48, 1014-1029	9.4	111
30	Hydroforming for advanced manufacturing 2008 ,		16

29	Feasibility investigations on a novel micro-manufacturing process for fabrication of fuel cell bipolar plates: Internal pressure-assisted embossing of micro-channels with in-die mechanical bonding. <i>Journal of Power Sources</i> , 2007 , 172, 725-733	8.9	81
28	Determination of optimal loading profiles in warm hydroforming of lightweight materials. <i>Journal of Materials Processing Technology</i> , 2007 , 190, 230-242	5.3	36
27	Simulation of springback variation in forming of advanced high strength steels. <i>Journal of Materials Processing Technology</i> , 2007 , 190, 189-198	5.3	102
26	A hybrid multi-fidelity approach to the optimal design of warm forming processes using a knowledge-based artificial neural network. <i>International Journal of Machine Tools and Manufacture</i> , 2007 , 47, 211-222	9.4	25
25	A study on the analytical modeling for warm hydro-mechanical deep drawing of lightweight materials. <i>International Journal of Machine Tools and Manufacture</i> , 2007 , 47, 1752-1766	9.4	37
24	Modeling of Size Effects on the Flow Stress of Type 304 Stainless Steel and Application in Coining Process 2007 , 25		
23	Modeling of the Size Effects on the Behavior of Metals in Microscale Deformation Processes. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 470-476	3.3	98
22	Modeling of the Semi-Solid Material Behavior and Analysis of Micro-/Mesoscale Feature Forming. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 237-245	3.3	9
21	Finite Element Modeling and Analysis of Warm Forming of Aluminum Alloys Validation Through Comparisons With Experiments and Determination of a Failure Criterion. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2006 , 128, 613-621	3.3	41
20	Determination of Proper Temperature Distribution for Warm Forming of Aluminum Sheet Materials. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2006 , 128, 622-633	3.3	14
19	Design and feasibility tests of a flexible gripper based on inflatable rubber pockets. <i>International Journal of Machine Tools and Manufacture</i> , 2006 , 46, 1350-1361	9.4	67
18	Prediction of residual stresses in quenched aluminum blocks and their reduction through cold working processes. <i>Journal of Materials Processing Technology</i> , 2006 , 174, 342-354	5.3	113
17	A prognostic algorithm for machine performance assessment and its application. <i>Production Planning and Control</i> , 2004 , 15, 796-801	4.3	146
16	Investigation of the effect of loading path and variation in material properties on robustness of the tube hydroforming process. <i>Journal of Materials Processing Technology</i> , 2003 , 133, 276-281	5.3	21
15	Design and finite element analysis of innovative tooling elements (stress pins) to prolong die life and improve dimensional tolerances in precision forming processes. <i>Journal of Materials Processing Technology</i> , 2003 , 142, 773-785	5.3	16
14	Prediction of forming limits and parameters in the tube hydroforming process. <i>International Journal of Machine Tools and Manufacture</i> , 2002 , 42, 123-138	9.4	127
13	Application of two dimensional (2D) FEA for the tube hydroforming process. <i>International Journal of Machine Tools and Manufacture</i> , 2002 , 42, 1285-1295	9.4	23
12	On the characteristics of tubular materials for hydroforming experimentation and analysis. <i>International Journal of Machine Tools and Manufacture</i> , 2001 , 41, 761-772	9.4	90

11	An overall review of the tube hydroforming (THF) technology. <i>Journal of Materials Processing Technology</i> , 2001 , 108, 384-393	5.3	191
10	The use of FEA and design of experiments to establish design guidelines for simple hydroformed parts. <i>International Journal of Machine Tools and Manufacture</i> , 2000 , 40, 2249-2266	9.4	69
9	Application of the finite element method to predict material flow and defects in the semi-solid forging of A356 aluminum alloys. <i>Journal of Materials Processing Technology</i> , 1996 , 59, 106-112	5.3	18
8	Social media for sustainability education: gaining knowledge and skills into actions for sustainable living. <i>International Journal of Sustainable Development and World Ecology</i> , 1-17	3.8	3
7	Technoeconomic analysis of tri hybrid reverse osmosis-forward osmosis-multi stage flash desalination process 98, 1-15		7
6	Review on CFD analysis of horizontal falling film evaporators in multi effect desalination plants 166, 296-320		21
5	Microscopic analysis on dimensional capability of fused filament fabrication three-dimensional printing process. <i>Journal of Elastomers and Plastics</i> , 009524432110472	1.6	0
4	Experimental Investigations into the Deformation Behavior of Thixo-Molded Mg AZ61L Sheet Alloy 413-418		
3	Modelling of Size Effects on Behavior of Thin Sheet Metals for Bipolar Plate Manufacturing 745-752		
2	Urban Infrastructure Resilience Assessment During Mega Sport Events Using a Multi-Criteria Approach. <i>Frontiers in Sustainability</i> , 2,	2.1	4
1	Performance assessment in education for sustainable development: A case study of the Qatar education system. <i>Prospects</i> , 1	4.8	3