

Muammer Koc

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/738593/publications.pdf>

Version: 2024-02-01

190
papers

7,534
citations

57719

44
h-index

71651

76
g-index

203
all docs

203
docs citations

203
times ranked

5423
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on the state-of-the-art of piezoelectric energy harvesting. Nano Energy, 2021, 80, 105567.	8.2	563
2	Review of magnesium-based biomaterials and their applications. Journal of Magnesium and Alloys, 2018, 6, 23-43.	5.5	478
3	A comprehensive review on synthesis, stability, thermophysical properties, and characterization of nanofluids. Powder Technology, 2019, 344, 404-431.	2.1	240
4	An overall review of the tube hydroforming (THF) technology. Journal of Materials Processing Technology, 2001, 108, 384-393.	3.1	231
5	A prognostic algorithm for machine performance assessment and its application. Production Planning and Control, 2004, 15, 796-801.	5.8	190
6	Effect of manufacturing processes on formability and surface topography of proton exchange membrane fuel cell metallic bipolar plates. Journal of Power Sources, 2010, 195, 5269-5277.	4.0	143
7	Prediction of forming limits and parameters in the tube hydroforming process. International Journal of Machine Tools and Manufacture, 2002, 42, 123-138.	6.2	142
8	Prediction of residual stresses in quenched aluminum blocks and their reduction through cold working processes. Journal of Materials Processing Technology, 2006, 174, 342-354.	3.1	142
9	Investigation of size effects on material behavior of thin sheet metals using hydraulic bulge testing at micro/meso-scales. International Journal of Machine Tools and Manufacture, 2008, 48, 1014-1029.	6.2	130
10	Simulation of springback variation in forming of advanced high strength steels. Journal of Materials Processing Technology, 2007, 190, 189-198.	3.1	117
11	Additive manufacturing: Technology, applications, markets, and opportunities for the built environment. Automation in Construction, 2020, 118, 103268.	4.8	112
12	Modeling of the Size Effects on the Behavior of Metals in Microscale Deformation Processes. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2007, 129, 470-476.	1.3	111
13	An experimental study on the comparative assessment of hydraulic bulge test analysis methods. Materials & Design, 2011, 32, 272-281.	5.1	110
14	A Review on the Corrosion Behaviour of Nanocoatings on Metallic Substrates. Materials, 2019, 12, 210.	1.3	104
15	On the characteristics of tubular materials for hydroforming experimentation and analysis. International Journal of Machine Tools and Manufacture, 2001, 41, 761-772.	6.2	99
16	Critical Review on Nanofluids: Preparation, Characterization, and Applications. Journal of Nanomaterials, 2016, 2016, 1-22.	1.5	99
17	A review of climate change implications for built environment: Impacts, mitigation measures and associated challenges in developed and developing countries. Journal of Cleaner Production, 2019, 211, 83-102.	4.6	97
18	2-D and 3-D modulated porous coatings for enhanced pool boiling. International Journal of Heat and Mass Transfer, 2009, 52, 2607-2613.	2.5	95

#	ARTICLE	IF	CITATIONS
19	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.	2.6	95
20	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.	4.0	94
21	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.	5.5	94
22	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.	6.2	83
23	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.	6.2	80
24	Oxidative acid treatment of carbon nanotubes. <i>Surfaces and Interfaces</i> , 2019, 14, 1-8.	1.5	80
25	Development of a systematic framework for sustainability management of organizations. <i>Journal of Cleaner Production</i> , 2018, 171, 1255-1274.	4.6	76
26	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.	4.0	74
27	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.	4.4	74
28	Urban Transportation Networks Resilience: Indicators, Disturbances, and Assessment Methods. <i>Sustainable Cities and Society</i> , 2022, 76, 103452.	5.1	73
29	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.	3.1	71
30	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.	4.4	69
31	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.	4.6	67
32	Vat photopolymerization of polymers and polymer composites: Processes and applications. <i>Additive Manufacturing</i> , 2021, 47, 102279.	1.7	65
33	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.	4.0	63
34	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.	3.0	60
35	Utilization of Banana Fiber-Reinforced Hybrid Composites in the Sports Industry. <i>Materials</i> , 2020, 13, 3167.	1.3	57
36	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.	6.2	56

#	ARTICLE	IF	CITATIONS
37	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.	3.8	56
38	Micro-Nano Scale Surface Coating for Nucleate Boiling Heat Transfer: A Critical Review. <i>Energies</i> , 2018, 11, 3189.	1.6	53
39	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.	1.6	52
40	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.	4.6	52
41	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.	4.6	51
42	Mechanical, electrochemical and biocompatibility evaluation of AZ91D magnesium alloy as a biomaterial. <i>Journal of Alloys and Compounds</i> , 2016, 687, 906-919.	2.8	49
43	Sustainability in Mega-Events: Beyond Qatar 2022. <i>Sustainability</i> , 2019, 11, 6407.	1.6	48
44	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.	3.8	48
45	Bioprinting: A review of processes, materials and applications. <i>Bioprinting</i> , 2021, 23, e00148.	2.9	48
46	Fused Filament Fabrication Process: A Review of Numerical Simulation Techniques. <i>Polymers</i> , 2021, 13, 3534.	2.0	47
47	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.	1.3	46
48	Generation, analysis, and applications of high resolution electricity load profiles in Qatar. <i>Journal of Cleaner Production</i> , 2018, 183, 527-543.	4.6	46
49	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.	3.8	46
50	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.	4.4	44
51	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.	2.2	44
52	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.	4.6	43
53	Revaluing the costs and benefits of energy efficiency: A systematic review. <i>Energy Research and Social Science</i> , 2019, 54, 68-84.	3.0	41
54	Integration of Solid Oxide Fuel Cells into oil and gas operations: needs, opportunities, and challenges. <i>Journal of Cleaner Production</i> , 2020, 245, 118924.	4.6	41

#	ARTICLE	IF	CITATIONS
55	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.	3.0	39
56	Determination of optimal loading profiles in warm hydroforming of lightweight materials. <i>Journal of Materials Processing Technology</i> , 2007, 190, 230-242.	3.1	38
57	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.	6.2	38
58	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.	3.8	37
59	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.	2.7	37
60	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.	4.6	37
61	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.	3.8	36
62	Stabilization of the aqueous dispersion of carbon nanotubes using different approaches. <i>Thermal Science and Engineering Progress</i> , 2018, 8, 411-417.	1.3	35
63	Exploring Organizational Sustainability: Themes, Functional Areas, and Best Practices. <i>Sustainability</i> , 2019, 11, 4307.	1.6	35
64	A Levelized Cost Analysis for Solar-Energy-Powered Sea Water Desalination in The Emirate of Abu Dhabi. <i>Sustainability</i> , 2019, 11, 1691.	1.6	35
65	Comparative techno-economic assessment of integrated PV-SOFC and PV-Battery hybrid system for natural gas processing plants. <i>Energy</i> , 2021, 222, 119923.	4.5	35
66	Enhanced sunlight-absorption of Fe ₂ O ₃ covered by PANI for the photodegradation of organic pollutants and antimicrobial inactivation. <i>Advanced Powder Technology</i> , 2022, 33, 103708.	2.0	35
67	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.	3.8	34
68	Wear performance assessment of alternative stamping die materials utilizing a novel test system. <i>Wear</i> , 2009, 267, 1123-1129.	1.5	33
69	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.	2.5	33
70	Review of Micro-Nanoscale Surface Coatings Application for Sustaining Dropwise Condensation. <i>Coatings</i> , 2019, 9, 117.	1.2	33
71	High-Resolution Household Load Profiling and Evaluation of Rooftop PV Systems in Selected Houses in Qatar. <i>Energies</i> , 2019, 12, 3876.	1.6	33
72	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.	2.6	32

#	ARTICLE	IF	CITATIONS
73	Review on CFD analysis of horizontal falling film evaporators in multi effect desalination plants. , 0, 166, 296-320.		32
74	Travel Demand Management (TDM) case study for social behavioral change towards sustainable urban transportation in Istanbul. Cities, 2017, 69, 20-35.	2.7	31
75	Techno-economic and environmental assessment of integrating SOFC with a conventional steam and power system in a natural gas processing plant. International Journal of Hydrogen Energy, 2019, 44, 29604-29617.	3.8	31
76	A hybrid multi-fidelity approach to the optimal design of warm forming processes using a knowledge-based artificial neural network. International Journal of Machine Tools and Manufacture, 2007, 47, 211-222.	6.2	30
77	Evaluation of particulate matter emissions from non-passenger diesel vehicles in Qatar. Journal of the Air and Waste Management Association, 2020, 70, 228-242.	0.9	30
78	Experimental and Numerical Investigations on Microcoining of Stainless Steel 304. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	1.3	29
79	Application of two dimensional (2D) FEA for the tube hydroforming process. International Journal of Machine Tools and Manufacture, 2002, 42, 1285-1295.	6.2	27
80	Development of an analytical model for warm deep drawing of aluminum alloys. Journal of Materials Processing Technology, 2008, 197, 393-407.	3.1	26
81	Microscale-modulated porous coatings: fabrication and pool-boiling heat transfer performance. Journal of Micromechanics and Microengineering, 2010, 20, 035020.	1.5	25
82	Experimental and numerical investigations for mechanical and microstructural characterization of micro-manufactured AZ91D magnesium alloy disks for biomedical applications. Materials and Design, 2016, 93, 397-408.	3.3	25
83	Application of the finite element method to predict material flow and defects in the semi-solid forging of A356 aluminum alloys. Journal of Materials Processing Technology, 1996, 59, 106-112.	3.1	24
84	Investigation of the effect of loading path and variation in material properties on robustness of the tube hydroforming process. Journal of Materials Processing Technology, 2003, 133, 276-281.	3.1	24
85	Micro-manufacturing of micro-scale porous surface structures for enhanced heat transfer applications: an experimental process optimization study. Journal of Micromechanics and Microengineering, 2009, 19, 045011.	1.5	24
86	Effect of manufacturing conditions on the corrosion resistance behavior of metallic bipolar plates in proton exchange membrane fuel cells. Journal of Power Sources, 2011, 196, 1235-1241.	4.0	24
87	Comparative investigations on numerical modeling for warm hydroforming of AA5754-O aluminum sheet alloy. Materials & Design, 2011, 32, 2650-2662.	5.1	24
88	Investigation of the effects of process sequence on the contact resistance characteristics of coated metallic bipolar plates for polymer electrolyte membrane fuel cells. Journal of Power Sources, 2013, 243, 925-934.	4.0	24
89	Urban Sustainability and Livability: An Analysis of Doha's Urban-form and Possible Mitigation Strategies. Sustainability, 2019, 11, 786.	1.6	24
90	Experimental Investigation of Springback Variation in Forming of High Strength Steels. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	1.3	23

#	ARTICLE	IF	CITATIONS
91	Women Entrepreneurship for Sustainability: Investigations on Status, Challenges, Drivers, and Potentials in Qatar. <i>Sustainability</i> , 2022, 14, 4091.	1.6	23
92	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.	2.5	22
93	Philanthropic-crowdfunding-partnership: A proof-of-concept study for sustainable financing in low-carbon energy transitions. <i>Energy</i> , 2021, 222, 119925.	4.5	22
94	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.	4.0	21
95	Smart Technology Impact on Neighborhood Form for a Sustainable Doha. <i>Sustainability</i> , 2018, 10, 4764.	1.6	21
96	Transformational Leadership, Systems, and Intrinsic Motivation Impacts on Innovation in Higher Education Institutes: Faculty Perspectives in Engineering Colleges. <i>Sustainability</i> , 2019, 11, 4072.	1.6	21
97	Life Cycle Assessment for Integration of Solid Oxide Fuel Cells into Gas Processing Operations. <i>Energies</i> , 2021, 14, 4668.	1.6	21
98	Aerosol Optical Thickness over Large Urban Environments of the Arabian Peninsula: Speciation, Variability, and Distributions. <i>Atmosphere</i> , 2019, 10, 228.	1.0	20
99	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.	4.2	20
100	Dimensional capability of selected 3DP technologies. <i>Rapid Prototyping Journal</i> , 2019, 25, 915-924.	1.6	20
101	Superparamagnetic nanoarchitectures: Multimodal functionalities and applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 538, 168300.	1.0	20
102	Education as a Critical Factor of Sustainability: Case Study in Qatar from the Teachers' Development Perspective. <i>Sustainability</i> , 2021, 13, 11525.	1.6	20
103	Performance evaluation of self-cooling concentrating photovoltaics systems using nucleate boiling heat transfer. <i>Renewable Energy</i> , 2020, 160, 1081-1095.	4.3	19
104	Investigations on Deposited Dust Fallout in Urban Doha: Characterization, Source Apportionment and Mitigation. <i>Environment and Ecology Research</i> , 2018, 6, 493-506.	0.1	19
105	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.	3.1	18
106	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, .	1.3	18
107	Economic Diversification Potential in the Rentier States Towards for a Sustainable Development: A Theoretical Model. <i>Sustainability</i> , 2019, 11, 911.	1.6	18
108	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.	4.2	18

#	ARTICLE	IF	CITATIONS
109	CFD Analysis of Falling Film Hydrodynamics for a Lithium Bromide (LiBr) Solution over a Horizontal Tube. <i>Energies</i> , 2020, 13, 307.	1.6	17
110	Sustainability Assessment and Techno-Economic Analysis of Thermally Enhanced Polymer Tube for Multi-Effect Distillation (MED) Technology. <i>Polymers</i> , 2021, 13, 681.	2.0	17
111	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.	2.4	17
112	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.	1.3	16
113	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.	1.1	16
114	UV Index Forecasting under the Influence of Desert Dust: Evaluation against Surface and Satellite-Retrieved Data. <i>Atmosphere</i> , 2020, 11, 96.	1.0	16
115	Influence of co-current vapor flow on falling film over horizontal tube. <i>International Journal of Thermal Sciences</i> , 2021, 159, 106614.	2.6	16
116	A Review on the Modeling of the Elastic Modulus and Yield Stress of Polymers and Polymer Nanocomposites: Effect of Temperature, Loading Rate and Porosity. <i>Polymers</i> , 2022, 14, 360.	2.0	16
117	Investigation on Human Development Needs, Challenges, and Drivers for Transition to Sustainable Development: The Case of Qatar. <i>Sustainability</i> , 2022, 14, 3705.	1.6	16
118	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.	1.5	15
119	Demand side management for peak reduction and PV integration in Qatar. , 2017, , .		15
120	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.	1.8	15
121	Urban Infrastructure Resilience Assessment During Mega Sport Events Using a Multi-Criteria Approach. <i>Frontiers in Sustainability</i> , 2021, 2, .	1.3	15
122	Strategizing Human Development for a Country in Transition from a Resource-Based to a Knowledge-Based Economy. <i>Sustainability</i> , 2021, 13, 13750.	1.6	15
123	Sustainable Financing for Sustainable Development: Understanding the Interrelations between Public Investment and Sovereign Debt. <i>Sustainability</i> , 2018, 10, 3901.	1.6	14
124	Driving Factors of Economic Diversification in Resource-Rich Countries via Panel Data Evidence. <i>Sustainability</i> , 2022, 14, 2797.	1.6	14
125	Direct load control of air conditioners in Qatar: An empirical study. , 2017, , .		13
126	Over-Agglomeration and its Effects on Sustainable Development: A Case Study on Istanbul. <i>Sustainability</i> , 2019, 11, 135.	1.6	13

#	ARTICLE	IF	CITATIONS
127	Future LNG competition and trade using an agent-based predictive model. <i>Energy Strategy Reviews</i> , 2021, 38, 100734.	3.3	13
128	Additive manufacturing and mechanical performance of carbon fiber reinforced Polyamide-6 composites. <i>Materials Today: Proceedings</i> , 2022, 62, 6359-6363.	0.9	13
129	Perspectives and strategies for LNG expansion in Qatar: A SWOT analysis. <i>Resources Policy</i> , 2022, 76, 102633.	4.2	13
130	PEMFC Metallic Bipolar Plates: Effect of Manufacturing Method on Corrosion Resistance. <i>ECS Transactions</i> , 2009, 25, 1773-1782.	0.3	12
131	Forming characteristics of austenitic stainless steel sheet alloys under warm hydroforming conditions. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 56, 97-113.	1.5	12
132	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.	2.2	12
133	Entrepreneurship in a transformative and resource-rich state: The case of Qatar. <i>The Extractive Industries and Society</i> , 2021, 8, 100708.	0.7	12
134	Partnering for Sustainability: Parent-Teacher-School (PTS) Interactions in the Qatar Education System. <i>Sustainability</i> , 2021, 13, 6639.	1.6	12
135	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.	4.0	12
136	Life cycle assessment of binary recycled ceramic tile and recycled brick waste-based geopolymers. <i>Cleaner Materials</i> , 2022, 5, 100116.	1.9	12
137	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.	1.3	11
138	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, .	1.3	11
139	Quantifying the Cost of Cooling in Qatar. , 2017, , .		11
140	Sustainable Financing for Sustainable Development: Agent-Based Modeling of Alternative Financing Models for Clean Energy Investments. <i>Sustainability</i> , 2019, 11, 1967.	1.6	11
141	Asking the Right Questions for Sustainable Development Goals: Performance Assessment Approaches for the Qatar Education System. <i>Sustainability</i> , 2021, 13, 3883.	1.6	11
142	Wear resistance evaluation of hard-coatings for sheet blanking die. <i>Procedia Manufacturing</i> , 2018, 15, 590-596.	1.9	10
143	Numerical optimization of warm hydromechanical deep drawing process parameters and its experimental verification. <i>Journal of Manufacturing Processes</i> , 2020, 57, 344-353.	2.8	10
144	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.	4.6	10

#	ARTICLE	IF	CITATIONS
145	A Study on Warm Hydroforming of Al and Mg Sheet Materials: Mechanism and Proper Temperature Conditions. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	1.3	9
146	High-resolution electricity load profiles of selected houses in Qatar. , 2018, , .		9
147	Economic Growth, Public and Private Investment: A Comparative Study of China and the United States. Sustainability, 2020, 12, 2243.	1.6	9
148	Assessing the Impact of Water Efficiency Policies on Qatar's Electricity and Water Sectors. Energies, 2021, 14, 4348.	1.6	9
149	Social media for sustainability education: gaining knowledge and skills into actions for sustainable living. International Journal of Sustainable Development and World Ecology, 2022, 29, 455-471.	3.2	9
150	Flare emission reduction utilizing solid oxide fuel cells at a natural gas processing plant. Energy Reports, 2021, 7, 5627-5638.	2.5	8
151	Design, Fabrication, and Experimental Validation of a Warm Hydroforming Test System. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	1.3	7
152	Knowledge Level, Motivators and Barriers of Blood Donation among Students at Qatar University. Healthcare (Switzerland), 2021, 9, 926.	1.0	7
153	Technoeconomic analysis of tri hybrid reverse osmosis-forward osmosis-multi stage flash desalination process. , 0, 98, 1-15.		7
154	Microscopic analysis on dimensional capability of fused filament fabrication three-dimensional printing process. Journal of Elastomers and Plastics, 2022, 54, 385-403.	0.7	7
155	Investigations on thermo-mechanical fabrication of micro-scale porous surface features. Journal of Power Sources, 2008, 179, 592-602.	4.0	6
156	The Effect of Temperature and Strain-Rate Sensitivity on Formability of AA 5754. Applied Mechanics and Materials, 0, 217-219, 1596-1601.	0.2	6
157	Toward Knowledge-Based Economy: Innovation and Transformational Leadership in Public Universities in Texas and Qatar. Sustainability, 2019, 11, 6721.	1.6	6
158	Performance assessment in education for sustainable development: A case study of the Qatar education system. Prospects, 2022, 52, 513-527.	1.3	6
159	CFD ANALYSIS OF SPRAY NOZZLE ARRANGEMENTS FOR MULTI EFFECT DESALINATION EVAPORATOR. , 2018, , .		6
160	Economic Viability of Rooftop Photovoltaic Systems and Energy Storage Systems in Qatar. Energies, 2022, 15, 3040.	1.6	6
161	The Economic Value of Common Urban Trees in the State of Qatar from an Air Quality Control Perspective. Journal of Environmental Science and Pollution Research, 2018, 4, 285-288.	0.2	5
162	Estimating the Cost of Summer Cooling in Bahrain. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
163	Sustainable financing for entrepreneurs: Case study in designing a crowdfunding platform tailored for Qatar. Digital Business, 2022, 2, 100032.	2.3	5
164	Comparative Review and Analysis of Organizational (In)Efficiency Indicators in Qatar. Sustainability, 2019, 11, 6566.	1.6	4
165	Parametric Investigation of Circular and Elliptical Bulge Tests in Warm Hydroforming Process for AA5754-O Sheet. Key Engineering Materials, 2011, 473, 594-601.	0.4	3
166	Formability of Ultrasonically Additive Manufactured Ti-Al Thin Foil Laminates. Materials, 2019, 12, 3402.	1.3	3
167	Building Stock Inertia and Impacts on Energy Consumption and CO2 Emissions in Qatar. , 2019, , .		3
168	A Comparative Assessment of Turkey for Its Status and Readiness for Knowledge Society from Human Capital Perspective. Procedia, Social and Behavioral Sciences, 2015, 195, 1-9.	0.5	2
169	The role of plug-in electric vehicles in reducing energy and CO2 emissions in Istanbul: A system dynamics approach. , 2018, , .		2
170	Use of FEA for Design of Part, Process and Tooling in the Metal Forming Processes- Hydroforming as a Case Study. , 0, , .		1
171	Design of Optimal Temperature Distribution using FEA for Warm Forming of Lightweight Materials. AIP Conference Proceedings, 2004, , .	0.3	1
172	Investigations on the Effect of Coating Material and Method on Die Wear in Stamping of Advanced High Strength Steels. , 2013, , .		1
173	CFD Analysis of Falling Film Wettability in MED Desalination plants. , 2018, , .		1
174	Sustainability in Higher Education: The Impact of Transformational Leadership on Followersâ€™™ Innovative Outcomes A Framework Proposal. World Sustainability Series, 2019, , 227-243.	0.3	1
175	Measuring efficiency levels in Qatari organizations and causes of inefficiencies. International Journal of Engineering Business Management, 2020, 12, 184797902097082.	2.1	1
176	Electrochemical Modeling and Performance Assessment of H ₂ /Air Solid Oxide Fuel Cell. Energy Technology, 2020, 8, 2000531.	1.8	1
177	Uniaxial and biaxial deformation characteristics of AA7075-O friction stir welded joints. Welding in the World, Le Soudage Dans Le Monde, 2020, 64, 1553-1564.	1.3	1
178	Introduction to Industry, University, and Government Partnerships: Theoretical Model. Management and Industrial Engineering, 2020, , 1-7.	0.3	1
179	Case Study: Qatar. Management and Industrial Engineering, 2020, , 71-106.	0.3	1
180	ECONOMIC AND FINANCIAL DEVELOPMENT IMPACTS ON ENERGY CONSUMPTION IN QATAR. Yâ€œnetim Ve Ekonomi AraÅŸtÄ±rmalarÄ± Dergisi, 2022, 20, 313-330.	0.0	1

#	ARTICLE	IF	CITATIONS
181	Modeling of Size Effects on the Flow Stress of Type 304 Stainless Steel and Application in Coining Process. , 2007, , 25.		0
182	Material Characterization of Ultrasonically Consolidated Laminated Ti-Al Composites (UC-LMC). , 2015, , .		0
183	Corrigendum to "Critical Review on Nanofluids: Preparation, Characterization, and Applications" Journal of Nanomaterials, 2017, 2017, 1-1.	1.5	0
184	A Review on Integrated Information System and Sustainability Implementation Framework in Higher Education. World Sustainability Series, 2019, , 21-29.	0.3	0
185	Experimental Investigations into the Deformation Behavior of Thixo-Molded Mg AZ61L Sheet Alloy. , 2012, , 413-418.		0
186	Case Study: Singapore. Management and Industrial Engineering, 2020, , 53-69.	0.3	0
187	Comparison Between the IUGP Settings and Global Innovation Index of Qatar, United States, Norway, and Singapore. Management and Industrial Engineering, 2020, , 107-131.	0.3	0
188	Case Study: Norway. Management and Industrial Engineering, 2020, , 35-52.	0.3	0
189	A Survey on the Current Status and Future of IUGPs in Qatar: Challenges, Opportunities, and Recommendations. Management and Industrial Engineering, 2020, , 133-175.	0.3	0
190	Case Study: United States of America. Management and Industrial Engineering, 2020, , 9-33.	0.3	0