

# Mohammad M Hamasha

## 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.

37  
papers

426  
citations

9  
h-index

20  
g-index

43  
ext. papers

517  
ext. citations

1.9  
avg, IF

3.43  
L-index

#	Paper	IF	Citations
37	Markovian analysis of unreliable multi-machine flexible manufacturing cell.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0259247	3.7	1
36	Ultra-fine transformation of data for normality. <i>Heliyon</i> , <b>2022</b> , 8, e09370	3.6	1
35	Fatigue Properties and Microstructure of SnAgCu Bi-Based Solder Joint. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2021</b> , 143,	2	3
34	Heat treatment and quenching effects on wear of electroless nickel phosphorous plating. <i>Cogent Engineering</i> , <b>2021</b> , 8, 1959009	1.5	
33	Identifying Patterns of Turnover Intention Among Alabama Frontline Nurses in Hospital Settings During the COVID-19 Pandemic. <i>Journal of Multidisciplinary Healthcare</i> , <b>2021</b> , 14, 1783-1794	2.8	7
32	. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2020</b> , 10, 1259-1265	1.7	4
31	A State-of-the-Art Review of Fatigue Life Prediction Models for Solder Joint. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2019</b> , 141,	2	24
30	Natural logarithm transformation for predicting procurement time of PPP projects in Nigeria. <i>Cogent Engineering</i> , <b>2019</b> , 6, 1571147	1.5	1
29	Standard tables of truncated standard normal distribution using a new summarizing method. <i>World Journal of Engineering</i> , <b>2018</b> , 15, 216-247	1.8	
28	Generate random variates using a newly introduced approximation to cumulative density of lower truncated normal distribution for simulation applications. <i>International Journal of Mathematics in Operational Research</i> , <b>2018</b> , 13, 365	0.8	1
27	Determining optimal policy for emergency department using Markov decision process. <i>World Journal of Engineering</i> , <b>2017</b> , 14, 467-472	1.8	2
26	An approach for rush order acceptance decisions using simulation and multi-attribute utility theory. <i>European Journal of Industrial Engineering</i> , <b>2017</b> , 11, 613	1.1	6
25	Practitioner advice: Approximation of the cumulative density of left-sided truncated normal distribution using logistic function and its implementation in Microsoft Excel. <i>Quality Engineering</i> , <b>2017</b> , 29, 322-328	1.4	5
24	Aluminum induced crystallization of amorphous silicon thin films with assistance of electric field for solar photovoltaic applications. <i>Solar Energy</i> , <b>2016</b> , 127, 223-231	6.8	3
23	Aluminum-Induced Crystallization of Hydrogenated Amorphous Silicon Thin Films With Assistance of Electric Field for Solar Photovoltaic Applications. <i>Journal of Display Technology</i> , <b>2016</b> , 12, 82-88		3
22	Reliability of thin films: Experimental study on mechanical and thermal behavior of indium tin oxide and poly(3,4-ethylenedioxythiophene). <i>Microelectronics Reliability</i> , <b>2015</b> , 55, 538-546	1.2	8
21	. <i>IEEE Transactions on Device and Materials Reliability</i> , <b>2015</b> , 15, 174-180	1.6	1

20	Multimachine Flexible Manufacturing Cell Analysis Using a Markov Chain-Based Approach. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2015</b> , 5, 439-446	1.7	9
19	Analysis of Service Delivery System Using Markov Chain Approach and M/G/1 Queuing Systems. <i>Asian Journal of Industrial Engineering</i> , <b>2015</b> , 8, 1-9	0	
18	Comparisons of the Mechanical Behaviors of Poly (3, 4-ethylenedioxythiophene) (PEDOT) and ITO on Flexible Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1493, 127-132		3
17	. <i>IEEE Transactions on Device and Materials Reliability</i> , <b>2013</b> , 13, 236-244	1.6	17
16	Reliability of sputter deposited aluminum-doped zinc oxide under harsh environmental conditions. <i>Solar Energy</i> , <b>2013</b> , 89, 54-61	6.8	10
15	Optimisation of single-queue service delivery systems using a Markovian approach. <i>International Journal of Industrial and Systems Engineering</i> , <b>2013</b> , 13, 424	0.4	3
14	Reliability of Sputtered Aluminum Thin Film on Flexible Substrate Under High Cyclic Bending Fatigue Conditions. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2012</b> , 2, 2007-2016	1.7	9
13	. <i>Journal of Display Technology</i> , <b>2012</b> , 8, 377-384		7
12	Stability of ITO Thin Film on Flexible Substrate Under Thermal Aging and Thermal Cycling Conditions. <i>Journal of Display Technology</i> , <b>2012</b> , 8, 385-390		31
11	. <i>IEEE Transactions on Device and Materials Reliability</i> , <b>2012</b> , 12, 347-356	1.6	15
10	The Effect of Time, Percent of Copper and Nickel on Naturally Aged Al-Cu-Ni Cast Alloys. <i>Journal of Minerals and Materials Characterization and Engineering</i> , <b>2012</b> , 11, 117-131	0.4	3
9	Effect of Copper and Silicon Carbide Content on the Corrosion Resistance of Al-Mg Alloys in Acidic and Alkaline Solutions. <i>Journal of Minerals and Materials Characterization and Engineering</i> , <b>2012</b> , 11, 335-352	0.4	5
8	Behavior of Sputtered Indium Tin Oxide Thin Film on Poly-Ethylene Terephthalate Substrate Under Stretching. <i>Journal of Display Technology</i> , <b>2011</b> , 7, 426-433		23
7	Bending Fatigue Study of Sputtered ITO on Flexible Substrate. <i>Journal of Display Technology</i> , <b>2011</b> , 7, 593-600		151
6	Effect of lamination on the bending fatigue life of copper coated PET substrate <b>2011</b> ,		3
5	A study on crack propagation and electrical resistance change of sputtered aluminum thin film on poly ethylene terephthalate substrate under stretching. <i>Thin Solid Films</i> , <b>2011</b> , 519, 7918-7924	2.2	36
4	Durability study on sputtered indium tin oxide thin film on Poly Ethylene Terephthalate substrate. <i>Thin Solid Films</i> , <b>2011</b> , 519, 6033-6038	2.2	29
3	The Effect of Time, Percent of Copper and Nickel on the Natural Precipitation Hardness of Al [Cu ] Ni Powder Metallurgy Alloys Using Design of Experiments. <i>Journal of Minerals and Materials Characterization and Engineering</i> , <b>2011</b> , 10, 479-492	0.4	1

- 2 A MATHEMATICAL APPROXIMATION TO LEFT-SIDED TRUNCATED NORMAL DISTRIBUTION BASED ON HARTS MODEL. *Journal of Applied Engineering Science*,1-7 1.2 1
- 1 A prediction-optimization approach to surgery prioritization in operating room scheduling. *Journal of Industrial and Production Engineering*,1-15 1