

# Moahammad Yazdi

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

2,327  
citations

201674

27  
h-index

223800

46  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1576  
citing authors

#	ARTICLE	IF	CITATIONS
1	A fuzzy Bayesian network approach for risk analysis in process industries. <i>Chemical Engineering Research and Design</i> , 2017, 111, 507-519.	5.6	201
2	An extension to Fuzzy Developed Failure Mode and Effects Analysis (FDFMEA) application for aircraft landing system. <i>Safety Science</i> , 2017, 98, 113-123.	4.9	157
3	A higher-order nonlocal strain gradient plate model for buckling of orthotropic nanoplates in thermal environment. <i>Acta Mechanica</i> , 2016, 227, 1849-1867.	2.1	145
4	Nonlocal nonlinear plate model for large amplitude vibration of magneto-electro-elastic nanoplates. <i>Composite Structures</i> , 2016, 140, 323-336.	5.8	144
5	Application of fuzzy fault tree analysis based on modified fuzzy AHP and fuzzy TOPSIS for fire and explosion in the process industry. <i>International Journal of Occupational Safety and Ergonomics</i> , 2020, 26, 319-335.	1.9	92
6	Failure probability analysis by employing fuzzy fault tree analysis. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017, 8, 1177-1193.	2.4	90
7	Presence of polycyclic aromatic hydrocarbons in sediments and surface water from Shadegan wetland "Iran: A focus on source apportionment, human and ecological risk assessment and Sediment-Water Exchange. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 1054-1066.	6.0	77
8	Uncertainty Handling in the Safety Risk Analysis: An Integrated Approach Based on Fuzzy Fault Tree Analysis. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 392-404.	0.9	75
9	Hybrid Probabilistic Risk Assessment Using Fuzzy FTA and Fuzzy AHP in a Process Industry. <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 756-764.	0.9	74
10	On nonlinear stability of fluid-conveying imperfect micropipes. <i>International Journal of Engineering Science</i> , 2017, 120, 254-271.	5.0	68
11	Nonlinear thermo-resonant behavior of fluid-conveying FG pipes. <i>International Journal of Engineering Science</i> , 2019, 144, 103141.	5.0	66
12	Fuzzy evidence theory and Bayesian networks for process systems risk analysis. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 57-86.	3.4	65
13	On nonlinear vibrations of micropipes conveying fluid. <i>International Journal of Engineering Science</i> , 2017, 117, 20-33.	5.0	59
14	Improving failure mode and effect analysis (FMEA) with consideration of uncertainty handling as an interactive approach. <i>International Journal on Interactive Design and Manufacturing</i> , 2019, 13, 441-458.	2.2	58
15	On the dynamics of bistable micro/nano resonators: Analytical solution and nonlinear behavior. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 20, 1078-1089.	3.3	53
16	Nonlinear dynamics of MEMS/NEMS resonators: analytical solution by the homotopy analysis method. <i>Microsystem Technologies</i> , 2017, 23, 1913-1926.	2.0	51
17	Evaluation of groundwater quality and assessment of scaling potential and corrosiveness of water samples in Kadkan aquifer, Khorasan-e-Razavi Province, Iran. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 53.	2.7	47
18	Fuzzy smart failure modes and effects analysis to improve safety performance of system: Case study of an aircraft landing system. <i>Quality and Reliability Engineering International</i> , 2020, 36, 890-909.	2.3	45

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19	A new approach to consider the influence of aging state on Lithium-ion battery state of power estimation for hybrid electric vehicle. <i>Energy</i> , 2019, 176, 505-520.	8.8	42
20	Terminal sliding mode control with non-symmetric input saturation for vibration suppression of electrostatically actuated nanobeams in the presence of Casimir force. <i>Applied Mathematical Modelling</i> , 2018, 60, 416-434.	4.2	37
21	Footprint of knowledge acquisition improvement in failure diagnosis analysis. <i>Quality and Reliability Engineering International</i> , 2019, 35, 405-422.	2.3	37
22	Acquiring and Sharing Tacit Knowledge in Failure Diagnosis Analysis Using Intuitionistic and Pythagorean Assessments. <i>Journal of Failure Analysis and Prevention</i> , 2019, 19, 369-386.	0.9	36
23	A review paper to examine the validity of Bayesian network to build rational consensus in subjective probabilistic failure analysis. <i>International Journal of Systems Assurance Engineering and Management</i> , 2019, 10, 1-18.	2.4	33
24	On the Chaotic Vibrations of Electrostatically Actuated Arch Micro/Nano Resonators: A Parametric Study. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550106.	1.7	32
25	The Application of Bow-Tie Method in Hydrogen Sulfide Risk Management Using Layer of Protection Analysis (LOPA). <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 291-303.	0.9	32
26	Mechanical properties, crystallinity, and self-nucleation of carbon nanotube-polyurethane nanocomposites. <i>Polymer Testing</i> , 2019, 79, 106011.	4.8	32
27	Knowledge acquisition development in failure diagnosis analysis as an interactive approach. <i>International Journal on Interactive Design and Manufacturing</i> , 2019, 13, 193-210.	2.2	30
28	A perceptual computing-based method to prioritize intervention actions in the probabilistic risk assessment techniques. <i>Quality and Reliability Engineering International</i> , 2020, 36, 187-213.	2.3	27
29	Tunable elastic wave propagation in planar functionally graded metamaterials. <i>Acta Mechanica</i> , 2020, 231, 3363-3385.	2.1	27
30	Preparation of polyurethane composites reinforced with halloysite and carbon nanotubes. <i>Polymer Composites</i> , 2021, 42, 450-461.	4.6	27
31	Polarizability calculation of arbitrary individual scatterers, scatterers in arrays, and substrated scatterers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 491.	2.1	25
32	Ignorance-aware safety and reliability analysis: A heuristic approach. <i>Quality and Reliability Engineering International</i> , 2020, 36, 652-674.	2.3	24
33	Planning and distributed control for cooperative transportation of a non-uniform slung-load by multiple quadrotors. <i>Aerospace Science and Technology</i> , 2021, 117, 106917.	4.8	24
34	Halloysite-reinforced thermoplastic polyurethane nanocomposites: Physico-mechanical, rheological, and thermal investigations. <i>Polymer Composites</i> , 2020, 41, 3260-3270.	4.6	23
35	Alkali metasomatism as a process for Ti-REE-Y-U-Th mineralization in the Saghand Anomaly 5, Central Iran: Insights from geochemical, mineralogical, and stable isotope data. <i>Ore Geology Reviews</i> , 2018, 93, 308-336.	2.7	20
36	Learning from Fire Accident at Bouali Sina Petrochemical Complex Plant. <i>Journal of Failure Analysis and Prevention</i> , 2019, 19, 1517-1536.	0.9	20

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37	Environmental geochemistry and sources of natural arsenic in the Kharagan hot springs, Qazvin, Iran. <i>Environmental Earth Sciences</i> , 2015, 73, 5395-5404.	2.7	16
38	POLARIZABILITY TENSOR CALCULATION USING INDUCED CHARGE AND CURRENT DISTRIBUTIONS. <i>Progress in Electromagnetics Research M</i> , 2016, 45, 123-130.	0.9	16
39	Finite time estimation of actuator faults, states, and aerodynamic load of a realistic wind turbine. <i>Renewable Energy</i> , 2019, 130, 256-267.	8.9	16
40	Wave propagation in microtubule-based bio-nano-architected networks: A lesson from nature. <i>International Journal of Mechanical Sciences</i> , 2019, 164, 105175.	6.7	16
41	Small-scale effects on wave propagation in planar micro-lattices. <i>Journal of Sound and Vibration</i> , 2021, 494, 115894.	3.9	16
42	Alkali Metasomatism and Th-REE Mineralization in the Choghart deposit, Bafq district, Central Iran. <i>Geologia Croatica</i> , 2017, 70, 53-69.	0.8	15
43	Sulfide mineral chemistry investigation of sediment-hosted stratiform copper deposits, Nahand-Ivand area, NW Iran. <i>Ore Geology Reviews</i> , 2016, 72, 760-776.	2.7	13
44	Classification of the nonlinear dynamics in an initially curved bistable micro/nano-electromechanical system resonator. <i>Micro and Nano Letters</i> , 2015, 10, 583-588.	1.3	12
45	Studies of Different Swarm Modes for the MNPs Under the Rotating Magnetic Field. <i>IEEE Nanotechnology Magazine</i> , 2020, 19, 849-855.	2.0	12
46	From a 3D Passive Biped Walker to a 3D Passivity-Based Controlled Robot. <i>International Journal of Humanoid Robotics</i> , 2018, 15, 1850009.	1.1	10
47	Terminal sliding mode observers for uncertain linear systems with matched disturbance. <i>Asian Journal of Control</i> , 2019, 21, 377-386.	3.0	10
48	Passive turning motion of 3D rimless wheel: novel periodic gaits for bipedal curved walking. <i>Advanced Robotics</i> , 2015, 29, 375-384.	1.8	9
49	Passive dynamic turning in 3D biped locomotion: an extension to passive dynamic walking. <i>Advanced Robotics</i> , 2016, 30, 218-231.	1.8	8
50	Effect of chain extender length and molecular architecture on phase separation and rheological properties of ether-based polyurethanes. <i>Polymer Bulletin</i> , 2022, 79, 8653-8668.	3.3	8
51	Analytical solution for nonlinear vibration of a new arch micro resonator model. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 285503.	2.8	7
52	The hydrochemical assessment of groundwater resources in the Kadkan basin, Northeast of Iran. <i>Carbonates and Evaporites</i> , 2016, 31, 129-138.	1.0	6
53	Fuzzy-Based Failure Diagnostic Analysis in a Chemical Process Industry. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 724-731.	0.6	5
54	Towards Passive Turning in Biped Walkers. <i>Procedia Technology</i> , 2014, 12, 98-104.	1.1	4

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55	Longitudinal vibration analysis of nanorods with multiple discontinuities based on nonlocal elasticity theory using wave approach. <i>Microsystem Technologies</i> , 2018, 24, 2445-2461.	2.0	3
56	REE-Th mineralization in the Se-Chahun magnetite-apatite ore deposit, central Iran: Interplay of magmatic and metasomatic processes. <i>Ore Geology Reviews</i> , 2021, 139, 104426.	2.7	3
57	Formation and evolution of REE mineralizing fluids at the Kiruna-type Choghart iron oxide-apatite deposit, Central Iran: Insights from fluid inclusions and H <sub>2</sub> O isotopes. <i>Geological Journal</i> , 0, .	1.3	3
58	Multi-dataset analysis to assess mineral potential of MVT-type zinc-lead deposits in Malayer-Isfahan metallogenic belt, Iran. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	2
59	Environmental effects of irrigation and drainage network of Kheirabad area, SW of Iran. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	1
60	The hydrogeochemical assessment of hot springs in Mahallat region, central Iran. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	1
61	Hydrogeochemistry of Isti Su hot spring, Western Azerbaijan, Iran. <i>Carbonates and Evaporites</i> , 2018, 33, 861-867.	1.0	0
62	Analysis of the Effect of Geometrical Characteristics on Frequency Response of Dielectric Resonators. , 2019, , .		0