

# Madjid Abbaspour

## List of Publications by Year in descending order

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107  
papers

1,707  
citations

361045

20  
h-index

329751

37  
g-index

111  
all docs

111  
docs citations

111  
times ranked

1908  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination and prioritization of criteria to design urban energy resilience conceptual model (Part Tj ETQq1 1 0.784314 rgBT /Ove	1.8	8
2	Enhancing the roll dynamics of an AUV by contra-rotating-propellers. Ships and Offshore Structures, 2021, 16, 787-796.	0.9	8
3	The application of multi-criteria (AHP-PROMETHEE) decision-making methods in selecting and prioritizing the green area irrigation resources. International Journal of Environmental Science and Technology, 2021, 18, 1135-1146.	1.8	10
4	Assessment of Iran academic environmental education needs with climate change approach. International Journal of Environmental Science and Technology, 2021, 18, 49-56.	1.8	8
5	Promotion of Low-Carbon Economy through Efficiency Analysis: A Case Study of a Petrochemical Plant. International Journal of Environmental Research, 2021, 15, 45-55.	1.1	9
6	Numerical study to evaluate the important parameters affecting the hydrodynamic performance of manta ray's in flapping motion. Applied Ocean Research, 2021, 109, 102559.	1.8	7
7	Developing an optimization-based simulation approach for building energy performance evaluation (case study: Iran). International Journal of Energy and Water Resources, 2021, 5, 277-286.	1.3	2
8	Energy Performance Evaluation Based on SDGs. Encyclopedia of the UN Sustainable Development Goals, 2021, , 471-485.	0.0	0
9	Effects of motion and structural vibrationâ€œinduced loadings on the coupled dynamic response of a mono-column tension-leg-platform floating wind turbine. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2020, 234, 426-445.	0.3	0
10	An investigation on using MDCs for an efficient desalination process as pretreatment of reverse osmosis. Journal of Water Supply: Research and Technology - AQUA, 2020, 69, 322-331.	0.6	4
11	An innovative executive and financial mechanism for energy conservation in new and existing buildings in Iran. International Journal of Environmental Science and Technology, 2020, 17, 4217-4232.	1.8	11
12	A low cost Hydrokinetic Wells turbine system for oceanic surface waves energy harvesting. Renewable Energy, 2020, 156, 610-623.	4.3	7
13	Energy Performance Evaluation Based on SDGs. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-15.	0.0	2
14	Economic and environmental assessment of a solar-assisted ground source heat pump system in a heating-dominated climate. International Journal of Environmental Science and Technology, 2019, 16, 3091-3098.	1.8	18
15	An industrial application of low-grade sensible waste heat driven seawater desalination: A case study. Desalination, 2019, 470, 114055.	4.0	13
16	Current status and future perspectives of solid waste management in Iran: a critical overview of Iranian metropolitan cities. Environmental Science and Pollution Research, 2019, 26, 32777-32789.	2.7	27
17	Selective withdrawal optimization in a multipurpose water use reservoir. International Journal of Environmental Science and Technology, 2019, 16, 5559-5568.	1.8	8
18	Current Scenario of the Tehran Municipal Solid Waste Handling Rules towards Green Technology. International Journal of Environmental Research and Public Health, 2019, 16, 979.	1.2	25

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19	A conflict resolution method for waste load reallocation in river systems. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 79-88.	1.8	14
20	Harmful algal blooms (red tide): a review of causes, impacts and approaches to monitoring and prediction. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 1789-1806.	1.8	138
21	Using Web-GIS technology as a smart tool for resiliency management to monitor wind farms performances (Ganjeh site, Iran). <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 5011-5022.	1.8	5
22	Numerical investigation of flow pattern and hydrodynamic forces of submerged marine propellers using unsteady boundary element method. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2019, 233, 67-79.	0.3	4
23	Modelling and economic evaluation of pressure-retarded osmosis power plant case study: Iran. <i>International Journal of Ambient Energy</i> , 2019, 40, 69-81.	1.4	5
24	Design of a safety cost estimation parametric model in oil and gas engineering, procurement and construction contracts. <i>Safety Science</i> , 2018, 106, 35-46.	2.6	22
25	Effects of different vermicompost extracts of palm oil mill effluent and palm-pressed fiber mixture on seed germination of mung bean and its relative toxicity. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35805-35810.	2.7	15
26	Experimental study on gyroscopic effect of rotating rotor and wind heading angle on floating wind turbine responses. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 2531-2544.	1.8	14
27	Evaluation of a transient borehole heat exchanger model in dynamic simulation of a ground source heat pump system. <i>Energy</i> , 2018, 147, 81-93.	4.5	31
28	Developing three dimensional potential solver for investigation of propulsion performance of rigid and flexible oscillating foils. <i>Ocean Engineering</i> , 2018, 147, 121-131.	1.9	6
29	Prediction of Optimal C: N Ratio in Different Palm Oil Mill Waste Mixtures and Its Evaluation of Earthworm Biomass. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 151, 012038.	0.2	0
30	Environmental Parametric Cost Model in Oil and Gas EPC Contracts. <i>Sustainability</i> , 2018, 10, 195.	1.6	5
31	Unsteady Aerodynamic Analysis of Different Multi-MW Horizontal Axis Wind Turbine Blade Profiles on SST K- $\beta$ Model. <i>Green Energy and Technology</i> , 2018, , 17-30.	0.4	0
32	Hydrodynamics Analysis of Fish Movement in Steady Swimming for Modeling of Fish Robot. <i>International Journal of Materials Mechanics and Manufacturing</i> , 2018, 6, 250-254.	0.2	0
33	A numerical model for transient simulation of borehole heat exchangers. <i>Renewable Energy</i> , 2017, 104, 224-237.	4.3	45
34	Numerical study of propulsion performance in swimming fish using boundary element method. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 443-455.	0.8	11
35	An Analysis of Air Pollutants's Emission Coefficient in the Transport Sector of Tehran. <i>Open Journal of Ecology</i> , 2017, 07, 309-323.	0.4	3
36	Analytical comparison of traffic noise indices" A case study in District 14 of Tehran City. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2016, 35, 221-229.	1.3	7

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37	Unsteady flow over offshore wind turbine airfoils and aerodynamic loads with computational fluid dynamic simulations. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1525-1540.	1.8	16
38	Imitation of the body/caudal fin undulatory swimming of a spiny dogfish ( <i>Squalus acanthias</i> ): The kinematic equation. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2016, 230, 388-403.	0.3	1
39	Numerical investigation of the forward and backward travelling waves through an undulating propulsor: performance and wake pattern. <i>Ships and Offshore Structures</i> , 2016, 11, 517-539.	0.9	9
40	Resilient approach toward urban development in lake catchments, case of Urmia Lake. <i>Scientia Iranica</i> , 2016, 23, 1627-1632.	0.3	8
41	Resilient cities, a key solution to safeguard the environment. <i>Scientia Iranica</i> , 2016, 23, 2067-2076.	0.3	2
42	A Comparative Numerical Study on the Performances and Vortical Patterns of Two Bioinspired Oscillatory Mechanisms: Undulating and Pure Heaving. <i>Applied Bionics and Biomechanics</i> , 2015, 2015, 1-25.	0.5	9
43	Numerical analysis of wake structure and performance of two oscillatory mechanisms of a foil: Pure pitching and undulating. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2015, 229, 376-396.	0.3	1
44	Spatial traffic noise pollution assessment – A case study. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2015, 28, 625-634.	0.6	15
45	Developing of constructal theory concept to the total site cogeneration heat and power retrofit. <i>International Journal of Exergy</i> , 2015, 17, 171.	0.2	3
46	Multi-objective thermoeconomic optimisation for combined-cycle power plant using particle swarm optimisation and compared with two approaches: an application. <i>International Journal of Exergy</i> , 2015, 16, 430.	0.2	6
47	Modeling and design of a 25MW osmotic power plant (PRO) on Bahmanshir River of Iran. <i>Renewable Energy</i> , 2015, 78, 51-59.	4.3	30
48	A study on vertical motions of high-speed planing boats with automatically controlled stern interceptors in calm water and head waves. <i>Ships and Offshore Structures</i> , 2015, 10, 335-348.	0.9	16
49	Air Quality Risk Index (AQRI) and its application for a megacity. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 3773-3780.	1.8	17
50	GAMS based approach for optimal design and sizing of a pressure retarded osmosis power plant in Bahmanshir river of Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 1559-1565.	8.2	20
51	Comparative numerical analysis of the flow pattern and performance of a foil in flapping and undulating oscillations. <i>Journal of Marine Science and Technology</i> , 2015, 20, 257-277.	1.3	13
52	Hierarchical assessment of noise pollution in urban areas – A case study. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 34, 95-103.	3.2	49
53	COMBINATION OF ARTIFICIAL NEURAL NETWORKS AND GENETIC ALGORITHM - GAMMA TEST METHOD IN PREDICTION OF ROAD TRAFFIC NOISE. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 801-808.	0.2	4
54	Effect of Decision Variables in the Steam Section for the Exergoeconomic Analysis of TCCGT Power Plant: A Case Study. <i>Energy and Environment</i> , 2014, 25, 1381-1404.	2.7	5

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55	Multi criteria site selection model for wind-compressed air energy storage power plants in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 579-590.	8.2	59
56	Estimation of demand function for natural gas in Iran: Evidences based on smooth transition regression models. <i>Economic Modelling</i> , 2014, 36, 341-347.	1.8	23
57	Video images and undulatory movement equation of pangasius sanitwongsei's caudal fin of steady swimming fish. <i>International Journal of Design and Nature and Ecodynamics</i> , 2014, 9, 95-108.	0.3	0
58	Post-2012 CDM multi-criteria analysis of industries in six Asian countries: Iranian case study. <i>Climate Policy</i> , 2013, 13, 210-239.	2.6	5
59	An alternative approach for the prevention of deforestation using renewable energies as substitute. <i>Renewable Energy</i> , 2013, 49, 77-79.	4.3	4
60	Optimal operation scheduling of wind power integrated with compressed air energy storage (CAES). <i>Renewable Energy</i> , 2013, 51, 53-59.	4.3	164
61	What is energy efficiency and emission reduction potential in the Iranian petrochemical industry?. <i>International Journal of Greenhouse Gas Control</i> , 2013, 12, 460-471.	2.3	14
62	An experimental study of interceptor's effectiveness on hydrodynamic performance of high-speed planing crafts. <i>Polish Maritime Research</i> , 2013, 20, 21-29.	0.6	22
63	The Biodegradation of Methyl Tert-Butyl Ether (MTBE) by Indigenous <i>Bacillus cereus</i> Strain RJ1 Isolated From Soil. <i>Petroleum Science and Technology</i> , 2013, 31, 1835-1841.	0.7	12
64	Determining proper strategies for health, safety, security and environmental (HSSE) management system. <i>Work</i> , 2013, 45, 399-406.	0.6	0
65	Estimation of Natural Gas Demand in Industry Sector of Iran: A Nonlinear Approach. <i>International Journal of Economics and Finance</i> , 2013, 5, .	0.2	1
66	Investigation of lake drying attributed to climate change. <i>International Journal of Environmental Science and Technology</i> , 2012, 9, 257-266.	1.8	89
67	A strategic management model for evaluation of health, safety and environmental performance. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 2981-2991.	1.3	9
68	Experimental hydrodynamics imaging and undulatory movement equation of steady swimming fish ( <i>Pangasius sanitwongsei</i> ). , 2012, , .		3
69	Simulation of water quality parameters from the treatment of wastewater using stabilization ponds (Case study: Tehran wastewater stabilization pond). <i>Journal of Applied Sciences and Environmental Management</i> , 2011, 15, .	0.1	0
70	Study of Cut-Off Radius and Temperature Effects on Water Molecular Behavior Using Molecular Dynamics Method. , 2011, , .		0
71	Design of a new scheme to indicate the domain of applicability of near singular approach in 2D BEM. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 129-139.	2.0	2
72	Iran atlas of offshore renewable energies. <i>Renewable Energy</i> , 2011, 36, 388-398.	4.3	53

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73	Designing a developed model for assessing the disaster induced vulnerability value in educational centers. <i>Safety Science</i> , 2011, 49, 679-685.	2.6	17
74	Developing Cross Drag Expressions for Nanotube Bundles Using Molecular Dynamics. , 2011, , .		0
75	Nuclear Power and Its Role in CO <sub>2</sub> Emissions from the Electricity Generation Sector in Iran. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2011, 34, 43-52.	1.2	6
76	Economic Evaluation of an Industrial Biogas System for Production of Gas, Electricity and Liquid Compost. , 2011, , .		3
77	Definition and prioritization of electronic solutions affecting environment: A case study on air pollution of Tehran. <i>Scientific Research and Essays</i> , 2011, 6, .	0.1	0
78	Simulation of Wastewater Parameters in Stabilization Ponds (Case Study: Tehran Wastewater) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54.	0.2	0
79	Development of a model to assess environmental performance, concerning HSE-MS principles. <i>Environmental Monitoring and Assessment</i> , 2010, 165, 517-528.	1.3	16
80	Relationship of soil terrestrial radionuclide concentrations and the excess of lifetime cancer risk in western Mazandaran Province, Iran. <i>Radiation Protection Dosimetry</i> , 2010, 142, 265-272.	0.4	12
81	Conceptual hydrosalinity model for prediction of salt load from wastewater flows into soil and ground water. <i>International Journal of Environmental Science and Technology</i> , 2009, 6, 359-368.	1.8	5
82	Innovative approach to design a new national low speed wind tunnel. <i>International Journal of Environmental Science and Technology</i> , 2009, 6, 23-34.	1.8	8
83	Evaluation of Background Sound Quality Using NCB. <i>Building Acoustics</i> , 2009, 16, 149-158.	1.1	1
84	Challenges of Green Management in Iran. <i>WIT Transactions on Ecology and the Environment</i> , 2009, , .	0.0	1
85	3D Model for Evaluation of Pollutant Concentration Distributions from Land-Based Sources of the Caspian Sea Region - Regional Study, Southern Part of the Caspian Sea. <i>Journal of Environmental Informatics</i> , 2009, 14, 51-65.	6.0	4
86	Potential for reducing air pollution from oil refineries. <i>Environmental Monitoring and Assessment</i> , 2008, 145, 159-166.	1.3	15
87	Thermal comfort evaluation in Tehran metro using Relative Warmth Index. <i>International Journal of Environmental Science and Technology</i> , 2008, 5, 297-304.	1.8	43
88	Determination of environmental water requirements of Lake Urmia, Iran: an ecological approach. <i>International Journal of Environmental Studies</i> , 2007, 64, 161-169.	0.7	93
89	A rail noise prediction model for the Tehranâ€Karaj commuter train. <i>Applied Acoustics</i> , 2007, 68, 326-333.	1.7	11
90	Implementation of green management concepts in sport complexes. <i>International Journal of Environmental Science and Technology</i> , 2006, 3, 213-219.	1.8	9

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91	An Investigation on Time-Interval Optimisation of Traffic Noise Measurement. Journal of Low Frequency Noise Vibration and Active Control, 2006, 25, 267-273.	1.3	10
92	Using geographic information to identify environmental resources: A tool for land use planning. Environmental Quality Management, 2006, 16, 59-68.	1.0	1
93	Modeling of thermal pollution in the northern coastal area of the Persian Gulf and its economical and environmental assessment. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	3
94	Minimization of adverse environmental effects of a sports complex through implementation of green management. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	1
95	City hazardous gas monitoring network. Journal of Loss Prevention in the Process Industries, 2005, 18, 481-487.	1.7	14
96	Urban planning using environmental modeling and GIS/RS: A case study from Tehran. Environmental Quality Management, 2005, 14, 63-72.	1.0	2
97	Review of cycles and indices of drought and their effect on water resources, ecological, biological, agricultural, social and economical issues in Iran. International Journal of Environmental Studies, 2005, 62, 709-724.	0.7	28
98	Modeling of thermal pollution in coastal area and its economical and environmental assessment. International Journal of Environmental Science and Technology, 2005, 2, 13-26.	1.8	42
99	Carbon monoxide prediction using novel intelligent network. International Journal of Environmental Science and Technology, 2005, 1, 257-264.	1.8	6
100	Comparison of Environmental Performance-HSEQ Management System, Regarding the International and Iranian Oil and Gas General Contractors. American Journal of Applied Sciences, 2005, 2, 447-451.	0.1	3
101	Design of an environmental assessment model on the effect of vehicle emission in greater Tehran on air pollution with economic sensitivity. International Journal of Environmental Science and Technology, 2004, 1, 27-38.	1.8	14
102	Cellular import of functional peptides to block intracellular signaling. Current Opinion in Immunology, 1997, 9, 189-194.	2.4	49
103	An integral equation method for the diffraction of oblique waves by an infinite cylinder. International Journal for Numerical Methods in Engineering, 1982, 18, 1497-1504.	1.5	35
104	Experimental investigation of evisceration. American Journal of Surgery, 1938, 41, 462-463.	0.9	2
105	Simulation modeling of nutrients, dissolved oxygen and total dissolved solids in Peer-Bazar River and Anzali wetland eutrophication prediction. , 0, 79, 108-124.		2
106	Investigating sensitivity of flow parameters and uncertainty analysis of nutrient transport and dispersion model in shallow water (Case study: Peer-Bazar River and Anzali wetland). , 0, 174, 204-214.		0
107	Numerical simulation of vortex-induced vibration of a smooth circular cylinder at the subcritical regime. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 0, , 147509022210884.	0.3	0