Madjid Abbaspour

List of Publications by Year
in descending order

107 papers	1,707 citations	361413 20 h-index	330143 37 g-index
111 all docs	111 docs citations	111 times ranked	1908 citing authors

#	Article	IF	Citations
1	Optimal operation scheduling of wind power integrated with compressed air energy storage (CAES). Renewable Energy, 2013, 51, 53-59.	8.9	164
2	Harmful algal blooms (red tide): a review of causes, impacts and approaches to monitoring and prediction. International Journal of Environmental Science and Technology, 2019, 16, 1789-1806.	3.5	138
3	Determination of environmental water requirements of Lake Urmia, Iran: an ecological approach. International Journal of Environmental Studies, 2007, 64, 161-169.	1.6	93
4	Investigation of lake drying attributed to climate change. International Journal of Environmental Science and Technology, 2012, 9, 257-266.	3.5	89
5	Multi criteria site selection model for wind-compressed air energy storage power plants in Iran. Renewable and Sustainable Energy Reviews, 2014, 32, 579-590.	16.4	59
6	Iran atlas of offshore renewable energies. Renewable Energy, 2011, 36, 388-398.	8.9	53
7	Cellular import of functional peptides to block intracellular signaling. Current Opinion in Immunology, 1997, 9, 189-194.	5.5	49
8	Hierarchal assessment of noise pollution in urban areas â€“ A case study. Transportation Research, Part D: Transport and Environment, 2015, 34, 95-103.	6.8	49
9	A numerical model for transient simulation of borehole heat exchangers. Renewable Energy, 2017, 104, 224-237.	8.9	45
10	Thermal comfort evaluation in Tehran metro using Relative Warmth Index. International Journal of Environmental Science and Technology, 2008, 5, 297-304.	3.5	43
11	Modeling of thermal pollution in coastal area and its economical and environmental assessment. International Journal of Environmental Science and Technology, 2005, 2, 13-26.	3.5	42
12	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.	2.8	35
13	Evaluation of a transient borehole heat exchanger model in dynamic simulation of a ground source heat pump system. Energy, 2018, 147, 81-93.	8.8	31
14	Modeling and design of a 25ÂMW osmotic power plant (PRO) on Bahmanshir River of Iran. Renewable Energy, 2015, 78, 51-59.	8.9	30
15	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.	1.6	28
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.	5.3	27
17	Current Scenario of the Tehran Municipal Solid Waste Handling Rules towards Green Technology. International Journal of Environmental Research and Public Health, 2019, 16, 979.	2.6	25
18	Estimation of demand function for natural gas in Iran: Evidences based on smooth transition regression models. Economic Modelling, 2014, 36, 341-347.	3.8	23

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19	An experimental study of interceptorâ€™s effectiveness on hydrodynamic performance of high-speed planing crafts. Polish Maritime Research, 2013, 20, 21-29.	1.9	22
20	Design of a safety cost estimation parametric model in oil and gas engineering, procurement and construction contracts. Safety Science, 2018, 106, 35-46.	4.9	22
21	GAMS based approach for optimal design and sizing of a pressure retarded osmosis power plant in Bahmanshir river of Iran. Renewable and Sustainable Energy Reviews, 2015, 52, 1559-1565.	16.4	20
22	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.	3.5	18
23	Designing a developed model for assessing the disaster induced vulnerability value in educational centers. Safety Science, 2011, 49, 679-685.	4.9	17
24	Air Quality Risk Index (AQRI) and its application for a megacity. International Journal of Environmental Science and Technology, 2015, 12, 3773-3780.	3.5	17
25	Development of a model to assess environmental performance, concerning HSE-MS principles. Environmental Monitoring and Assessment, 2010, 165, 517-528.	2.7	16
26	A study on vertical motions of high-speed planing boats with automatically controlled stern interceptors in calm water and head waves. Ships and Offshore Structures, 2015, 10, 335-348.	1.9	16
27	Unsteady flow over offshore wind turbine airfoils and aerodynamic loads with computational fluid dynamic simulations. International Journal of Environmental Science and Technology, 2016, 13, 1525-1540.	3.5	16
28	Potential for reducing air pollution from oil refineries. Environmental Monitoring and Assessment, 2008, 145, 159-166.	2.7	15
29	Spatial traffic noise pollution assessment â€“ A case study. International Journal of Occupational Medicine and Environmental Health, 2015, 28, 625-634.	1.3	15
30	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. Environmental Science and Pollution Research, 2018, 25, 35805-35810.	5.3	15
31	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.	3.5	14
32	City hazardous gas monitoring network. Journal of Loss Prevention in the Process Industries, 2005, 18, 481-487.	3.3	14
33	What is energy efficiency and emission reduction potential in the Iranian petrochemical industry?. International Journal of Greenhouse Gas Control, 2013, 12, 460-471.	4.6	14
34	Experimental study on gyroscopic effect of rotating rotor and wind heading angle on floating wind turbine responses. International Journal of Environmental Science and Technology, 2018, 15, 2531-2544.	3.5	14
35	A conflict resolution method for waste load reallocation in river systems. International Journal of Environmental Science and Technology, 2019, 16, 79-88.	3.5	14
36	Comparative numerical analysis of the flow pattern and performance of a foil in flapping and undulating oscillations. Journal of Marine Science and Technology, 2015, 20, 257-277.	2.9	13

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37	An industrial application of low-grade sensible waste heat driven seawater desalination: A case study. Desalination, 2019, 470, 114055.	8.2	13
38	Relationship of soil terrestrial radionuclide concentrations and the excess of lifetime cancer risk in western Mazandaran Province, Iran. Radiation Protection Dosimetry, 2010, 142, 265-272.	0.8	12
39	The Biodegradation of Methyl Tert-Butyl Ether (MTBE) by IndigenousBacillus cereusStrainRJ1Isolated From Soil. Petroleum Science and Technology, 2013, 31, 1835-1841.	1.5	12
40	A rail noise prediction model for the Tehranâ€"Karaj commuter train. Applied Acoustics, 2007, 68, 326-333.	3.3	11
41	Numerical study of propulsion performance in swimming fish using boundary element method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 443-455.	1.6	11
42	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.	3.5	11
43	An Investigation on Time-Interval Optimisation of Traffic Noise Measurement. Journal of Low Frequency Noise Vibration and Active Control, 2006, 25, 267-273.	2.9	10
44	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.	3.5	10
45	Implementation of green management concepts in sport complexes. International Journal of Environmental Science and Technology, 2006, 3, 213-219.	3.5	9
46	A strategic management model for evaluation of health, safety and environmental performance. Environmental Monitoring and Assessment, 2012, 184, 2981-2991.	2.7	9
47	A Comparative Numerical Study on the Performances and Vortical Patterns of Two Bioinspired Oscillatory Mechanisms: Undulating and Pure Heaving. Applied Bionics and Biomechanics, 2015, 2015, 1-25.	1.1	9
48	Numerical investigation of the forward and backward travelling waves through an undulating propulsor: performance and wake pattern. Ships and Offshore Structures, 2016, 11, 517-539.	1.9	9
49	Promotion of Low-Carbon Economy through Efficiency Analysis: A Case Study of a Petrochemical Plant. International Journal of Environmental Research, 2021, 15, 45-55.	2.3	9
50	Innovative approach to design a new national low speed wind tunnel. International Journal of Environmental Science and Technology, 2009, 6, 23-34.	3.5	8
51	Selective withdrawal optimization in a multipurpose water use reservoir. International Journal of Environmental Science and Technology, 2019, 16, 5559-5568.	3.5	8
52	Enhancing the roll dynamics of an AUV by contra-rotating-propellers. Ships and Offshore Structures, 2021, 16, 787-796.	1.9	8
53	Assessment of Iran academic environmental education needs with climate change approach. International Journal of Environmental Science and Technology, 2021, 18, 49-56.	3.5	8
54	Resilient approach toward urban development in lake catchments, case of Urmia Lake. Scientia Iranica, 2016, 23, 1627-1632.	0.4	8

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55	Analytical comparison of traffic noise indicesâ€"A case study in District 14 of Tehran City. Journal of Low Frequency Noise Vibration and Active Control, 2016, 35, 221-229.	2.9	7
56	A low cost Hydrokinetic Wells turbine system for oceanic surface waves energy harvesting. Renewable Energy, 2020, 156, 610-623.	8.9	7
57	Numerical study to evaluate the important parameters affecting the hydrodynamic performance of manta ray's in flapping motion. Applied Ocean Research, 2021, 109, 102559.	4.1	7
58	Carbon monoxide prediction using novel intelligent network. International Journal of Environmental Science and Technology, 2005, 1, 257-264.	3.5	6
59	Nuclear Power and Its Role in CO₂Emissions from the Electricity Generation Sector in Iran. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2011, 34, 43-52.	2.3	6
60	Multi-objective thermoeconomic optimisation for combined-cycle power plant using particle swarm optimisation and compared with two approaches: an application. International Journal of Exergy, 2015, 16, 430.	0.4	6
61	Developing three dimensional potential solver for investigation of propulsion performance of rigid and flexible oscillating foils. Ocean Engineering, 2018, 147, 121-131.	4.3	6
62	Conceptual hydrosalinity model for prediction of salt load from wastewater flows into soil and ground water. International Journal of Environmental Science and Technology, 2009, 6, 359-368.	3.5	5
63	Post-2012 CDM multi-criteria analysis of industries in six Asian countries: Iranian case study. Climate Policy, 2013, 13, 210-239.	5.1	5
64	Effect of Decision Variables in the Steam Section for the Exergoeconomic Analysis of TCCGT Power Plant: A Case Study. Energy and Environment, 2014, 25, 1381-1404.	4.6	5
65	Environmental Parametric Cost Model in Oil and Gas EPC Contracts. Sustainability, 2018, 10, 195.	3.2	5
66	Using Web-GIS technology as a smart tool for resiliency management to monitor wind farms performances (Ganjeh site, Iran). International Journal of Environmental Science and Technology, 2019, 16, 5011-5022.	3.5	5
67	Modelling and economic evaluation of pressure-retarded osmosis power plant case study: Iran. International Journal of Ambient Energy, 2019, 40, 69-81.	2.5	5
68	An alternative approach for the prevention of deforestation using renewable energies as substitute. Renewable Energy, 2013, 49, 77-79.	8.9	4
69	Numerical investigation of flow pattern and hydrodynamic forces of submerged marine propellers using unsteady boundary element method. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2019, 233, 67-79.	0.5	4
70	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.	1.4	4
71	COMBINATION OF ARTIFICIAL NEURAL NETWORKS AND GENETIC ALGORITHM - GAMMA TEST METHOD IN PREDICTION OF ROAD TRAFFIC NOISE. Environmental Engineering and Management Journal, 2015, 14, 801-808.	0.6	4
72	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. Journal of Environmental Informatics, 2009, 14, 51-65.	6.0	4

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73	Developing of constructal theory concept to the total site cogeneration heat and power retrofit. International Journal of Exergy, 2015, 17, 171.	0.4	3
74	Experimental hydrodynamics imaging and undulatory movement equation of steady swimming fish (Pangasius sanitwongsei). , 2012, , .		3
75	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
76	Economic Evaluation of an Industrial Biogas System for Production of Gas, Electricity and Liquid Compost. , 2011, , .		3
77	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.	0.2	3
78	An Analysis of Air Pollutantsâ€™ Emission Coefficient in the Transport Sector of Tehran. Open Journal of Ecology, 2017, 07, 309-323.	1.0	3
79	Experimental investigation of evisceration. American Journal of Surgery, 1938, 41, 462-463.	1.8	2
80	Urban planning using environmental modeling and GIS/RS: A case study from Tehran. Environmental Quality Management, 2005, 14, 63-72.	1.9	2
81	Design of a new scheme to indicate the domain of applicability of near singular approach in 2D BEM. Engineering Analysis With Boundary Elements, 2011, 35, 129-139.	3.7	2
82	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.	2.2	2
83	Simulation modeling of nutrients, dissolved oxygen and total dissolved solids in Peer-Bazar River and Anzali wetland eutrophication prediction. , 0, 79, 108-124.		2
84	Resilient cities, a key solution to safeguard the environment. Scientia Iranica, 2016, 23, 2067-2076.	0.4	2
85	Energy Performance Evaluation Based on SDGs. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-15.	0.1	2
86	Using geographic information to identify environmental resources: A tool for land use planning. Environmental Quality Management, 2006, 16, 59-68.	1.9	1
87	Evaluation of Background Sound Quality Using NCB. Building Acoustics, 2009, 16, 149-158.	1.9	1
88	Estimation of Natural Gas Demand in Industry Sector of Iran: A Nonlinear Approach. International Journal of Economics and Finance, 2013, 5, .	0.3	1
89	Numerical analysis of wake structure and performance of two oscillatory mechanisms of a foil: Pure pitching and undulating. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2015, 229, 376-396.	0.5	1
90	Imitation of the body/caudal fin undulatory swimming of a spiny dogfish (Squalus acanthias): The kinematic equation. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2016, 230, 388-403.	0.5	1

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91	Challenges of Green Management in Iran. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	1
92	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
93	Determination and prioritization of criteria to design urban energy resilience conceptual model (Part) Tj ETQq1 1 0.784314 rgBT /Overlo	3.5	1
94	Simulation of water quality parameters from the treatment of wastewater using stabilization ponds (Case study: Tehran wastewater stabilization pond). Journal of Applied Sciences and Environmental Management, 2011, 15, .	0.1	0
95	Study of Cut-Off Radius and Temperature Effects on Water Molecular Behavior Using Molecular Dynamics Method. , 2011, , .		0
96	Developing Cross Drag Expressions for Nanotube Bundles Using Molecular Dynamics. , 2011, , .		0
97	Determining proper strategies for health, safety, security and environmental (HSSE) management system. Work, 2013, 45, 399-406.	1.1	0
98	Prediction of Optimal C: N Ratio in Different Palm Oil Mill Waste Mixtures and Its Evaluation of Earthworm Biomass. IOP Conference Series: Earth and Environmental Science, 2018, 151, 012038.	0.3	0
99	Effects of motion and structural vibrationâ€“induced 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.	0.5	0
100	Energy Performance Evaluation Based on SDGs. Encyclopedia of the UN Sustainable Development Goals, 2021, , 471-485.	0.1	0
101	Definition and prioritization of electronic solutions affecting environment: A case study on air pollution of Tehran. Scientific Research and Essays, 2011, 6, .	0.4	0
102	Simulation of Wastewater Parameters in Stabilization Ponds (Case Study: Tehran Wastewater) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.5	0
103	Video images and undulatory movement equation of pangasius sanitwongseiâ€™s caudal fin of steady swimming fish. International Journal of Design and Nature and Ecodynamics, 2014, 9, 95-108.	0.5	0
104	Unsteady Aerodynamic Analysis of Different Multi-MW Horizontal Axis Wind Turbine Blade Profiles on SST K-Ï‰ Model. Green Energy and Technology, 2018, , 17-30.	0.6	0
105	Hydrodynamics Analysis of Fish Movement in Steady Swimming for Modeling of Fish Robot. International Journal of Materials Mechanics and Manufacturing, 2018, 6, 250-254.	0.2	0
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.	0.5	0