

Amimul Ahsan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2401894/publications.pdf>

Version: 2024-02-01

95
papers

4,457
citations

126708

33
h-index

110170

64
g-index

97
all docs

97
docs citations

97
times ranked

3449
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Climate Alteration on the Hydrology of the Yarra River Catchment, Australia Using GCMs and SWAT Model. <i>Water (Switzerland)</i> , 2022, 14, 445.	1.2	3
2	Modelling Metribuzin Removal Efficiency Through Adsorption Using Activated Carbon of Olive-waste Cake. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	1
3	Treatment of Wastewater from a Food and Beverage Industry Using Conventional Wastewater Treatment Integrated with Membrane Bioreactor System: A Pilot-Scale Case Study. <i>Membranes</i> , 2021, 11, 456.	1.4	13
4	Mathematical Modelling for Predicting Pollutant Removal Efficiencies of an Electrolysis System. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	4
5	Improved clogging and backwashing model for filtration of arsenic-contaminated water. <i>Water Management</i> , 2020, 173, 265-270.	0.4	1
6	Modifications of a simple clogging and back-washing efficiency model for arsenic filters. <i>Water Management</i> , 2019, 172, 284-290.	0.4	4
7	Pyrolysis and co-composting of municipal organic waste in Bangladesh: A quantitative estimate of recyclable nutrients, greenhouse gas emissions, and economic benefits. <i>Waste Management</i> , 2018, 75, 503-513.	3.7	39
8	Solar panels: Real efficiencies, potential productions and payback periods for major Australian cities. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 25, 119-125.	1.7	25
9	Integrated PV/T solar still- A mini-review. <i>Desalination</i> , 2018, 435, 259-267.	4.0	82
10	Adsorptive Treatment of Landfill Leachate using Activated Carbon Modified with Three Different Methods. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 1083-1095.	0.9	34
11	Potable water production using two solar stills having different cover materials and fabrication costs. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 584-596.	1.3	9
12	Energy matrices, exergoeconomic and enviroeconomic analysis of modified multi-wick basin type double slope solar still. <i>Desalination</i> , 2018, 447, 55-73.	4.0	74
13	Environmental Suitability and Carbon Footprint Savings of Recycled Tyre Crumbs for Road Applications. <i>International Journal of Environmental Research</i> , 2018, 12, 693-702.	1.1	9
14	Radiation modelling and performance evaluations of fixed, single- and double-axis tracking surfaces: a case study for Dhahran city, Saudi Arabia. <i>International Journal of Sustainable Energy</i> , 2017, 36, 61-77.	1.3	3
15	An integrated technique using solar and evaporation ponds for effective brine disposal management. <i>International Journal of Sustainable Energy</i> , 2017, 36, 914-925.	1.3	19
16	GIS-based FRASTIC model for pollution vulnerability assessment of fractured-rock aquifer systems. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	15
17	Effects of electric potential, NaCl, pH and distance between electrodes on efficiency of electrolysis in landfill leachate treatment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 735-741.	0.9	4
18	Sustainable waste management policy in Bangladesh for reduction of greenhouse gases. <i>Sustainable Cities and Society</i> , 2017, 33, 18-26.	5.1	75

#	ARTICLE	IF	CITATIONS
19	Assessment of spatial relationship between groundwater pollution vulnerability and quality indices in Kano, Nigeria. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	5
20	Heat transfer coefficients and yield analysis of a double-slope solar still hybrid with rubber scrapers: An experimental and theoretical study. <i>Desalination</i> , 2017, 407, 61-74.	4.0	30
21	Hourly yield prediction of a double-slope solar still hybrid with rubber scrapers in low-latitude areas based on the particle swarm optimization technique. <i>Applied Energy</i> , 2017, 203, 280-303.	5.1	26
22	Environmental benefits and recycling options for wood chips from furniture industries. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2017, 170, 85-91.	0.9	2
23	A New Activated Carbon Prepared from Sago Palm Bark through Physiochemical Activated Process with Zinc Chloride. <i>Engineering Journal</i> , 2017, 21, 1-14.	0.5	17
24	Generalised equations for rainwater tank outcomes under different climate conditions: a case study for Adelaide. <i>International Journal of Water</i> , 2016, 10, 301.	0.1	8
25	Manufacture of Low-cost Activated Carbon Using Sago Palm Bark and Date Pits by Physiochemical Activation. <i>BioResources</i> , 2016, 12, .	0.5	12
26	Fractured rock aquifer delineation and assessment using spatial analysis in Kano, Nigeria. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	1
27	Effects of water and basin depths in single basin solar stills: An experimental and theoretical study. <i>Energy Conversion and Management</i> , 2016, 122, 174-181.	4.4	52
28	Climatic and spatial variations of potential rainwater savings for Melbourne (Australia). <i>International Journal of Hydrology Science and Technology</i> , 2016, 6, 45.	0.2	12
29	Numerical model for the transport and degradation of pollutants through wetlands. <i>International Journal of Water</i> , 2016, 10, 1.	0.1	3
30	Theoretical and experimental investigation on internal reflectors in a single-slope solar still. <i>Applied Energy</i> , 2016, 165, 537-547.	5.1	88
31	Productivity enhancements of compound parabolic concentrator tubular solar stills. <i>Renewable Energy</i> , 2016, 88, 391-400.	4.3	150
32	A simple clogging and backwashing efficiency model for filtration of arsenic-contaminated water. <i>Desalination and Water Treatment</i> , 2016, 57, 12237-12243.	1.0	7
33	Effect of parabolic solar energy collectors for water distillation. <i>Desalination and Water Treatment</i> , 2016, 57, 21234-21242.	1.0	24
34	Effect of heat removal on tubular solar desalting system. <i>Desalination</i> , 2016, 379, 24-33.	4.0	82
35	Review on pretreatment methods and ethanol production from cellulosic water hyacinth. <i>BioResources</i> , 2016, 12, 2108-2124.	0.5	40
36	Experimental Investigations on Conventional Solar Still with Sand Heat Energy Storage. <i>International Journal of Heat and Technology</i> , 2016, 34, 597-603.	0.3	21

#	ARTICLE	IF	CITATIONS
37	Physical Risk Assessment for Urban Water Supply in a Developing Country: A Case of Mega City Dhaka. Engineering Journal, 2016, 20, 23-32.	0.5	3
38	Chemical Characteristics of Native Soil in Shrimp Gher and Agricultural Land in Khulna, Bangladesh. Engineering Journal, 2016, 20, 1-15.	0.5	0
39	MUSIC for cost optimisation of stormwater treatment systems. International Journal of Water, 2015, 9, 302.	0.1	5
40	A REVIEW OF THE CORROSION BEHAVIOR OF METALLIC HERITAGE STRUCTURES AND ARTIFACTS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	0
41	The development and applications of solar pond: a review. Desalination and Water Treatment, 2015, 53, 2437-2449.	1.0	13
42	Climatic and spatial variability of potential rainwater savings for a large coastal city. Resources, Conservation and Recycling, 2015, 105, 143-147.	5.3	33
43	Environmental performance and energy recovery potential of five processes for municipal solid waste treatment. Journal of Cleaner Production, 2015, 105, 233-240.	4.6	186
44	Accomplishment and subjectivity of GIS-based DRASTIC groundwater vulnerability assessment method: a review. Environmental Earth Sciences, 2015, 73, 3063-3076.	1.3	66
45	Performance of GACC and GACP to treat institutional wastewater: A sustainable technique. Membrane Water Treatment, 2015, 6, 339-349.	0.5	5
46	Optimizing the Performance of a Paper Mill Effluent Treatment. Sains Malaysiana, 2015, 44, 101-106.	0.3	4
47	Performance of Steel Slag in Highway Surface Course. Jurnal Teknologi (Sciences and Engineering), 2014, 71, .	0.3	3
48	A finite element analysis on combined convection and conduction in a channel with a thick walled cavity. International Journal of Numerical Methods for Heat and Fluid Flow, 2014, 24, 1888-1905.	1.6	5
49	Geospatial water quality assessment system for the Sg. Buloh river basin in Malaysia. International Journal of Water, 2014, 8, 401.	0.1	2
50	Removal of Various Pollutants from Leachate Using a Low-Cost Technique: Integration of Electrolysis with Activated Carbon Contactor. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	3
51	Housing Problems for Middle and Low Income People in Bangladesh: Challenges of Dhaka Megacity. Environment and Urbanization ASIA, 2014, 5, 175-184.	0.9	16
52	Modeling of Unsteady Natural Convection for Double-Pipe in a Partially Cooled Enclosure. Numerical Heat Transfer; Part A: Applications, 2014, 66, 582-603.	1.2	3
53	Parameters affecting the performance of a low cost solar still. Applied Energy, 2014, 114, 924-930.	5.1	151
54	Factors affecting the performance of triangular pyramid solar still. Desalination, 2014, 344, 383-390.	4.0	131

#	ARTICLE	IF	CITATIONS
55	Biomass energy in Bangladesh: Current status and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 504-517.	8.2	111
56	Production of slow release crystal fertilizer from wastewaters through struvite crystallization – A review. <i>Arabian Journal of Chemistry</i> , 2014, 7, 139-155.	2.3	399
57	A study on selection of probability distributions for at-site flood frequency analysis in Australia. <i>Natural Hazards</i> , 2013, 69, 1803-1813.	1.6	105
58	Effect of air flow on tubular solar still efficiency. <i>Iranian Journal of Environmental Health Science & Engineering</i> , 2013, 10, 31.	1.8	16
59	Reliability analysis of rainwater tanks using daily water balance model: Variations within a large city. <i>Resources, Conservation and Recycling</i> , 2013, 77, 37-43.	5.3	64
60	Numerical models of solar distillation device: Present and previous. <i>Desalination</i> , 2013, 311, 173-181.	4.0	26
61	Cost and production performance of a Tubular Solar Still. , 2013, , .		4
62	The augmentation of distillate yield by using concentrator coupled solar still with phase change material. <i>Desalination</i> , 2013, 314, 189-192.	4.0	172
63	Double-diffusive buoyancy induced flow in a triangular cavity with corrugated bottom wall: Effects of geometrical parameters. <i>International Communications in Heat and Mass Transfer</i> , 2013, 45, 64-74.	2.9	29
64	Modelling stormwater treatment systems using MUSIC: Accuracy. <i>Resources, Conservation and Recycling</i> , 2013, 71, 15-21.	5.3	39
65	Effect of water and air flow on concentric tubular solar water desalting system. <i>Applied Energy</i> , 2013, 103, 109-115.	5.1	140
66	Life cycle cost analysis of a sustainable solar water distillation technique. <i>Desalination and Water Treatment</i> , 2013, 51, 7412-7419.	1.0	24
67	Assessment of Lake Sediments Properties and Contaminations Level. <i>Advanced Materials Research</i> , 2012, 610-613, 2100-2103.	0.3	0
68	Reliability analysis of rainwater tanks: A comparison between South-East and Central Melbourne. <i>Resources, Conservation and Recycling</i> , 2012, 66, 1-7.	5.3	51
69	Finite element simulation of mixed convection heat and mass transfer in a right triangular enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 689-696.	2.9	35
70	Natural convection effects on heat and mass transfer in a curvilinear triangular cavity. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 6250-6259.	2.5	29
71	MHD Mixed Convection in a Channel with a Triangular Cavity. <i>Numerical Heat Transfer; Part A: Applications</i> , 2012, 61, 268-282.	1.2	12
72	Laminar Mixed Convection in Inclined Triangular Enclosures Filled with Water Based Cu Nanofluid. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4090-4100.	1.8	27

#	ARTICLE	IF	CITATIONS
73	Experimental Study on Various Solar Still Designs. , 2012, 2012, 1-10.		63
74	Experimental Study on a Compound Parabolic Concentrator Tubular Solar Still Tied with Pyramid Solar Still. , 2012, , .		3
75	Computational analysis of mixed convection in a channel with a cavity heated from different sides. International Communications in Heat and Mass Transfer, 2012, 39, 78-84.	2.9	31
76	Double-diffusive natural convection in a triangular solar collector. International Communications in Heat and Mass Transfer, 2012, 39, 264-269.	2.9	58
77	MHD natural convection in an enclosure from two semi-circular heaters on the bottom wall. International Journal of Heat and Mass Transfer, 2012, 55, 1844-1854.	2.5	50
78	An experimental study on a hemispherical solar still. Desalination, 2012, 286, 342-348.	4.0	225
79	Design, fabrication and performance analysis of an improved solar still. Desalination, 2012, 292, 105-112.	4.0	110
80	Effective composting of oil palm industrial waste by filamentous fungi: A review. Resources, Conservation and Recycling, 2012, 58, 69-78.	5.3	70
81	Optimization of Mixed Convection in a Lid-Driven Enclosure with a Heat Generating Circular Body. Numerical Heat Transfer; Part A: Applications, 2011, 60, 629-650.	1.2	9
82	Reliability analysis of rainwater tanks in Melbourne using daily water balance model. Resources, Conservation and Recycling, 2011, 56, 80-86.	5.3	87
83	Numerical investigation of heat transfer enhancement of nanofluids in an inclined lid-driven triangular enclosure. International Communications in Heat and Mass Transfer, 2011, 38, 1360-1367.	2.9	34
84	Optimisation of rainwater tank design from large roofs: A case study in Melbourne, Australia. Resources, Conservation and Recycling, 2011, 55, 1022-1029.	5.3	142
85	Mass and heat transfer model of Tubular Solar Still. Solar Energy, 2010, 84, 1147-1156.	2.9	107
86	Experimental study on evaporation, condensation and production of a new Tubular Solar Still. Desalination, 2010, 260, 172-179.	4.0	98
87	Effect of abrasive water jet machining parameters on aramid fibre reinforced plastics composite. International Journal of Material Forming, 2009, 2, 37-44.	0.9	69
88	A study of abrasive water jet machining process on glass/epoxy composite laminate. Journal of Materials Processing Technology, 2009, 209, 6168-6173.	3.1	195
89	Evaporativity and Productivity of a New Tubular Solar Still. , 2009, , 333-338.		5
90	Investigation on glass/epoxy composite surfaces machined by abrasive water jet machining. Journal of Materials Processing Technology, 2008, 198, 122-128.	3.1	155

#	ARTICLE	IF	CITATIONS
91	Evaporation Phenomenon Inside a Solar Still: From Water Surface to Humid Air. , 0, , .		1
92	Leachate Treatment Using Aged Refuse (AR) as a Biofilter Medium. Polish Journal of Environmental Studies, 0, 24, .	0.6	0
93	Effects of concentrator type and encapsulated phase change material on the performance of different solar stills: an experimental approach. , 0, 87, 1-13.		9
94	ENHANCING THE HEAT TRANSFER OF TRIANGULAR PYRAMID SOLAR STILL USING PHASE CHANGE MATERIAL AS STORAGE MATERIAL. Frontiers in Heat and Mass Transfer, 0, 5, .	0.1	28
95	Data-driven modelling of bioethanol fuel production from rambutan fruit waste. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 0, , 1-21.	0.9	2