

Hiroshi Tanaka

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An experimental study on a hemispherical solar still. <i>Desalination</i> , 2012, 286, 342-348.	4.0	225
2	A highly productive basin-type-multiple-effect coupled solar still. <i>Desalination</i> , 2000, 130, 279-293.	4.0	125
3	Theoretical analysis of a basin type solar still with internal and external reflectors. <i>Desalination</i> , 2006, 197, 205-216.	4.0	120
4	Experimental study of a basin type solar still with internal and external reflectors in winter. <i>Desalination</i> , 2009, 249, 130-134.	4.0	117
5	Increase in distillate productivity by inclining the flat plate external reflector of a tilted-wick solar still in winter. <i>Solar Energy</i> , 2009, 83, 785-789.	2.9	83
6	A vertical multiple-effect diffusion-type solar still coupled with a heat-pipe solar collector. <i>Desalination</i> , 2004, 160, 195-205.	4.0	79
7	Improvement of the tilted wick solar still by using a flat plate reflector. <i>Desalination</i> , 2007, 216, 139-146.	4.0	77
8	Tilted wick solar still with flat plate bottom reflector. <i>Desalination</i> , 2011, 273, 405-413.	4.0	77
9	Experimental study on a parabolic concentrator assisted solar desalting system. <i>Energy Conversion and Management</i> , 2015, 105, 665-674.	4.4	75
10	Experimental study of basin-type, multiple-effect, diffusion-coupled solar still. <i>Desalination</i> , 2002, 150, 131-144.	4.0	72
11	Parametric investigation of a basin-type-multiple-effect coupled solar still. <i>Desalination</i> , 2000, 130, 295-304.	4.0	69
12	Indoor experiments of the vertical multiple-effect diffusion-type solar still coupled with a heat-pipe solar collector. <i>Desalination</i> , 2005, 177, 291-302.	4.0	68
13	Tilted wick solar still with external flat plate reflector: Optimum inclination of still and reflector. <i>Desalination</i> , 2009, 249, 411-415.	4.0	68
14	Solar thermal collector augmented by flat plate booster reflector: Optimum inclination of collector and reflector. <i>Applied Energy</i> , 2011, 88, 1395-1404.	5.1	67
15	Optimum design and orientation of the greenhouses for maximum capture of solar energy in North Tropical Region. <i>Energy Conversion and Management</i> , 2015, 105, 1096-1104.	4.4	59
16	Factors influencing the productivity of a multiple-effect diffusion-type solar still coupled with a flat plate reflector. <i>Desalination</i> , 2005, 186, 299-310.	4.0	58
17	Parametric study on a vertical multiple-effect diffusion-type solar still coupled with a heat-pipe solar collector. <i>Desalination</i> , 2005, 171, 243-255.	4.0	56
18	A simple and highly productive solar still: a vertical multiple-effect diffusion-type solar still coupled with a flat-plate mirror. <i>Desalination</i> , 2005, 173, 287-300.	4.0	56

#	ARTICLE	IF	CITATIONS
19	Monthly optimum inclination of glass cover and external reflector of a basin type solar still with internal and external reflector. <i>Solar Energy</i> , 2010, 84, 1959-1966.	2.9	56
20	One step azimuth tracking tilted-wick solar still with a vertical flat plate reflector. <i>Desalination</i> , 2009, 235, 1-8.	4.0	53
21	Experimental study of vertical multiple-effect diffusion solar still coupled with a flat plate reflector. <i>Desalination</i> , 2009, 249, 34-40.	4.0	52
22	Numerical analysis of the vertical multiple-effect diffusion solar still coupled with a flat plate reflector: optimum reflector angle and optimum orientation of the still at various seasons and locations. <i>Desalination</i> , 2007, 207, 167-178.	4.0	46
23	Effect of inclination of external flat plate reflector of basin type still in winter. <i>Solar Energy</i> , 2007, 81, 1035-1042.	2.9	44
24	Theoretical analysis of a vertical multiple-effect diffusion solar still coupled with a tilted wick still. <i>Desalination</i> , 2016, 377, 65-72.	4.0	44
25	A theoretical analysis of basin type solar still with flat plate external bottom reflector. <i>Desalination</i> , 2011, 279, 243-251.	4.0	43
26	Outdoor experiments of a vertical diffusion solar still coupled with a flat plate reflector. <i>Desalination</i> , 2007, 214, 70-82.	4.0	40
27	A new maritime lifesaving multiple-effect solar still design. <i>Desalination</i> , 2004, 160, 271-283.	4.0	36
28	Experimental study of a vertical single-effect diffusion solar still coupled with a tilted wick still. <i>Desalination</i> , 2017, 402, 19-24.	4.0	35
29	Parametric investigation of a vertical multiple-effect diffusion solar still coupled with a tilted wick still. <i>Desalination</i> , 2017, 408, 119-126.	4.0	34
30	Theoretical analysis of solar thermal collector and flat plate bottom reflector with a gap between them. <i>Energy Reports</i> , 2015, 1, 80-88.	2.5	26
31	Optimum inclination of still and bottom reflector for tilted wick solar still with flat plate bottom reflector. <i>Desalination and Water Treatment</i> , 2013, 51, 6482-6489.	1.0	18
32	Effect of inclination of external reflector of basin type still in summer. <i>Desalination</i> , 2009, 242, 205-214.	4.0	17
33	Distillation utilizing waste heat from a portable electric generator. <i>Desalination</i> , 2010, 258, 136-142.	4.0	17
34	Experimental study of distiller with heat pipe utilizing waste heat from a portable electric generator. <i>Desalination</i> , 2012, 302, 43-49.	4.0	15
35	Analyzing the effect of an enlarged flat plate reflector (FPR) on a vertical multiple-effect diffusion solar still's (VMEDS) performance. <i>Applied Thermal Engineering</i> , 2018, 142, 138-147.	3.0	15
36	Thermal distillation system utilizing biomass energy burned in stove by means of heat pipe. <i>AJ - Alexandria Engineering Journal</i> , 2016, 55, 2203-2208.	3.4	13

#	ARTICLE	IF	CITATIONS
37	A new maritime lifesaving distiller driven by wind. <i>Desalination</i> , 2005, 177, 31-42.	4.0	10
38	Analytical study on solar energy absorbed on elliptic curved collector. <i>Solar Energy</i> , 2015, 115, 667-679.	2.9	9
39	Reduction of fuel consumption of a small-scale gas turbine engine with fine bubble fuel. <i>Energy</i> , 2020, 194, 116822.	4.5	7
40	Tilted Wick Solar Still with Flat Plate Bottom Reflector: Numerical Analysis for a Case with a Gap Between Them. <i>Journal of Fundamentals of Renewable Energy and Applications</i> , 2015, 05, .	0.2	4
41	Theoretical Analysis of the Effect of a Bottom Reflector on a Vertical Multiple-Effect Diffusion Solar Still Coupled with a Basin-Type Still. <i>Advances in Mechanical Engineering</i> , 2013, 5, 107193.	0.8	3
42	Reducing Fuel Consumption of and NOx Emissions from High-speed Diesel Engine with Air Fine Bubble A-heavy Oil. <i>Journal of the Japan Institute of Marine Engineering</i> , 2021, 56, 646-652.	0.0	1
43	Performance and Availability of Seawater Distiller with Heat Pipe Utilizing Low-Grade Waste Heat. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , 2013, 37, 81-86.	0.0	1