

# Kin Yuen Leong

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

3,657  
citations

361413

20  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3590  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on applications and challenges of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1646-1668.	16.4	1,521
2	Performance investigation of an automotive car radiator operated with nanofluid-based coolants (nanofluid as a coolant in a radiator). <i>Applied Thermal Engineering</i> , 2010, 30, 2685-2692.	6.0	369
3	Optimization of biodiesel production and engine performance from high free fatty acid <i>Calophyllum inophyllum</i> oil in CI diesel engine. <i>Energy Conversion and Management</i> , 2014, 81, 30-40.	9.2	267
4	Nano-enhanced phase change materials: A review of thermo-physical properties, applications and challenges. <i>Journal of Energy Storage</i> , 2019, 21, 18-31.	8.1	234
5	Synthesis and thermal conductivity characteristic of hybrid nanofluids – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 868-878.	16.4	175
6	An experimental investigation on performance analysis of air type photovoltaic thermal collector system integrated with cooling fins design. <i>Energy and Buildings</i> , 2016, 130, 272-285.	6.7	159
7	Thermophysical properties and heat transfer performance of Al <sub>2</sub> O <sub>3</sub> /R-134a nanorefrigerants. <i>International Journal of Heat and Mass Transfer</i> , 2013, 57, 100-108.	4.8	155
8	An overview on current application of nanofluids in solar thermal collector and its challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1092-1105.	16.4	131
9	Modeling of shell and tube heat recovery exchanger operated with nanofluid based coolants. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 808-816.	4.8	77
10	Heat transfer and entropy analysis of three different types of heat exchangers operated with nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 838-843.	5.6	69
11	Thermal conductivity of an ethylene glycol/water-based nanofluid with copper-titanium dioxide nanoparticles: An experimental approach. <i>International Communications in Heat and Mass Transfer</i> , 2018, 90, 23-28.	5.6	69
12	Investigation of potential hybrid renewable energy at various rural areas in Malaysia. <i>Journal of Cleaner Production</i> , 2016, 139, 61-73.	9.3	67
13	Resource assessment of the renewable energy potential for a remote area: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 908-923.	16.4	64
14	Advances and challenges in grid tied photovoltaic systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 121-131.	16.4	59
15	Entropy generation analysis of nanofluid flow in a circular tube subjected to constant wall temperature. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1169-1175.	5.6	53
16	Ultrasonic assisted oil extraction and biodiesel synthesis of Spent Coffee Ground. <i>Fuel</i> , 2020, 261, 116121.	6.4	52
17	Numerical analysis of the forced convective heat transfer on Al <sub>2</sub> O <sub>3</sub> -Cu/water hybrid nanofluid. <i>Heat and Mass Transfer</i> , 2017, 53, 1835-1842.	2.1	35
18	The effect of surfactant on stability and thermal conductivity of carbon nanotube based nanofluids. <i>Thermal Science</i> , 2016, 20, 429-436.	1.1	33

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19	Entropy generation analysis of nanofluids flow in various shapes of cross section ducts. International Communications in Heat and Mass Transfer, 2014, 57, 72-78.	5.6	23
20	Investigation on Stability and Optical Properties of Titanium Dioxide and Aluminum Oxide Water-Based Nanofluids. International Journal of Thermophysics, 2017, 38, 1.	2.1	23
21	An empirical analysis on photovoltaic thermal system with fin design by forced air circulation. Journal of Mechanical Science and Technology, 2017, 31, 2549-2557.	1.5	9
22	Thermal Fluid Dynamics of Al <sub>2</sub> O <sub>3</sub> -Cu/Water Hybrid Nanofluid in Inclined Lid Driven Cavity. Journal of Nanofluids, 2017, 6, 149-154.	2.7	5
23	Thermal Conductivity Enhancement of Graphene Epoxy Nanocomposite. Key Engineering Materials, 0, 701, 13-17.	0.4	4
24	Electromagnetic Interference Shielding Performances of MWCNT in Concrete Composites. Solid State Phenomena, 2017, 266, 283-286.	0.3	3
25	Nanofluids Containing Titanium Dioxide: Thermo-physical Properties and Energy Saving Applications. , 2019, , 881-900.		1
26	Characteristics of the Biodiesel Palm Oil Methyl Ester Pool Fire. MATEC Web of Conferences, 2016, 74, 00015.	0.2	0
27	Nanofluid heat transfer between concentric independently rotating tubes with axial flow. Journal of Physics: Conference Series, 2017, 822, 012034.	0.4	0
28	Nanofluids Containing Titanium Dioxide: Thermo-Physical Properties and Energy Saving Applications. , 2018, , 1-20.		0