Ming Chian Yew

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3297678/publications.pdf

Version: 2024-02-01

52 papers	1,817 citations	361413 20 h-index	265206 42 g-index
52 all docs	52 docs citations	52 times ranked	1582 citing authors

#	Article	IF	Citations
1	Computational fluid dynamic and thermal analysis of Lithium-ion battery pack with air cooling. Applied Energy, 2016, 177, 783-792.	10.1	359
2	Overview of micro-channel design for high heat flux application. Renewable and Sustainable Energy Reviews, 2018, 82, 901-914.	16.4	206
3	Overview of porous media/metal foam application in fuel cells and solar power systems. Renewable and Sustainable Energy Reviews, 2018, 96, 181-197.	16.4	126
4	Fire-resistive performance of intumescent flame-retardant coatings for steel. Materials & Design, 2012, 34, 719-724.	5.1	107
5	Influence of different types of polypropylene fibre on the mechanical properties of high-strength oil palm shell lightweight concrete. Construction and Building Materials, 2015, 90, 36-43.	7.2	97
6	Computational fluid dynamics simulation on open cell aluminium foams for Li-ion battery cooling system. Applied Energy, 2017, 204, 1489-1499.	10.1	94
7	Eggshells: A novel bio-filler for intumescent flame-retardant coatings. Progress in Organic Coatings, 2015, 81, 116-124.	3.9	79
8	Influences of flame-retardant fillers on fire protection and mechanical properties of intumescent coatings. Progress in Organic Coatings, 2015, 78, 59-66.	3.9	69
9	Numerical investigation for optimizing segmented micro-channel heat sink by Taguchi-Grey method. Applied Energy, 2018, 222, 437-450.	10.1	69
10	Integration of thermal insulation coating and moving-air-cavity in a cool roof system for attic temperature reduction. Energy Conversion and Management, 2013, 75, 241-248.	9.2	58
11	Effects of heat treatment on oil palm shell coarse aggregates for high strength lightweight concrete. Materials & Design, 2014, 54, 702-707.	5.1	56
12	The formulation and study of the thermal stability and mechanical properties of an acrylic coating using chicken eggshell as a novel bio-filler. Progress in Organic Coatings, 2013, 76, 1549-1555.	3.9	47
13	Influences of nano bio-filler on the fire-resistive and mechanical properties of water-based intumescent coatings. Progress in Organic Coatings, 2018, 124, 33-40.	3.9	40
14	Experimental analysis on the active and passive cool roof systems for industrial buildings in Malaysia. Journal of Building Engineering, 2018, 19, 134-141.	3.4	39
15	Effects of Oil Palm Shell Coarse Aggregate Species on High Strength Lightweight Concrete. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	33
16	Effects of polypropylene twisted bundle fibers on the mechanical properties of high-strength oil palm shell lightweight concrete. Materials and Structures/Materiaux Et Constructions, 2016, 49, 1221-1233.	3.1	31
17	Sensitivity analysis of drill wear and optimization using Adaptive Neuro fuzzy â€“genetic algorithm technique toward sustainable machining. Journal of Cleaner Production, 2018, 172, 3289-3298.	9.3	30
18	Numerical modeling of hybrid supercapacitor battery energy storage system for electric vehicles. Energy Procedia, 2019, 158, 2750-2755.	1.8	29

#	Article	IF	Citations
19	Physico-chemical studies of amorphous carbon nanotubes synthesized at low temperature. Materials Research Bulletin, 2012, 47, 1849-1854.	5.2	25
20	Fire Propagation Performance of Intumescent Fire Protective Coatings Using Eggshells as a Novel Biofiller. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	22
21	Fire Resistance and Mechanical Properties of Intumescent Coating Using Novel BioAsh for Steel. Coatings, 2020, 10, 1117.	2.6	21
22	Effect of Epoxy Binder on Fire Protection and Bonding Strength of Intumescent Fire Protective Coatings for Steel. Advanced Materials Research, 2010, 168-170, 1228-1232.	0.3	20
23	Effects of Low Volume Fraction of Polyvinyl Alcohol Fibers on the Mechanical Properties of Oil Palm Shell Lightweight Concrete. Advances in Materials Science and Engineering, 2015, 2015, 1-11.	1.8	20
24	Fire Protection Performance and Thermal Behavior of Thin Film Intumescent Coating. Coatings, 2019, 9, 483.	2.6	17
25	Preparation of Intumescent Fire Protective Coating for Fire Rated Timber Door. Coatings, 2019, 9, 738.	2.6	15
26	Influence of high-performance polypropylene fibre and heat-treated dura oil palm shell on durability properties of lightweight concrete. European Journal of Environmental and Civil Engineering, 2020, 24, 2469-2488.	2.1	12
27	Effects of pre-treated on dura shell and tenera shell for high strength lightweight concrete. Journal of Building Engineering, 2021, 42, 102493.	3.4	11
28	Investigation on solvent-borne intumescent flame-retardant coatings for steel. Materials Research Innovations, 2014, 18, S6-384-S6-388.	2.3	10
29	Feasibility study of mist cooling for lithium-ion battery. Energy Procedia, 2017, 142, 2592-2597.	1.8	10
30	Analysis of the Polypropylene-Based Aluminium-Air Battery. Frontiers in Energy Research, 2021, 9, .	2.3	9
31	Mechanical and Thermal Properties of Synthetic Polypropylene Fiberâ€“Reinforced Renewable Oil Palm Shell Lightweight Concrete. Materials, 2021, 14, 2337.	2.9	9
32	Numerical Analyses on Aluminum Foams Cooling Plate for Lithium-ion Batteries. Energy Procedia, 2017, 105, 4751-4756.	1.8	8
33	Numerical study of the geometrically graded micro-channel heat sink for high heat flux application. Energy Procedia, 2017, 142, 4016-4021.	1.8	7
34	Characterization and fire protection properties of rubberwood biomass ash formulated intumescent coatings for steel. Journal of Materials Research and Technology, 2021, 14, 2096-2106.	5.8	6
35	Investigation of water cooled aluminium foam heat sink for concentrated photovoltaic solar cell. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012007.	0.3	4
36	Effects of Flame Retardant Nano Bio-Based Filler on Fire Behaviors of Intumescent Coating. Materials Science Forum, 2019, 947, 142-147.	0.3	4

#	Article	IF	Citations
37	Strength properties of hybrid nylon-steel and polypropylene-steel fibre-reinforced high strength concrete at low volume fraction. International Journal of Physical Sciences, 2011, 6, .	0.4	3
38	Enhancement of durability properties of heat-treated oil palm shell species lightweight concrete. AIP Conference Proceedings, 2017, , .	0.4	2
39	A New Mixing Method for Lightweight Concrete with Oil Palm Shell as Coarse Aggregate. E3S Web of Conferences, 2018, 65, 02012.	0.5	2
40	Active and passive systems for cool roofs. , 2021, , 275-288.		2
41	Mechanical Properties of Barchip Polypropylene Fibre-reinforced Lightweight Concrete Made With Recycled Crushed Lightweight Expanded Clay Aggregate. Frontiers in Materials, 2021, 8, .	2.4	2
42	Fire Resistance and Mechanical Properties of the Fire-Resistant Board. Lecture Notes in Mechanical Engineering, 2021, , 249-256.	0.4	2
43	Integration of active and passive cool roof system for attic temperature reduction. AIP Conference Proceedings, 2017, , .	0.4	1
44	Feasibility study of polypropylene-based aluminium-air battery. IOP Conference Series: Earth and Environmental Science, 2020, 463, 012155.	0.3	1
45	Integration of Lightweight Foam Concrete Roof, Moving-Air-Cavity, and Solar-Powered Fans for Attic Temperature Reduction. Frontiers in Built Environment, 2021, 7, .	2.3	1
46	Influences of macro polypropylene fibre-reinforced lightweight concrete incorporating recycled crushed LECA aggregate. IOP Conference Series: Materials Science and Engineering, 2021, 1117, 012009.	0.6	1
47	Performance of surface modification on bio-based aggregate for high strength lightweight concrete. Case Studies in Construction Materials, 2022, 16, e00910.	1.7	1
48	Effects of hybrid flame-retardant fillers on fire-resistive and mechanical properties of solvent-borne intumescent coatings. IOP Conference Series: Materials Science and Engineering, 2021, 1117, 012008.	0.6	0
49	Rainwater Harvesting System Integrated With Sensors for Attic Temperature Reduction. Frontiers in Built Environment, 2021, 7, .	2.3	0
50	Editorial: Cool Roofing Technologies for Sustainable Buildings. Frontiers in Built Environment, 2021, 7, .	2.3	0
51	Fire-Resistant Properties of Green Intumescent Coating Incorporated with BioAsh for Steel Protection. Lecture Notes in Mechanical Engineering, 2021, , 257-264.	0.4	0
52	Strength properties of renewable bio-based lightweight foam concrete incorporating of polypropylene fibre. E3S Web of Conferences, 2022, 347, 02003.	0.5	0