

Soon Poh Yap

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,842
citations

361413
20
h-index

276875
41
g-index

43
all docs

43
docs citations

43
times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of mechanical properties in polypropylene and nylon fibre reinforced oil palm shell concrete. <i>Materials & Design</i> , 2013, 49, 1034-1041.	5.1	186
2	Green concrete partially comprised of farming waste residues: a review. <i>Journal of Cleaner Production</i> , 2016, 117, 122-138.	9.3	171
3	Potential use of brick waste as alternate concrete-making materials: A review. <i>Journal of Cleaner Production</i> , 2018, 195, 226-239.	9.3	154
4	Flexural toughness characteristics of steel-polypropylene hybrid fibre-reinforced oil palm shell concrete. <i>Materials & Design</i> , 2014, 57, 652-659.	5.1	128
5	Lightweight foamed concrete as a promising avenue for incorporating waste materials: A review. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105103.	10.8	126
6	Characterization of pervious concrete with blended natural aggregate and recycled concrete aggregates. <i>Journal of Cleaner Production</i> , 2018, 181, 155-165.	9.3	112
7	Impact resistance of hybrid fibre-reinforced oil palm shell concrete. <i>Construction and Building Materials</i> , 2014, 50, 499-507.	7.2	99
8	Feasibility study of high volume slag as cement replacement for sustainable structural lightweight oil palm shell concrete. <i>Journal of Cleaner Production</i> , 2015, 91, 297-304.	9.3	88
9	Utilisation of recycled concrete aggregates for sustainable highway pavement applications; a review. <i>Construction and Building Materials</i> , 2020, 235, 117444.	7.2	87
10	Overview of supplementary cementitious materials usage in lightweight aggregate concrete. <i>Construction and Building Materials</i> , 2017, 139, 403-418.	7.2	81
11	Urban Heat Island Studies with emphasis on urban pavements: A review. <i>Sustainable Cities and Society</i> , 2020, 63, 102476.	10.4	73
12	Hydraulic and strength characteristics of pervious concrete containing a high volume of construction and demolition waste as aggregates. <i>Construction and Building Materials</i> , 2020, 253, 119251.	7.2	61
13	Laboratory study on recycled concrete aggregate based asphalt mixtures for sustainable flexible pavement surfacing. <i>Journal of Cleaner Production</i> , 2020, 262, 121462.	9.3	45
14	Viability of agricultural wastes as substitute of natural aggregate in concrete: A review on the durability-related properties. <i>Journal of Cleaner Production</i> , 2020, 275, 123062.	9.3	41
15	Thermal conductivity, compressive and residual strength evaluation of polymer fibre-reinforced high volume palm oil fuel ash blended mortar. <i>Construction and Building Materials</i> , 2017, 130, 113-121.	7.2	40
16	Mechanical strength and permeation properties of high calcium fly ash-based geopolymer containing recycled brick powder. <i>Journal of Building Engineering</i> , 2020, 32, 101655.	3.4	39
17	Response of oil palm shell concrete slabs subjected to quasi-static and blast loads. <i>Construction and Building Materials</i> , 2016, 116, 391-402.	7.2	38
18	Effect of fibre aspect ratio on the torsional behaviour of steel fibre-reinforced normal weight concrete and lightweight concrete. <i>Engineering Structures</i> , 2015, 101, 24-33.	5.3	32

#	ARTICLE	IF	CITATIONS
19	Performance evaluation of palm oil clinker sand as replacement for conventional sand in geopolymer mortar. <i>Construction and Building Materials</i> , 2020, 258, 120352.	7.2	29
20	Effect of micro-sized silica aerogel on the properties of lightweight cement composite. <i>Construction and Building Materials</i> , 2021, 290, 123229.	7.2	22
21	Torsional and cracking characteristics of steel fiber-reinforced oil palm shell lightweight concrete. <i>Journal of Composite Materials</i> , 2016, 50, 115-128.	2.4	21
22	Sustainable ternary cement blends with high-volume ground granulated blast furnace slag and fly ash. <i>Environment, Development and Sustainability</i> , 2022, 24, 4751-4785.	5.0	17
23	THE EFFECT OF ASPECT RATIO AND VOLUME FRACTION ON MECHANICAL PROPERTIES OF STEEL FIBRE-REINFORCED OIL PALM SHELL CONCRETE. <i>Journal of Civil Engineering and Management</i> , 2015, 22, 168-177.	3.5	14
24	Eco-mechanical performance of binary and ternary cement blends containing fly ash and slag. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2021, 174, 23-36.	0.7	13
25	Towards an energy efficient cement composite incorporating silica aerogel: A state of the art review. <i>Journal of Building Engineering</i> , 2021, 44, 103227.	3.4	13
26	Torsional behaviour of steel fibre-reinforced oil palm shell concrete beams. <i>Materials and Design</i> , 2015, 87, 854-862.	7.0	11
27	Ductility behaviours of oil palm shell steel fibre-reinforced concrete beams under flexural loading. <i>European Journal of Environmental and Civil Engineering</i> , 2019, 23, 866-878.	2.1	11
28	Delay Factors Management and Ranking for Reconstruction and Rehabilitation Projects Based on the Relative Importance Index (RII). <i>Sustainability</i> , 2020, 12, 6171.	3.2	11
29	High strength oil palm shell concrete beams reinforced with steel fibres. <i>Materiales De Construccion</i> , 2017, 67, 142.	0.7	11
30	Delay Factors in Reconstruction Projects: A Case Study of Matraf Expansion Project. <i>Sustainability</i> , 2018, 10, 4772.	3.2	10
31	Relationship between microstructure and performance of polypropylene fibre reinforced cement composites subjected to elevated temperature. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 1792-1806.	2.1	9
32	The strength and environmental performance of asphalt mixtures with recycled concrete aggregates. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 100, 103065.	6.8	9
33	Enunciation of size effect of sustainable palm oil clinker sand on the characteristics of cement and geopolymer mortars. <i>Journal of Building Engineering</i> , 2021, 44, 103335.	3.4	8
34	Volume based design approach for sustainable palm oil clinker as whole replacement for conventional sand in mortar. <i>Journal of Building Engineering</i> , 2020, 32, 101660.	3.4	7
35	Behaviour of fibre-reinforced cementitious composite containing high-volume fly ash at elevated temperatures. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2018, 43, 1.	1.3	6
36	Insights into the Multifaceted Applications of Architectural Concrete: A State-of-the-Art Review. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 4213-4223.	3.0	5

#	ARTICLE	IF	CITATIONS
37	Simulation-Based Sensitivity Analysis for Evaluating Factors Affecting Bus Service Reliability: A Big and Smart Data Implementation. IEEE Access, 2020, 8, 201937-201955.	4.2	4
38	Utilisation of Recycled Concrete Aggregates for Sustainable Porous Asphalt Pavements. Baltic Journal of Road and Bridge Engineering, 2022, 17, 117-142.	0.8	3
39	Materials Challenges in Reconstruction of Historical Projects: A Case Study of the Old Riwaq Project. Sustainability, 2019, 11, 4533.	3.2	2
40	The Potential of Geopolymer in Development of Green Coating Materials: A Review. Arabian Journal for Science and Engineering, 2022, 47, 12289-12299.	3.0	2
41	Torsional Crack Localization in Palm Oil Clinker Concrete Using Acoustic Emission Method. Materials, 2021, 14, 5446.	2.9	1
42	IoT Based Multidimensional Mushroom Waste Management System in Urban Area. , 2021, , .		1
43	Failure Mechanisms of Structural Bamboo Using Microstructural Analyses. Advances in Materials Science and Engineering, 2021, 2021, 1-10.	1.8	1