

# Soon Poh Yap

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3370951/publications.pdf>

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  | 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         |
| 2  | 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        |
| 3  | Utilisation of Recycled Concrete Aggregates for Sustainable Porous Asphalt Pavements. <i>Baltic Journal of Road and Bridge Engineering</i> , 2022, 17, 117-142.  | 0.8  | 3         |
| 4  | The Potential of Geopolymer in Development of Green Coating Materials: A Review. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 12289-12299.   | 3.0  | 2         |
| 5  | 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         |
| 6  | 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        |
| 7  | 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       |
| 8  | 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        |
| 9  | Torsional Crack Localization in Palm Oil Clinker Concrete Using Acoustic Emission Method. <i>Materials</i> , 2021, 14, 5446.   | 2.9  | 1         |
| 10 | 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        |
| 11 | 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         |
| 12 | 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         |
| 13 | IoT Based Multidimensional Mushroom Waste Management System in Urban Area. , 2021, , .   |      | 1         |
| 14 | Failure Mechanisms of Structural Bamboo Using Microstructural Analyses. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-10.   | 1.8  | 1         |
| 15 | Utilisation of recycled concrete aggregates for sustainable highway pavement applications; a review. <i>Construction and Building Materials</i> , 2020, 235, 117444.   | 7.2  | 87        |
| 16 | Urban Heat Island Studies with emphasis on urban pavements: A review. <i>Sustainable Cities and Society</i> , 2020, 63, 102476.  | 10.4 | 73        |
| 17 | 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        |
| 18 | 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        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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         |
| 22 | Simulation-Based Sensitivity Analysis for Evaluating Factors Affecting Bus Service Reliability: A Big and Smart Data Implementation. <i>IEEE Access</i> , 2020, 8, 201937-201955.                             | 4.2 | 4         |
| 23 | 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        |
| 24 | 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        |
| 25 | Materials Challenges in Reconstruction of Historical Projects: A Case Study of the Old Riwaq Project. <i>Sustainability</i> , 2019, 11, 4533.   | 3.2 | 2         |
| 26 | 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        |
| 27 | 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       |
| 28 | Delay Factors in Reconstruction Projects: A Case Study of Mataf Expansion Project. <i>Sustainability</i> , 2018, 10, 4772.  | 3.2 | 10        |
| 29 | 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         |
| 30 | 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       |
| 31 | Overview of supplementary cementitious materials usage in lightweight aggregate concrete. <i>Construction and Building Materials</i> , 2017, 139, 403-418.  | 7.2 | 81        |
| 32 | 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        |
| 33 | High strength oil palm shell concrete beams reinforced with steel fibres. <i>Materiales De Construccion</i> , 2017, 67, 142.  | 0.7 | 11        |
| 34 | 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        |
| 35 | Green concrete partially comprised of farming waste residues: a review. <i>Journal of Cleaner Production</i> , 2016, 117, 122-138.  | 9.3 | 171       |
| 36 | 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        |

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|----|--|-----|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | 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        |
| 40 | Torsional behaviour of steel fibre-reinforced oil palm shell concrete beams. <i>Materials and Design</i> , 2015, 87, 854-862.  | 7.0 | 11        |
| 41 | Impact resistance of hybrid fibre-reinforced oil palm shell concrete. <i>Construction and Building Materials</i> , 2014, 50, 499-507.  | 7.2 | 99        |
| 42 | Flexural toughness characteristics of steel-polypropylene hybrid fibre-reinforced oil palm shell concrete. <i>Materials &amp; Design</i> , 2014, 57, 652-659.                                      | 5.1 | 128       |
| 43 | Enhancement of mechanical properties in polypropylene and nylon fibre reinforced oil palm shell concrete. <i>Materials &amp; Design</i> , 2013, 49, 1034-1041.                                     | 5.1 | 186       |