

# A K H Kwan

## List of Publications by Year in descending order

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52  
papers

1,435  
citations

430874

18  
h-index

330143

37  
g-index

52  
all docs

52  
docs citations

52  
times ranked

736  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Concurrent paste replacement and aggregate replacement strategy for producing eco-efficient and low-carbon concrete. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 2459-2477. | 4.1 | 2         |
| 2  | Compressive Behavior of Concrete Incorporating Clay Brick Fines Added by Paste Replacement Method. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .                              | 2.9 | 9         |
| 3  | Novel Hybrid Fiber Factor for Hybrid Fiber-Reinforced Concrete. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .   | 2.9 | 12        |
| 4  | Cement Equivalence of Metakaolin for Workability, Cohesiveness, Strength and Sorptivity of Concrete. <i>Materials</i> , 2020, 13, 1646.  | 2.9 | 13        |
| 5  | Reutilization of Clay Brick Waste in Mortar: Paste Replacement versus Cement Replacement. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, 04019129.                               | 2.9 | 35        |
| 6  | Discussion: Use of adiabatic calorimetry for performance assessment of concretes. <i>Advances in Cement Research</i> , 2017, 29, 135-136.  | 1.6 | 0         |
| 7  | Triple Blending with Fly Ash Microsphere and Condensed Silica Fume to Improve Performance of Cement Paste. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 618-626.               | 2.9 | 17        |
| 8  | Semi-adiabatic Curing Test with Heat Loss Compensation for Evaluation of Adiabatic Temperature Rise of Concrete. <i>HKIE Transactions</i> , 2012, 19, 11-19.                                   | 0.1 | 4         |
| 9  | Wet packing of blended fine and coarse aggregate. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 817-828.  | 3.1 | 43        |
| 10 | Combined effects of water film thickness and paste film thickness on rheology of mortar. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 1359-1374.                     | 3.1 | 85        |
| 11 | Flexural ductility and deformability of concrete beams incorporating high-performance materials. <i>Structural Design of Tall and Special Buildings</i> , 2012, 21, 114-132.                   | 1.9 | 12        |
| 12 | Effects of CSF content on rheology and cohesiveness of mortar. <i>Magazine of Concrete Research</i> , 2011, 63, 99-110.  | 2.0 | 12        |
| 13 | Modelling Dowel Action of Discrete Reinforcing Bars in Cracked Concrete Structures. <i>AIP Conference Proceedings</i> , 2010, , .  | 0.4 | 3         |
| 14 | Tension stiffening in concrete beams. Part 2: member analysis. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2010, 163, 29-39.                          | 0.8 | 8         |
| 15 | Wet packing of crushed rock fine aggregate. <i>Materials and Structures/Materiaux Et Constructions</i> , 2009, 42, 631-643.  | 3.1 | 62        |
| 16 | Flexural ductility of high-strength concrete columns with minimal confinement. <i>Materials and Structures/Materiaux Et Constructions</i> , 2009, 42, 909-921.                                 | 3.1 | 36        |
| 17 | Packing density of cementitious materials: part 2—packing and flow of OPC+PFA+CSF. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008, 41, 773-784.                             | 3.1 | 199       |
| 18 | Effects of packing density, excess water and solid surface area on flowability of cement paste. <i>Advances in Cement Research</i> , 2008, 20, 1-11.   | 1.6 | 111       |

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|----|--|-----|-----------|
| 19 | Packing density of cementitious materials: measurement and modelling. Magazine of Concrete Research, 2008, 60, 165-175.  | 2.0 | 57        |
| 20 | Rheology of Cement Paste: Role of Excess Water to Solid Surface Area Ratio. Journal of Materials in Civil Engineering, 2008, 20, 189-197.  | 2.9 | 116       |
| 21 | Complete nonlinear response of reinforced concrete beams under cyclic loading. Structural Design of Tall and Special Buildings, 2007, 16, 107-130.                                       | 1.9 | 15        |
| 22 | Reducing damage to concrete stitches in bridge decks. Proceedings of the Institution of Civil Engineers: Bridge Engineering, 2006, 159, 53-62.   | 0.6 | 8         |
| 23 | Design of high-strength concrete beams subjected to small axial loads. Magazine of Concrete Research, 2006, 58, 333-341.   | 2.0 | 4         |
| 24 | Passing ability and segregation stability of self-consolidating concrete with different aggregate proportions. Magazine of Concrete Research, 2006, 58, 447-457.                         | 2.0 | 32        |
| 25 | Flexural strengthâ€“ductility performance of flanged beam sections cast of high-strength concrete. Structural Design of Tall and Special Buildings, 2004, 13, 29-43.                     | 1.9 | 16        |
| 26 | Theoretical study on effect of confinement on flexural ductility of normal and high-strength concrete beams. Magazine of Concrete Research, 2004, 56, 299-309.                           | 2.0 | 15        |
| 27 | Minimum flexural ductility design of high-strength concrete beams. Magazine of Concrete Research, 2004, 56, 13-22.   | 2.0 | 34        |
| 28 | Minimum flexural ductility design of high-strength concrete beams. Magazine of Concrete Research, 2004, 56, 13-22.   | 2.0 | 8         |
| 29 | High-performance concrete buildings for the new millennium. Structural Control and Health Monitoring, 2003, 5, 263-273.  | 0.7 | 7         |
| 30 | Safety and Design of Vertical Breakwaters. HKIE Transactions, 2003, 10, 1-7.   | 0.1 | 0         |
| 31 | Effects of Using High-strength Concrete on Flexural Ductility of Reinforced Concrete Beams. HKIE Transactions, 2002, 9, 14-21.   | 0.1 | 0         |
| 32 | Flexural strength and ductility of reinforced concrete beams. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2002, 152, 361-369.                           | 0.8 | 37        |
| 33 | Cyclic behaviour of deep reinforced concrete coupling beams. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2002, 152, 283-293.                            | 0.8 | 43        |
| 34 | Effects of various shape parameters on packing of aggregate particles. Magazine of Concrete Research, 2001, 53, 91-100.  | 2.0 | 88        |
| 35 | Flexural strength and ductility of reinforced normal- and high-strength concrete beams. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2001, 146, 381-389. | 0.8 | 91        |
| 36 | Elastic Modulus of Normal- and High-Strength Concrete in Hong Kong. HKIE Transactions, 2001, 8, 10-15.   | 0.1 | 2         |

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|----|--|-----|-----------|
| 37 | Effects of various shape parameters on packing of aggregate particles. Magazine of Concrete Research, 2001, 53, 91-100.  | 2.0 | 8         |
| 38 | Non-planar beam-wall joints in tall building structures. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2000, 140, 73-83.          | 0.8 | 8         |
| 39 | Some Mechanical Properties of High-Strength Concrete in Hong Kong. HKIE Transactions, 2000, 7, 13-18.  | 0.1 | 1         |
| 40 | Tensile Strength and Elastic Modulus of Typical Concrete Made in Hong Kong. HKIE Transactions, 2000, 7, 35-40.   | 0.1 | 5         |
| 41 | Development of High Strength Self Leveling Continue for Hong Kong. HKIE Transactions, 1999, 6, 6-10.   | 0.1 | 0         |
| 42 | Some Parametric Studies on the Production of High Strength Concrete in Hong Kong. HKIE Transactions, 1999, 6, 15-19.   | 0.1 | 0         |
| 43 | Linseed Oil-Based Concrete Surface Treatment for Building and Highway Structures in Hong Kong. HKIE Transactions, 1999, 6, 36-41.                                | 0.1 | 0         |
| 44 | Shear Lag in Shear/Core Walls. Journal of Structural Engineering, 1996, 122, 1097-1104.  | 3.4 | 37        |
| 45 | High Performance Grade 75-80 Concrete for In-Situ Construction in Hong Kong. HKIE Transactions, 1994, 1, 29-36.  | 0.1 | 0         |
| 46 | Simple Method for Approximate Analysis of Framed Tube Structures. Journal of Structural Engineering, 1994, 120, 1221-1239.                                       | 3.4 | 75        |
| 47 | Improved Wide-Column-Frame Analogy for Shear/Core Wall Analysis. Journal of Structural Engineering, 1993, 119, 420-437.  | 3.4 | 13        |
| 48 | Mixed Finite Element Method for Analysis of Coupled Shear/Core Walls. Journal of Structural Engineering, 1993, 119, 1388-1401.                                   | 3.4 | 21        |
| 49 | REFORMULATION OF THE FRAME METHOD.. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 1992, 94, 103-116.                              | 0.8 | 3         |
| 50 | Analysis of Buildings Using Strain-Based Element with Rotational DOFs. Journal of Structural Engineering, 1992, 118, 1191-1212.                                  | 3.4 | 15        |
| 51 | ANALYSIS OF COUPLED WALL/FRAME STRUCTURES BY FRAME METHOD WITH SHEAR DEFORMATION ALLOWED.. Proceedings of the Institution of Civil Engineers, 1991, 91, 273-297. | 0.1 | 12        |
| 52 | Effects of Condensed Silica Fume and Superfine Cement on Flowability of Cement Paste. Applied Mechanics and Materials, 0, 121-126, 2695-2700.                    | 0.2 | 1         |