

Ir Prof. POON Chi Sun
Chair Professor of Sustainable Construction Materials
Department of Civil and Environmental Engineering
The Hong Kong Polytechnic University

EDUCATION

B.Sc. (Eng.) Civil & Environmental Engineering, University of Newcastle, U.K. (1982)
Ph.D. Public Health (Environmental) Engineering, Imperial College, University of London (1985)
DIC Imperial College of Science and Technology, UK (1986)

PROFESSIONAL QUALIFICATIONS

Fellow, The Hong Kong Institution of Engineers (FHKIE)

PROFESSIONAL EXPERIENCE

1981 Mok & Associate Geotechnical Engineers, Trainee Engineer
1982-85 Wimpey Laboratories Ltd., Researcher
1985-87 Oxford University, Research Fellow
1988-89 Hong Kong Polytechnic, Researcher
1989 ERL (Asia) Ltd., Senior Consultant
1989-91 Environmental Protection Department, Hong Kong Government, Environmental Protection Officer
1992 Lecturer, The Hong Kong Polytechnic University, then University Lecturer
1994-2015 University Senior Lecturer, The Hong Kong Polytechnic University, then Associate Professor and Professor
2015, July - Chair Professor of Sustainable Construction Materials, The Hong Kong Polytechnic University
1999-date Guest Professor, Wuhan University of Technology
2009-date Guest Professor, Institute of Urban Environment, Chinese Academy of Sciences
2014-date Guest Professor, Qingdao Technological University

EDITOR AND REVIEWER

- Editor: Construction and Building Materials (2014 to date)
- Associate Editor: Waste Management, an international journal (2015-)
- Associate Editor: Journal of Sustainable Cement-based Materials (2012 to date)
- Editorial Board Member: Construction Materials, Proceedings of ICE (2008 to 2014)
- Guest Editor: Special Issue, Construction and Building Materials 2012
- Associate Editor: Waste Management, an international journal (2003-2008)
- Guest Editor: Chemosphere, Special Issue, Vol. 44, Issue 1, 2001
- Guest Editor: Applied Geochemistry, Special Issue, Vol. 16, Numbers 11-12, 2001
- Reviewer: Various international journals in concrete and environmental technologies

PROFESSIONAL AND COMMUNITY SERVICES

- Hong Kong Institution of Engineers (HKIE) Environmental Discipline, **Panel Chair and Discipline Representative**, 2012- 2015, Panel Member (2009 – date)
- Hong Kong Green Building Council, Green Building Faculty, and **Panel Chair of Materials Aspects of BEAM PLUS Assessment (2010-2017)**
- Hong Kong Institution of Engineers (HKIE) Environmental Discipline, Professional Assessor, 2002 to date.
- HKIE, Environmental Division Committee Member (**Chairman, 2003-04**), (1997-2005)
- American Concrete Institute, **President of ACI China Chapter (2005)**
- Hong Kong Concrete Institute, Executive Committee Members (**President 2014-date**), (2009 - date)
- Hong Kong Waste Management Association, Committee Member (**Chairman, 2001-02**), (1993-2005)
- Hong Kong Accreditation Services, Technical Expert, (2012-2015)
- Member, Advisory Council on the Environment HKSAR Govt, (2003 to 2008)
- Member, Council for Sustainable Development, HKSAR Govt. (2009-2015)
- Member, Advisory Committee on Recycling Fund, HKSAR Govt, (2015 - date)
- Justice of Peace (2013 -)

THESIS SUPERVISED

Completed

PhD	13 (10 chief supervisor, 3 co-supervisor)
MPhil	11 (5 chief supervisor, 6 co-supervisor)

On-going

PhD	7 (4 chief supervisor, 3 co-supervisor)
MPhil	-

AWARDS

PTeC's Outstanding & Professional Services & Innovations Awards 2004, Most Active Consultant Award (Merit)

Best Paper Award, 1st Canadian Conference on Effective Design of Structures (2005).

Gold Award: 6th China International Invention Exhibition Awards, 2008

Dean's Award for Outstanding Achievement in Technology Transfer (2009), Hong Kong Polytechnic University.

Dean's Award for Outstanding Achievement in Research Funding 2012

Faculty Award for Outstanding Teaching Award (Team leader of Team Award), 2012

Justice of Peace, HKSAR Government (2013 -)

Outstanding Paper Award, 3rd International Conference on Sustainable Construction Materials and Technologies, Kyoto Japan, 2013

Guangdong Province Science and Technology Award, 2015, First Prize

CIC (Construction Industry Council) Innovation Award, 2015, Second Prize

Hong Kong Green Building Council, Green Building Award (Building Products and Technologies Category) 2016, Merit.

Hong Kong Award for Environmental Excellence, Hong Kong Green Innovations Awards, 2017, Bronze Award

RESEARCH AND CONSULTANCY PROJECTS

Selected Externally Funded Research Projects

1. Evaluating Options for Reusing Sorted Construction Waste Generated from Building Sites, General Research Fund \$456,000, Jun 2007 – Jun 2009.
2. Enhancing the Durability of Recycled Aggregate Concrete, Sun Hung Kai Properties Ltd. \$2,000,000, Jan 2009 to Dec 2010.
3. A Study of Durability of the Adhesive Bonding System within Externally Bonded CFRP Laminates to Concrete Using Full-field Nondestructive, Non-contact and Quantitative Infrared Thermography (QIRT), General Research Fund \$431,000, Jan 2009 – Jun 2011.
4. Recycling of CRT Glass from Discarded Computer Monitors and TV Sets, Environment and Conservation Fund \$380,000, Aug 2009 – Feb 2011.
5. Quantitative Analysis of External Wall Debond using Noncontact and Nondestructive Infrared Thermography, Innovation and Technology Fund \$980,000, Nov 2011 to April 2013
6. Utilizing Recycled Waste Glass in Architectural Mortar with Self-cleaning and Anti-bacterial Function, Environment and Conservation Fund, \$782,900, Jan 2012 - Jun 2013
7. Feasibility of Utilizing Sewage Sludge Incinerator Ash for Concrete Blocks Production, Environment and Conservation Fund, \$792,040, April 2013 – April 2015
8. Impact of Government Policy on the Use of Prefabrication and Associated Waste Reduction Levels in High-rise Building Construction in Hong Kong, GRF, \$500,000. Sept 2013 – Aug 2015 (Co-I)

9. Recycling Timber and Bamboo Construction Waste into Activated Carbons and Wood-Plastic Composites, Construction Industry Institute/PolyU Innovation Fund, \$300,000, May 2013-April 2015 (Co-I)
10. Sustainable Land Decontamination Methods for Application in Land Development Project, Collaborative project funded by CEDD, \$466,000, Jan 2014- Feb 2015, PI of sub-project
11. Study on Key Technology of Reusing Construction and Demolition Waste, ITF Tier 2, \$2,000,000, Feb 2014 to Feb 2016
12. Recycling Used Timber Formwork into Lightweight, Thermal-insulating Cement-bonded Particleboards, CIC, HK\$1,192,320 May 2014 to April 2016 (Co-I)
13. Feasibility of extraction of phosphate from sewage sludge ash after incineration, GRF, 2014 -2018, HK\$692,894
14. Hong Kong Branch of Chines National Engineering Research Center for Steel Structures - PI of sub-topic : Localized Corrosion in Reinforced Concrete Structures, ITF/PolyU, 2016- 2019: HK\$2,500,000.
15. Advanced Dispersion Technology of Nanoparticles for Ultra-durable Concrete: ITF-NAMI, 2016-2017: HK\$902,750
16. Development of a Novel Way to Maximize the Use of Waste Glass in Precast Alkali Activated Cement, ECF, 2017-2019, HK\$1,080,920.
17. Effects of Degree of Accelerated Carbonation of Recycled Aggregates on the Macro- and Micro-Structural Properties of Recycled Aggregate Concrete, GRF, 2018-2012, HK\$582,000.

Selected Recent Consultancy Projects

1. Study on Expected Useful Life of Housing Authority Buildings completed after 1987, Hong Kong Housing Authority, July 2009 – June 2010, \$1,200,000
2. Feasibility of Using Sludge Ash as Alternate Construction Materials, Sita Waste Services Ltd, Feb to May 2010, \$100,000
3. Study on the Durability Properties of Concrete tiles/Paints Interfacial Bonds of GGBS Concrete, Hong Kong Housing Authority, Aug 2010 - Dec 2011, \$200,000
4. Study on Effectiveness of Heat Insulation of Double Wall and Noise Reduction of Double Slabs, Hong Kong Housing Authority, Jan 2011 to Dec 2011, \$400,000

5. Collaboration Research on the Use of Recycled Sub-base, Highways Department, March 2012 – Oct 2012, \$420,000
6. Feasibility of Reutilizing Textile Wastewater Sludge at Esquel's Goaming Plant in Eco-blocks, Esquel Enterprises Ltd, June 2012 - Dec 2012, \$200,000.
7. Collaboration Study on Application of Self-compacting materials for Trench backfilling in Hong Kong, Highways Department, Oct 2013 – Dec 2015, \$1,419,000
8. Study on the Compatibility of Using GGBS and OPC Concrete in Construction of Semi-Precast Slab, Hong Kong Housing Authority, April 2014 – Sept 2014, \$350,000.
9. Recycling of Wood Waste, Greenway Building Materials Ltd, April 2014 – Sept 2014, \$100,000.
10. Development and Characterization of Fire Resistant High Strength Concrete, NAMI, March 2016 to Dec 2016, \$400,000.

PUBLICATIONS

Publication Records (as of Sept 2017)

Authors of 6 books, editor of 2 international conference proceedings, editor of 3 special issues of international journals, and published over 400 papers, including over 250 peer reviewed research papers in international journals.

Publication	Number	H-Indexes
Refereed Journal papers	313	Web of Science :45
Refereed Conference papers	154	Google Scholar : 67
Books	6	Research Gate : 44.09
Book Chapters	4	Scopus : 51
Patents	10	

Journal Papers

1. C. S. Poon, C.J. Peters and R. Perry (1983), "Use of Stabilisation Processes in the Control of Toxic Waste". *Effluent and Water Treatment Journal*, Vol. 23(11), pp. 451-459.
2. C.S. Poon, C.J. Peters, R. Perry and C.P.V. Knight (1984), "Assessing the Leaching Characteristics of Stabilised Toxic Waste by Use of Thin Layer Chromatography". *Environmental Technology Letters*, Vol. 5(1), pp. 1-6.
3. C.S. Poon, A.I. Clark and R. Perry (1985), "Investigation of the Physical Properties of Cement Based Fixation Process for the Disposal of Toxic Waste". *Public Health Engineers*, Vol. 13, pp. 108-111.
4. C.S. Poon, A.I. Clark, C.J. Peters and R. Perry (1985), "Mechanisms of Metal Fixation and Leaching by Cement Based Fixation Processes". *Waste Management and Research*, Vol. 3(2), pp. 127-142.
5. C.S. Poon, C.J. Peters, R. Perry, A.P. Barker and P. Barnes (1985), "Mechanisms of Metal Stabilization by Cement Based Fixation Processes". *Science of the Total Environment*, Vol. 41(1), pp. 55-71.
6. C.S. Poon, A.I. Clark, R. Perry, A.P. Barker and P. Barnes (1986), "Permeability Study on the Cement Based Solidification Process for the Disposal of Hazardous Waste". *Cement and Concrete Research*, Vol. 16(2), pp. 161-172.
7. C.S. Poon, A.I. Clark and R. Perry (1986), "Atomic Structure Analysis of Stabilised Toxic Waste". *Environmental Technology Letters*, Vol. 6, pp. 461-468.
8. C.S. Poon, L.E. Wassell and G.W. Groves (1987), "High Strength Refractory Aluminous Cement". *Journal of British Ceramic Society*, Vol. 86, pp. 58-62.

9. C.S. Poon and G.W. Groves (1987), "The Effect of Latexes on Macro Defect Free Cement". *Journal of Material Science*, Vol. 22, pp. 2148-2152.
10. C.S. Poon, L.E. Wassell and G.W. Groves (1987), "Stability of Macro Defect Free Cement". *Material Science and Technology*, Vol. 3, pp. 993-996.
11. C.S. Poon and G.W. Groves (1988), "The Microstructure of Macrodefect Free Cement with Different Polymer Content and the Effect on Water Stability". *Journal of Material Science*, Vol. 23, pp. 657-660.
12. C.S. Poon and G.W. Groves (1988), "Tem Observation of a High-Alumina Cement Paste". *Journal of Material Science Letters*, Vol. 7, pp. 243-244.
13. C.S. Poon and G.R. Baldwin (1989), "Corrosion of Steel in Concrete - A Basic Understanding and Research Needs in Hong Kong". *Hong Kong Engineers*, pp. 22-28.
14. C.S. Poon and G.R. Baldwin (1989), "The Influence of Weather on the Corrosion of Steel Reinforcement in Hong Kong". *Structural Survey*, Vol. 8(2), pp. 169-176.
15. S.S. Chung and C.S. Poon (1994), "Waste Recycling Policy in Hong Kong". *Waste Management and Research*, Vol. 12(1), pp. 21-32.
16. S.S. Chung and C.S. Poon (1994), "Hong Kong Citizens' Attitude Towards Waste Recycling and Waste Minimization Measures". *Resources, Conservation and Recycling*, Vol. 10(4), pp. 377-400.
17. S.S. Chung and C.S. Poon (1994), "Recycling Behaviour and Attitude: the Case of Hong Kong People on Commercial and Household Wastes". *International Journal of Sustainable Development and World Ecology*, Vol. 1, pp. 130-145.
18. S.S. Chung and C.S. Poon (1994), "An Analysis of Waste Recycling Policy in Hong Kong". *Asia Engineers*, pp. 20-24.
19. S.S. Chung and C.S. Poon (1996), "Evaluating Waste Management Alternatives by the Multiple Criteria Approach". *Resources, Conservation and Recycling*, Vol. 17(3), pp. 189-210.
20. S.S. Chung and C.S. Poon (1996), "The Attitudinal Differences in Source Separation and Waste Reduction between the General Public and Housewives in Hong Kong". *Journal of Environmental Management*, Vol. 48(3), pp. 215-227.
21. C.S. Poon and M. Boost (1996), "The Stabilisation of Sewage Sludge by Pulverized Fuel Ash and Related Materials". *Environmental International*, Vol. 22(6), pp. 705-710.
22. S.S. Chung, C.S. Poon and L.S. Ho (1996), "How Can Waste Recycling and Waste Minimization be Fitted into Hong Kong's Waste Management System?". *Transactions of Hong Kong Institution of Engineers*, Vol. 3(1), pp. 9-16.
23. C.S. Poon, C.M. Cheung and Y.Q. Xu (1996), "Building Waste Minimisation in Hong Kong Construction Industry". *Journal of Solid Waste Technology and Management*, Vol. 23(2), pp. 111-117.

24. L.Y. Chan, Y. Qin, S.S. Chung and C.S. Poon (1997), "A Comparison of the Municipal Refuse Compositions and Management Policy in Hong Kong, Guangzhou, Foshan and Beijing". *Environmental Science (in Chinese)*, Vol. 18(2), pp. 58-61.
25. S.S. Chung and C.S. Poon (1997), "Quantifying Externalities in Solid Waste Management in Hong Kong". *Journal of Environmental Engineering, ASCE*, Vol. 123(3), pp. 282-289.
26. C.S. Poon (1997), "Management and Recycling of Demolition Waste in Hong Kong". *Waste Management and Research*, Vol. 15(6), pp. 561-572.
27. C.S. Poon and K.W. Lio (1997), "The Limitation of the Toxicity Characteristics Leaching Procedure for Evaluating Cement-Based Stabilised/Solidified Waste Forms". *Waste Management*, Vol. 17 (1), pp. 15-23.
28. C.S. Poon, Y.L. Wong and L. Lam (1997), "The Influence of Different Curing Conditions on the Pore Structure and Related Properties of Fly-Ash Cement Pastes and Mortars". *Construction and Building Materials*, Vol. 11(7-8), pp. 383-393.
29. M. Boost and C.S. Poon (1998), "The Effect of a Modified Method of Lime-Stabilisation Sewage Treatment on Enteric Pathogens". *Environment International*, Vol. 24(7), pp. 783-788.
30. C.W. Chu, C.S. Poon and R. Cheung (1998), "Characterization of Raw Sludge, Chemically Modified Sludge and Anaerobically Digested Sludge in Hong Kong". *Water Science and Technology*, Vol. 38, pp. 25-32.
31. S.S. Chung and C.S. Poon (1998), "A Comparison of Waste Management in Guangzhou and Hong Kong". *Resources, Conservation and Recycling*, Vol. 22(3-4), pp. 203-216.
32. S.S. Chung and C.S. Poon (1998), "Recovery Systems in Guangzhou and Hong Kong". *Resources, Conservation and Recycling*, Vol. 23(1-2), pp. 29-45.
33. L. Lam, Y.L. Wong and C.S. Poon (1998), "Effect of Fly Ash and Silica Fume on Compressive and Fracture Behaviors of Concrete". *Cement and Concrete Research*, Vol. 28(2), pp. 271-283.
34. S.S. Chung and C.S. Poon (1998), "The Waste Paper and Plastic Recovery Industry of Hong Kong and the Waste Reduction Framework Plan". *Journal of Business and Information System*, Vol. 3(1), pp. 137-152.
35. C.S. Poon (1998), "The Influence of Admixtures on the Microstructure and Water Stability of Macro-Defect Free Cement". *Journal of Materials Science Letters*, Vol. 17(18), pp. 1593-1595.
36. C.S. Poon, Q. Huang and P.C. Fung (1999), "Degradation Kinetics of Cuprophenyl Yellow RL by UV/H₂O₂/US Process in Aqueous Solution". *Chemosphere*, Vol. 38(5), pp. 1005-1014.
37. C.W. Chu and C.S. Poon (1999), "The Feasibility of Planting on Stabilized Sludge-Amended Soil". *Environment International*, Vol. 25(4), pp. 465-477.

38. S.S. Chung and C.S. Poon (1999), "The Attitudes of Guangzhou Citizens on Waste Reduction and Environmental Issues". *Resources, Conservation and Recycling*, Vol. 25(1), pp. 35-59.
39. P.C. Fung, Q. Huang, S.M. Tsui and C.S. Poon (1999), "Treatability Study of Organic and Colour Removal in Desizing/Dyeing Wastewater by UV/US system Combined with Hydrogen Peroxide". *Water Science and Technology*, Vol. 40(1), pp. 153-160.
40. S.C. Lee, C.S. Poon, X.D. Li and F. Luk (1999), "Indoor Air Quality Investigation on Commercial Aircraft". *Indoor Air*, Vol. 9, pp. 180-187.
41. C.S. Poon and Z.Q. Chen (1999), "Comparison of the Characteristics of Flow-Through and Flow-Around Leaching Tests of Solidified Heavy Metal Wastes". *Chemosphere*, Vol. 38(3), pp. 663-680.
42. C.S. Poon, Z.Q. Chen and O. Wai (1999), "A Flow-through Leaching Model for Monolithic Chemically Stabilised/Solidified Hazardous Waste". *Journal of the Air and Waste Management Association*, Vol. 49, pp. 569-575.
43. C.S. Poon and C.W. Chu (1999), "The Use of Ferric Chloride and Anionic Polymer in the Chemically Assisted Primary Sedimentation Process". *Chemosphere*, Vol. 39(10), pp. 1773-1582.
44. C.S. Poon and C.W. Chu (1999), "Planting Grass on Stabilized Chemically Assisted Precipitated Sewage Sludge". *Journal of Toxicological and Environmental Chemistry*, Vol. 72, pp. 159-170.
45. C.S. Poon, L. Lam, S.C. Kou and Z.S. Lin (1999), "A Study on the Hydration Rate of Natural Zeolite Blended Cement Pastes". *Construction and Building Materials*, Vol. 13(8), pp. 427-432.
46. C.S. Poon, L. Lam and Y.L. Wong (1999), "Effects of Fly Ash and Silica Fume on Interfacial Porosity of Concrete". *Journal of Materials in Civil Engineering, ASCE*. Vol. 11(3), pp. 197-205.
47. Y.L. Wong, L. Lam, C.S. Poon and F.P. Zhou (1999), "Properties of Fly Ash-Modified Cement Mortar-Aggregate Interfaces". *Cement and Concrete Research*, Vol. 29(12), pp. 1905-1913.
48. S.S. Chung and C.S. Poon (2000), "A Comparison of Waste Reduction Practices and the New Environmental Paradigm in Four Southern Chinese Areas". *Environmental Management*, Vol. 26(2), pp. 195-206.
49. L. Lam, Y.L. Wong and C.S. Poon (2000), "Degree of Hydration and Gel/Space Ratio of High-Volume Fly Ash/Cement Systems". *Cement and Concrete Research*, Vol. 30(5), pp. 747-756.
50. I.M.L. Lo, C.I. Tang, X.D. Li and C.S. Poon (2000), "Leaching and Microstructural Analysis of Cement-Based Solidified Wastes". *Environmental Science & Technology*, Vol. 34, pp. 5038- 5042.

51. C.S. Poon, L. Lam and Y.L. Wong (2000), "A Study on High Strength Concrete Prepared with Large Volumes of Low Calcium Fly Ash". *Cement and Concrete Research* Vol. 30(3), pp. 447-455.
52. S.S. Chung and C.S. Poon (2001), "Accounting for the Shortage of Solid Waste Disposal Facilities in Southern China". *Environmental Conservation*, Vol. 28(2), pp. 93-103.
53. S.S. Chung and C.S. Poon (2001), "A Comparison of Waste Reduction Practices and New Environmental Paradigm of Rural and Urban Chinese Citizens". *Journal of Environmental Management*, Vol. 62(1), pp. 3-19.
54. S.S. Chung and C.S. Poon (2001), "Characterisation of Municipal Solid Waste and its Recyclable Contents of Guangzhou". *Waste Management and Research*, Vol. 19, pp. 473-485.
55. X.D. Li, C.S. Poon and P.S. Liu (2001), "Heavy Metal Contamination of Urban Soils and Street Dust in Hong Kong". *Applied Geochemistry*, Vol. 16(11-12), pp. 1361-1368.
56. X.D. Li, C.S. Poon, H. Sun, I.M.C. Lo and D.W. Kirk (2001), "Heavy Metal Specifications and Leaching Behaviours in Cement Based Solidified/Stabilised Waste Materials". *Journal of Hazardous Materials*, Vol. 82(3), pp. 215-230.
57. I.M.L. Lo, C.I. Tang, X.D. Li and C.S. Poon (2001), "Leaching and Microstructural Analysis of Cement-Based Solidified Wastes: Response to comments". *Environmental Science & Technology*, Vol. 35 (21), pp. 4395-4395.
58. C.S. Poon, Z.Q. Chen and O. Wai (2001), "The Effect of Flow-Through Leaching on the Diffusivity of Heavy metals in Stabilized/Solidified Wastes". *Journal of Hazardous Materials*, Vol. 81(1-2), pp. 179-192.
59. C.S. Poon, K.W. Lio and C.I. Tang (2001), "A Systematic Study on Cement/PFA Chemical Stabilization/Solidification Process for the Treatment of Heavy Metal Waste", *Waste Management and Research*, Vol. 19(4), pp. 276-283.
60. C.S. Poon, Ann T.W. Yu and L.H. Ng (2001), "On-Site Sorting of Construction and Demolition Waste in Hong Kong". *Resources, Conservation and Recycling*, Vol. 32(2), pp. 157-172.
61. C.S. Poon, S.C. Kou, L. Lam and Z.S. Lin (2001), "Activation of Fly Ash/Cement Systems Using Calcium Sulfate Anhydrite CaSO_4 ". *Cement and Concrete Research*, Vol. 31(6), pp. 873-881.
62. C.S. Poon, L. Lam, S.C. Kou, Y.L. Wong and R. Wong (2001), "Rate of Pozzolanic Reaction of Metakaolin in High-Performance Cement Pastes". *Cement and Concrete Research*, Vol. 31(9), pp. 1301-1306.
63. C.S. Poon, S. Azhar, M. Anson and Y.L. Wong (2001), "Comparison of the Strength and Durability Performance of Normal- and High-Strength Pozzolanic Concretes at Elevated Temperatures". *Cement and Concrete Research*, Vol. 31(9), pp. 1291-1300.

64. C.S Poon, S. Azhar, M. Anson and Y.L. Wong (2001), "Strength and Durability Recovery of Fire-Damaged Concrete after Post-Fire Curing". *Cement and Concrete Research*, Vol. 31(9), pp. 1307-1318.
65. X.D. Li, Y. M. Zhang, C.S. Poon and I.M.C. Lo (2001), "Study of Zinc in Cementitious Material Stabilised/Solidified Wastes by Sequential Chemical Extraction and Microstructural Analysis". *Chemical Speciation and Bioavailability*, Vol. 13, pp. 1-7.
66. Y. Xu, Y.L. Wong, C.S. Poon and M. Anson (2001), "Impact of High Temperature on PFA Concrete". *Cement and Concrete Research*, Vol. 31(7), pp. 1065-1073.
67. C.S. Poon, S.C. Kou and L. Lam (2002), "Pore Size Distribution of High Performance Metakaolin Concrete". *Journal of Wuhan University of Technology, Materials Science Edition*, Vol. 17(1), pp. 42-46.
68. C.S. Poon, S.C. Kou and L. Lam (2002), "Use of Recycled Aggregates in Molded Concrete Bricks and Blocks". *Construction and Building Materials*, Vol. 16(5), pp. 281-289.
69. S.S. Chung, C.W.H. Lo and C.S. Poon (2002), "Factors Affecting Waste Disposal Facilities Siting in Southern China". *Journal of Environmental Assessment Policy and Management*, Vol. 4(2), pp. 241-262.
70. C.S. Poon and L. Jaillon (2002), "Minimizing Construction and Demolition Waste at the Design Stage". *The Official Journal of the Hong Kong Institute of Architects*, Issue No. 33/3rd Quarter, pp. 50-55.
71. X.C. Qiao, Z.S. Lin, S.C. Kou and C.S. Poon (2003), "Preliminary Study on the Pozzolanic Properties of Rejected Fly Ash". *Journal of Wuhan University of Technology*, Vol. 25(8), In Chinese.
72. X.D. Li, C.S. Poon, S.C. Lee, S.S. Chung and F. Luk (2003), "Waste Reduction and Recycling Strategies for the In-Flight Services in the Airline Industry". *Resources, Conservation and Recycling*, Vol. 37(2), pp. 87-99.
73. C.S. Poon (2003), "Editorial". *Waste Management*, Vol. 23(4), pp. iii.
74. C.S. Poon and S. Azhar (2003), "Deterioration and Recovery of Metakaolin Blended Concrete Subjected to High Temperature". *Fire Technology*, Vol. 39(1), pp. 23-34.
75. C.S. Poon, S. Azhar, M. Anson and Y.L. Wong (2003), "Performance of Metakaolin Concrete at Elevated Temperatures". *Cement and Concrete Composites* Vol. 25(1), pp. 83-89.
76. C.S. Poon, Ann T.W. Yu and L.H. Ng (2003), "Comparison of Low-Waste Building Technologies Adopted in Public and Private Housing Projects in Hong Kong". *Engineering, Construction and Architectural Management*, Vol. 10(2), pp. 88-98.
77. C.S. Poon, X. Qiao and Z.S. Lin (2003), "Pozzolanic Properties of Reject Fly Ash in Blended Cement Pastes". *Cement and Concrete Research*, Vol. 33(11), pp. 1857-1865.

78. X.C. Qiao, C.S. Poon and Z.S. Lin (2003), "Activation of Rejected Fly Ash Using Flue Gas Desulphurization (FGD) Sludge". *Journal of Wuhan University of Technology-Materials Science Edition*, Vol. 18(4), pp. 84-88.
79. Y. Xu, Y.L. Wong, C.S. Poon and M. Anson (2003), "Influence of PFA on Cracking of Concrete and Cement Paste after Exposure to High Temperatures". *Cement and Concrete Research*, Vol. 33(12), pp. 2009-2016.
80. Y.F. Fu, Y.L. Wong, C.A. Tang, C.S. Poon (2004), "Thermal Induced Stress and Associated Cracking in Cement-based Composite at Elevated Temperature – Part I: Thermal Cracking around Single Inclusion". *Cement and Concrete Composites*, Vol. 26(2), pp. 99-111.
81. Y.F. Fu, Y.L. Wong, C.A. Tang, C.S. Poon (2004), "Thermal Induced Stress and Associated Cracking in Cement-based Composite at Elevated Temperature – Part II: Thermal Cracking around Multiple Inclusions". *Cement and Concrete Composites*, Vol. 26(2), pp. 113-126.
82. Y.F. Fu, Y.L. Wong, C.S. Poon, C.A. Tang and P. Lin (2004), "Experimental Study of Micro/Macro Crack Development and Stress-Strain Relations of Cement-Based Composite Materials at Elevated Temperatures". *Cement and Concrete Research*, Vol. 34(5), pp. 789-797.
83. C.S. Poon, Z.H. Shui, L. Lam, H. Fok and S.C. Kou (2004), "Influence of Moisture States of Natural and Recycled Aggregates on the Slump and Compressive Strength of Concrete". *Cement and Concrete Research*, Vol. 34(1), pp. 31-36.
84. C.S. Poon, Z.H. Shui, and L. Lam (2004), "Effect of Microstructure of ITZ on Compressive Strength of Concrete Prepared With Recycled Aggregates". *Construction and Building Materials*, Vol. 18(6), pp. 461-468.
85. C.S. Poon, A.T.W. Yu and L. Jaillon (2004), "Reducing Building Waste at Construction Sites in Hong Kong". *Construction Management and Economics*, Vol. 22, pp. 461-470.
86. C.S. Poon, X.C. Qiao and Z.S. Lin (2004), "Effect of Flue Gas Desulphurization Sludge on the Pozzolanic Reaction of Reject-Fly-Ash-Blended Cement Pastes". *Cement and Concrete Research*, Vol. 34(10), pp. 1907-1918.
87. C.S. Poon, T.W. Yu, S.W. Wong and E. Cheung (2004), "Management of Construction Waste in Public Housing Projects in Hong Kong". *Construction Management and Economics*, Vol. 22, pp. 675-689.
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