

SUBJECT INDEX TO VOLUME 6

Alkaline medium

- Durability of simulated shredded rubber tire in highly alkaline environments (Huynh H, Raghavan D), 1997;6: 138–143

Blastfurnace slag cement

- Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6: 87–98

Calcium aluminate

- Chemical characterization of calcium aluminate-phenol resin composite (Kankanamge G, Pushpalal D, Kawano T, Kobayashi T, Hasegawa M), 1997;6:45–52
 Early strength development and hydration of ordinary Portland cement/calcium aluminate cement pastes (Gu P, Beaudoin JJ, Quinn EG, Myers RE), 1997;6:53–58

Capillary porosity

- The use of mercury intrusion porosimetry or helium porosity to predict the moisture transport properties of hardened cement paste (Hedenblad G), 1997;6:123–129

Cement

- Analytical formulas for interfacial transition zone properties (Garboczi EJ, Bentz, DP), 1997;6:99–108
 Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6: 87–98

Cement composites

- Cement based cross-ply laminates (Pivacek A, Haupt GJ, Mobasher B), 1997;6:144–152
 Discrete modeling of short-fiber reinforcement in cementitious composites (Bolander JE, Saito S), 1997;6:76–86

Cement paste

- Chloride binding capacity of various hydrated cement paste systems (Delagrave A, Marchand J, Ollivier J-P, Julien S, Hazrati K), 1997;6:28–35
 Early strength development and hydration of ordinary Portland cement/calcium aluminate cement pastes (Gu P, Beaudoin JJ, Quinn EG, Myers RE), 1997;6:53–58
 Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6: 87–98
 The use of mercury intrusion porosimetry or helium porosity to predict the moisture transport properties of hardened cement paste (Hedenblad G), 1997;6:123–129

Cement-resin interaction

- Chemical characterization of calcium aluminate-phenol resin composite (Kankanamge G, Pushpalal D, Kawano T, Kobayashi T, Hasegawa M), 1997;6:45–52

Chemically bound water

- Study of the degree of hydration of concrete by means of image analysis and chemically bound water (Mouret M, Bascoul A, Escadeillas G), 1997;6:109–115

Chlorides

- Chloride binding capacity of various hydrated cement paste systems (Delagrave A, Marchand J, Ollivier J-P, Julien S, Hazrati K), 1997;6:28–35
 Mathematical modeling of a concrete surface "skin effect" on diffusion in chloride contaminated media (Andrade C, Díez JM, Alonso C), 1997;6:39–44
 Nonlinear transient phenomena in porous media with special regard to concrete and durability (Johannesson BF), 1997;6:71–75

Composite materials

- Cement based cross-ply laminates (Pivacek A, Haupt GJ, Mobasher B), 1997;6:144–152
 Chemical characterization of calcium aluminate-phenol resin composite (Kankanamge G, Pushpalal D, Kawano T, Kobayashi T, Hasegawa M), 1997;6:45–52
 Discrete modeling of short-fiber reinforcement in cementitious composites (Bolander JE, Saito S), 1997;6:76–86
 Durability of simulated shredded rubber tire in highly alkaline environments (Huynh H, Raghavan D), 1997;6: 138–143
 Interface property characterization and strengthening mechanisms in fiber reinforced cement based composites (Li VC, Stang H), 1997;6:1–20
 Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130–137
 Microwave processing of glass-fiber reinforced composites—modification of the microstructure (Pera J, Ambroise J, Oriol M), 1997;6:116–122

Compressive strength

- A new generation of high performance concrete: Concrete with autogenous curing (Weber S, Reinhardt HW), 1997; 6:59–68

Compressive stress

- Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6: 87–98

Concrete

- Analytical formulas for interfacial transition zone properties (Garboczi EJ, Bentz, DP), 1997;6:99–108
 Cement based cross-ply laminates (Pivacek A, Haupt GJ, Mobasher B), 1997;6:144–152
 Controlled rate thermal treatment of reactive powder concretes (Feylessoufi A, Crespín M, Dion P, Bergaya F, Van Damme H, Richard P), 1997;6:21–27
 A new generation of high performance concrete: Concrete with autogenous curing (Weber S, Reinhardt HW), 1997; 6:59–68
 Nonlinear transient phenomena in porous media with

special regard to concrete and durability (Johannesson BF), 1997;6:71–75

Concrete skin

Mathematical modeling of a concrete surface "skin effect" on diffusion in chloride contaminated media (Andrade C, Díez JM, Alonso C), 1997;6:39–44

Conductivity

Analytical formulas for interfacial transition zone properties (Garboczi EJ, Bentz, DP), 1997;6:99–108

Controlled rate thermal analysis

Controlled rate thermal treatment of reactive powder concretes (Feylessoufi A, Crespín M, Dion P, Bergaya F, Van Damme H, Richard P), 1997;6:21–27

Convection

Nonlinear transient phenomena in porous media with special regard to concrete and durability (Johannesson BF), 1997;6:71–75

Cross-linking mechanism

Chemical characterization of calcium aluminate-phenol resin composite (Kankanamge G, Pushpalal D, Kawano T, Kobayashi T, Hasegawa M), 1997;6:45–52

Curing

Chemical characterization of calcium aluminate-phenol resin composite (Kankanamge G, Pushpalal D, Kawano T, Kobayashi T, Hasegawa M), 1997;6:45–52

Controlled rate thermal treatment of reactive powder concretes (Feylessoufi A, Crespín M, Dion P, Bergaya F, Van Damme H, Richard P), 1997;6:21–27

Microwave processing of glass-fiber reinforced composites—modification of the microstructure (Pera J, Ambroise J, Oriol M), 1997;6:116–122

A new generation of high performance concrete: Concrete with autogenous curing (Weber S, Reinhardt HW), 1997;6:59–68

Diffusion/diffusivity

Mathematical modeling of a concrete surface "skin effect" on diffusion in chloride contaminated media (Andrade C, Díez JM, Alonso C), 1997;6:39–44

Durability

Nonlinear transient phenomena in porous media with special regard to concrete and durability (Johannesson BF), 1997;6:71–75

Elastic moduli

Analytical formulas for interfacial transition zone properties (Garboczi EJ, Bentz, DP), 1997;6:99–108

Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130–137

Fiber-matrix micromechanics

Discrete modeling of short-fiber reinforcement in cementitious composites (Bolander JE, Saito S), 1997;6:76–86

Fiber-reinforced cement composites

Discrete modeling of short-fiber reinforcement in cementitious composites (Bolander JE, Saito S), 1997;6:76–86

Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130–137

Microwave processing of glass-fiber reinforced composites—

modification of the microstructure (Pera J, Ambroise J, Oriol M), 1997;6:116–122

Fiber-reinforced concrete

Cement based cross-ply laminates (Pivacek A, Haupt GJ, Mobasher B), 1997;6:144–152

Fibers

Discrete modeling of short-fiber reinforcement in cementitious composites (Bolander JE, Saito S), 1997;6:76–86

Durability of simulated shredded rubber tire in highly alkaline environments (Huynh H, Raghavan D), 1997;6:138–143

Interface property characterization and strengthening mechanisms in fiber reinforced cement based composites (Li VC, Stang H), 1997;6:1–20

Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130–137

Finite Elements

Nonlinear transient phenomena in porous media with special regard to concrete and durability (Johannesson BF), 1997;6:71–75

Flexural strength

Chemical characterization of calcium aluminate-phenol resin composite (Kankanamge G, Pushpalal D, Kawano T, Kobayashi T, Hasegawa M), 1997;6:45–52

Fly ash cement

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87–98

Fracture

Discrete modeling of short-fiber reinforcement in cementitious composites (Bolander JE, Saito S), 1997;6:76–86

Fracture stress

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87–98

Homogenization

Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130–137

Hydration

Chloride binding capacity of various hydrated cement paste systems (Delagrave A, Marchand J, Ollivier J-P, Julien S, Hazrati K), 1997;6:28–35

Early strength development and hydration of ordinary Portland cement/calcium aluminate cement pastes (Gu P, Beaudoin JJ, Quinn EG, Myers RE), 1997;6:53–58

A new generation of high performance concrete: Concrete with autogenous curing (Weber S, Reinhardt HW), 1997;6:59–68

Study of the degree of hydration of concrete by means of image analysis and chemically bound water (Mouret M, Bascoul A, Escadeillas G), 1997;6:109–115

Image analysis

Study of the degree of hydration of concrete by means of image analysis and chemically bound water (Mouret M, Bascoul A, Escadeillas G), 1997;6:109–115

Infrared spectroscopy

Controlled rate thermal treatment of reactive powder concretes (Feylessoufi A, Crespin M, Dion P, Bergaya F, Van Damme H, Richard P), 1997;6:21-27

Interface properties

Interface property characterization and strengthening mechanisms in fiber reinforced cement based composites (Li VC, Stang H), 1997;6:1-20

Interfacial transition zone

Analytical formulas for interfacial transition zone properties (Garboczi EJ, Bentz, DP), 1997;6:99-108

Interface property characterization and strengthening mechanisms in fiber reinforced cement based composites (Li VC, Stang H), 1997;6:1-20

Laminated composites

Cement based cross-ply laminates (Pivacek A, Haupt GJ, Mobasher B), 1997;6:144-152

Mathematical modeling

Interface property characterization and strengthening mechanisms in fiber reinforced cement based composites (Li VC, Stang H), 1997;6:1-20

Mathematical modeling of a concrete surface "skin effect" on diffusion in chloride contaminated media (Andrade C, Diez JM, Alonso C), 1997;6:39-44

Mercury intrusion porosity

The use of mercury intrusion porosimetry or helium porosity to predict the moisture transport properties of hardened cement paste (Hedenblad G), 1997;6:123-129

Metakaolin

Microwave processing of glass-fiber reinforced composites—modification of the microstructure (Pera J, Ambroise J, Oriol M), 1997;6:116-122

Microcracking

Cement based cross-ply laminates (Pivacek A, Haupt GJ, Mobasher B), 1997;6:144-152

Microstructure

Chloride binding capacity of various hydrated cement paste systems (Delagrave A, Marchand J, Ollivier J-P, Julien S, Hazrati K), 1997;6:28-35

Durability of simulated shredded rubber tire in highly alkaline environments (Huynh H, Raghavan D), 1997;6:138-143

Early strength development and hydration of ordinary Portland cement/calcium aluminate cement pastes (Gu P, Beaudoin JJ, Quinn EG, Myers RE), 1997;6:53-58

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87-98

Microwave processing of glass-fiber reinforced composites—modification of the microstructure (Pera J, Ambroise J, Oriol M), 1997;6:116-122

A new generation of high performance concrete: Concrete with autogenous curing (Weber S, Reinhardt HW), 1997;6:59-68

Microwave

Microwave processing of glass-fiber reinforced composites—modification of the microstructure (Pera J, Ambroise J, Oriol M), 1997;6:116-122

Modeling

Chloride binding capacity of various hydrated cement paste systems (Delagrave A, Marchand J, Ollivier J-P, Julien S, Hazrati K), 1997;6:28-35

Interface property characterization and strengthening mechanisms in fiber reinforced cement based composites (Li VC, Stang H), 1997;6:1-20

Mathematical modeling of a concrete surface "skin effect" on diffusion in chloride contaminated media (Andrade C, Diez JM, Alonso C), 1997;6:39-44

Moisture permeability

The use of mercury intrusion porosimetry or helium porosity to predict the moisture transport properties of hardened cement paste (Hedenblad G), 1997;6:123-129

Mortar

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87-98

Nuclear magnetic resonance

Controlled rate thermal treatment of reactive powder concretes (Feylessoufi A, Crespin M, Dion P, Bergaya F, Van Damme H, Richard P), 1997;6:21-27

Permeability

The use of mercury intrusion porosimetry or helium porosity to predict the moisture transport properties of hardened cement paste (Hedenblad G), 1997;6:123-129

Petrov-Galerkin scheme

Nonlinear transient phenomena in porous media with special regard to concrete and durability (Johannesson BF), 1997;6:71-75

Phenol resin precursor

Chemical characterization of calcium aluminate-phenol resin composite (Kankanamge G, Pushpalal D, Kawano T, Kobayashi T, Hasegawa M), 1997;6:45-52

Pore structure

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87-98

Porosity

The use of mercury intrusion porosimetry or helium porosity to predict the moisture transport properties of hardened cement paste (Hedenblad G), 1997;6:123-129

Portland cement

Early strength development and hydration of ordinary Portland cement/calcium aluminate cement pastes (Gu P, Beaudoin JJ, Quinn EG, Myers RE), 1997;6:53-58

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87-98

A new generation of high performance concrete: Concrete with autogenous curing (Weber S, Reinhardt HW), 1997;6:59-68

Probabilistic orientation

Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130-137

Quasibrittle matrix composites

Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130–137

Random geometry lattice

Discrete modeling of short-fiber reinforcement in cementitious composites (Bolander JE, Saito S), 1997;6:76–86

Reinforcement

Interface property characterization and strengthening mechanisms in fiber reinforced cement based composites (Li VC, Stang H), 1997;6:1–20

Repeated stress

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87–98

Shear-lag concept

Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130–137

Shrinkage

Analytical formulas for interfacial transition zone properties (Garboczi EJ, Bentz, DP), 1997;6:99–108

A new generation of high performance concrete: Concrete with autogenous curing (Weber S, Reinhardt HW), 1997;6:59–68

Spectroscopy

Controlled rate thermal treatment of reactive powder concretes (Feylessoufi A, Crespín M, Dion P, Bergaya F, Van Damme H, Richard P), 1997;6:21–27

Strength

Cement based cross-ply laminates (Pivacek A, Haupt GJ, Mobasher B), 1997;6:144–152

Durability of simulated shredded rubber tire in highly alkaline environments (Huynh H, Raghavan D), 1997;6:138–143

Early strength development and hydration of ordinary

Portland cement/calcium aluminate cement pastes (Gu P, Beaudoin JJ, Quinn EG, Myers RE), 1997;6:53–58

Tensile strength

Durability of simulated shredded rubber tire in highly alkaline environments (Huynh H, Raghavan D), 1997;6:138–143

Test method

Chloride binding capacity of various hydrated cement paste systems (Delagrave A, Marchand J, Ollivier J-P, Julien S, Hazrati K), 1997;6:28–35

Toughness

Cement based cross-ply laminates (Pivacek A, Haupt GJ, Mobasher B), 1997;6:144–152

Microwave processing of glass-fiber reinforced composites—modification of the microstructure (Pera J, Ambroise J, Oriol M), 1997;6:116–122

Transition zone

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87–98

Unit cell

Microstructural based modelling of the elastic modulus of fiber reinforced cement composites (Ngollè A, Pera J), 1997;6:130–137

Velocity of ultrasonic pulse propagation

Influence of microstructural change under stress on the strength-related properties of hardened cement mortar and paste (Uchikawa H, Hanehara S, Hirao H), 1997;6:87–98

Xonotlite

Controlled rate thermal treatment of reactive powder concretes (Feylessoufi A, Crespín M, Dion P, Bergaya F, Van Damme H, Richard P), 1997;6:21–27