

List of Articles (31 January 2016)

- 1 ADAK,D. and MANDAL, S.
Study on the modified process for the development of fly ash based geopolymer mortar cured of ambient temperature
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- 2 AUXILIA, G.B. and COMOGLIO, S.
Alternative fuel projects at Cement Hranice .
World Cem 2015 January;: 20-26
E3903-04.
- 3 BAHYRUDEEN, A., et al
Availability of sugarcane bagasse ash and potential for use as a supplementary cementitious material in concrete.
Indian Concrete Journal 2015 June; 89(6): 41-49
E3903-04.
- 4 BARRIOS, F.A.and ZIEHL, P.H.
Global integrity parameter with acoustic emission for load testing of prestressed concrete girders.
ACI Struct J 2015 Jan-Feb; 112(1): 3-12
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- 5 BERNARD, L, and LEEMAN, A.
Assessing the potential of ToF-SIMS as a complimentary approach to investigate cement-based materials - applications related to alkali-silica reaction.
Cem Concr Res 2015 February; 68: 156-65
C3903-04.
- 6 BERNARD, L. and LEEMANN, A.
Observation of the redistribution of nanoscale water filled porosity in cement based materials - application related to alkali-silica reaction.
Cem Concr Res 2015 February; 68: 156-65
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- 7 BOSSES,N.,et al
Micro- and nano-X-ray computed tomography : A step forward in the characterization of the pore network of a leached cement paste.
Cem Concr Res 2015 January; 67: 138-47
E3901-02.

8 BOUKARI, Y., et al

Combining nonlinear acoustics and physico-chemical analysis of aggregates to improve alkali-silica reaction monitoring.

Cem Concr Res 2015 January; 67: 44-51
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** - Keywords

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- 9 BUTTRESS, A., et al
Microwave processing of cement and concrete materials -
towards an industrial reality.
Cem Concr Res 2015 February; 68: 112-23
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- 10 DALAS, F., et al
Tailoring the anionic function and the side chains of
comb-like superplasticizers to improve their adsorption.
Cem Concr Res 2015 January; 67: 21-30
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- 11 DE WEERDT, K., et al
Impact of the associated cation on chloride binding of
portland cement paste.
Cem Concr Res 2015 February; 68: 196-202
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- 12 DREW, M.
Alternative and conventional fuels : Waste-derived fuel
solutions.
World Cem 2015 January;: 39-44
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- 13 ELBATANOUNY, M.K., et al
Condition assessment of prestressed concrete beams using
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ACI Struct J 2015 Jan-Feb; 112(1): 81-90
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- 14 FERRETTI, D., et al
Cracking in autoclaved aerated concrete : Experimental
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Cem Concr Res 2015 January; 67: 156-67
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- 15 GALAN, I., et al
Impact of chloride-rich environments on cement paste
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Cem Concr Res 2015 February; 68: 174-83
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- 16 GENG, J., et al
Stability of bound chlorides in cement paste with sulfate
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17 GEORGET, F., et al
Speciation solver for cement paste modeling and the
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Cem Concr Res 2015 February; 68: 139-47
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18 GUILLOT, L. and SCOTT-TAGGART, R.
Latest advances in cement additives.
World Cem 2015 January;: 55-60
E3903-04.

** - Keywords

2

- 19 HAAS, J. and NONAT, A.
From C-S-H to C-A-S-H : Experimental study and thermodynamic modelling .
Cem Concr Res 2015 February; 68: 124-38
E3903-04.
- 20 HAND,A. and SAKSENA, R.
The next evolution in clinker cooling.
World Cem 2015 January;: 34-38
E3903-04.
- 21 HUANG, A.,et al
Numerical simulation of moisture transport in concrete based on a pore size distribution model.
Cem Concr Res 2015 January; 67: 31-43
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- 22 KARINSKI, Y.S., et al
Crack distribution in fibrous reinforced concrete tensile prismatic bar.
ACI Struct J 2015 Jan-Feb; 112(1): 91-102
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- 23 KIM, T. and OLEK, J.
Modeling of early age loss of lithium ions from pore solution of cementitious system treated with lithium nitrate.
Cem Concr Res 2015 January; 67: 204-14
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- 24 KONG, X.-M., et al
Influence of silanes on hydration and strength development of cementitious systems.
Cem Concr Res 2015 January; 67: 168-83
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- 25 KOVACEVIC, G., et al
Atomistic modeling of crystal structure of $\text{Ca}_{1.67}\text{SiHx}$.
Cem Concr Res 2015 January; 67: 197-203
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- 26 KRAKOWIAK, K.J., et al
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Cem Concr Res 2015 January; 67
E3901-02.
- 27 LAKSHMY, P., et al

Performance evaluation of north carriageway of second
thone creek bridge through load testing.
Indian Concrete Journal 2015 June; 89(6): 13-23
E3903-04.

28 LINK, T., et al
Reactivity and phase composition of Ca_2SiO_4 binders made
by annealing of alpha-dicalcium silicate hydrates .
Cem Concr Res 2015 January; 67: 131-37
E3901-02.

** - Keywords

3

- 29 LOUDIN, T.
Grinding aid and dense phase success.
World Cem 2015 January;: 67-70
E3903-04.
- 30 MA, S.
Study on the hydrarion and microstructure of portland
cement containing diethanol-isopropanolamine.
Cem Concr Res 2015 January; 67: 122-30
E3901-02.
- 31 MA, Y. and YE, G.
Shrinkage of alkali activatged fly ash.
Cem Concr Res 2015 February; 68: 75-82
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- 32 McGrath, B.
Alternative and conventional fuels : Ensuring consistency
World Cem 2015 January;: 45-48
E3903-04.
- 33 MECHTCHERINE, V., et al
Effect of superabsorbent polymers (SAPs) on rheological
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yield stess and plastic viscosity over time.
Cem Concr Res 2015 January; 67: 52-65
E3901-02.
- 34 MIHAYLOV, B.I., et al
Three-parameter kinmatic theory for shear behavior of
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ACI Struct J 2015 Jan-Feb; 112(1): 47-58
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- 35 MOHAN GANESH, G., et al
Experimental investigation of bacterial concrete to
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engineering approach.
Indian Concrete Journal 2015 June; 89(6)
E3903-04.
- 36 MYERS, R.J., et al
Effect of temperature and aluminium on calcium (alumino)
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Cem Concr Res 2015 February; 68: 83-93
E3903-04.

37 OMIKRINE METALSSI, O., et al
Modeling the coupled hydration-porosity-moisture
transfers in mortars with organic admixtures .
Cem Concr Res 2015 February; 68: 64-74
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38 OU, Y-C. and KURNIAWAN, P.
Shear behavior of reinforced concrete columnswith high-
strength steel and concrete.
ACI Struct J 2015 Jan-Feb; 112(1): 35-46
E3903-04.

** - Keywords

4

- 39 PAIL, G., et al
Friedel's salt formation in sulfoaluminate cements : A
combined XRD and ^{27}Al MAS NMR study .
Cem Concr Res 2015 January; 67: 93-102
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- 40 PRIAMI, A.
Extreme wear resistance.
World Cem 2015 January;; 61-63
E3903-04.
- 41 RANADE, R., et al
Tensile rate effects in high strength-high ductility
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Cem Concr Res 2015 February; 68: 94-104
E3903-04.
- 42 REZA MORADI,A., et al
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ACI Struct J 2015 Jan-Feb; 112(1): 69-80
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- 43 SANCHEZ, L.F.M.. et al
Reliable quantification of AAR damage through assessment
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- 44 SAOUMA, V.E., et al
Mathematical model for the kinetics of the alkali-silica
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- 45 SECCO, M., et al
Degradation processes of reinforced concretes by
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Cem Concr Res 2015 February; 68: 49-63
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- 46 SERBAN, S.
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World Cem 2015 January;; 64-66
E3903-04.
- 47 STANEK, T. and SULOVSKEY, P.

Active low-energy belite cement.
Cem Concr Res 2015 February; 68: 203-10
E3903-04.

- 48 TAVASSOLI, A., et al
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ACI Struct J 2015 Jan-Feb; 112(1): 103-14
E3903-04.

** - Keywords

5

- 49 TERZIC, V. and STOJADINOVIC, B.
Evaluation of post-earthquake axial load capacity of circular bridge columns .
ACI Struct J 2015 Jan-Feb; 112(1): 23-34
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- 50 TIBERTI, G., et al
Cracking behavior in reinforced concrete members with steel fibers : a comprehensive experimental study.
Cem Concr Res 2015 February; 68: 24-34
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- 51 TOROPOVS, N., et al
Real-time measurements of temperature, pressure and moisture profiles in high-performance concrete exposed to high temperatures during neutron radiography imaging .
Cem Concr Res 2015 February; 68: 166-73
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- 52 TRTNIK, G. and GAMS, M.
Ultrasonic assessment of initial compressive strength gain of cement based materials.
Cem Concr Res 2015 January; 67: 148-55
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- 53 VINT, L. and SHEIKH, S.
Investigation of bond properties of alternate anchorage schemes for glass fiber-reinforced polymer bars .
ACI Struct J 2015 Jan-Feb; 112(1): 59-68
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- 54 WHITE, C.E., et al
Intrinsic differences in atomic ordering of calcium (aluminosilicate) hydrates in conventional and alkali-activated cements .
Cem Concr Res 2015 January; 67: 66-73
E3901-02.
- 55 WU, Z., et al
Influence of drying-induced microcracking and related size effects on mass transport properties of concrete .
Cem Concr Res 2015 February; 68: 35-48
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- 56 XU, B., et al
Influence of magnesia-to-phosphate molar ratio on microstructures, mechanical properties and thermal

conductivity of magnesium potassium phosphate cement
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Cem Concr Res 2015 February; 68: 1-9
E3903-04.

- 57 ZERAYOHANNES, G.
Analysis of rectangular sections using transformed square
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ACI Struct J 2015 Jan-Feb; 112(1): 13-22
E3903-04.

** - Keywords

6

- 58 ZHANG, Y.-R., et al
Effects of the charge characteristics of polycarboxylate superplasticizers on the adsorption and the retardation in cement pastes.
Cem Concr Res 2015 January; 67: 184-96
E3901-02.
- 59 ZHANG, Z.
Numerical modelling of moisture transfers with hysteresis within cementitious materials : Verification and investigation of the effects of repeated wetting-drying boundary conditions.
Cem Concr Res 2015 February; 68
E3903-04.
- 60 ZHOU,Z., et al
Simulation of the properties of MgO-MgCl₂-H₂O system by thermodynamic method.
Cem Concr Res 2015 February; 68: 105-11
E3903-04.

** - Keywords

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