

LMDC - Publications internationales parues en 2011

Pôle 1

1	Balayssac J.-P., Nicot P., Ruot B., Deves O., Detriche C.-H., Influence of admixtures on the cracking sensitivity of mortar layers applied to a mineral substrate, Construction and Building Materials, Volume 25, Issue 6, Pages 2828-2836
2	Behim M., Cyr M., Clastres P., Physical and chemical effects of El Hadjar slag used as an additive in cement-based materials, European Journal of Environmental and Civil Engineering, Volume 15, Issue 10, Pages 1413-1432
3	Ben Allal L., Ammari M., Frar I., Clastres P., Julien S., Stabilization of contaminated canal sediments, European Journal of Environmental and Civil Engineering, Volume 15, Issue 2, Pages 293-302
4	Carasek H., Cascudo O., Ferreira R.-B., Yssorche-Cubaynes M.-P., Ollivier J.-P., The AASHTO T 277 test and the protection of concrete against rebars corrosion, European Journal of Environmental and Civil Engineering, Volume 15, Issue 1, Pages 49-75
5	Cassagnabère F., Lachemi M., Mouret M., Escadeillas G., Performance characterization of binding ternary cement, slag and metakaolin, Canadian Journal of Civil Engineering, Volume 38, Issue 8, Pages 837-848
6	Coutand M., Cyr M., Clastres P., Quantification of uncertainty of experimental measurement in leaching test on cement-based materials, Journal of Environmental Management, Volume 92, Issue 10, Pages 2494-2503
7	Idir R., Cyr M., Tagnit-Hamou A., Pozzolanic properties of fine and coarse color-mixed glass cullet, Cement and Concrete Composites, Volume 33, Issue 1, Pages 19-29
8	Ladaoui W., Vidal T., Sellier A., Bourbon X., Effect of a temperature change from 20 to 50°C on the basic creep of HPC and HPFRC, Materials and Structures, Volume 44, Issue 9, Pages 1629-1639
9	Martinez T., Bertron A., Ringot E., Escadeillas G., Degradation of NO using photocatalytic coatings applied to different substrates, Building and Environment, Volume 46, Issue 9, Pages 1808-1816
10	Tran Q.-T., Toumi A., Turatsinze A., Delamination of thin bonded cement-based overlays: analytical analysis, Materials And Structures, Volume 44, Number 1, Pages 43-51
11	Tribout C., Husson B., Use of treated sediments in road building techniques, European Journal of Environmental and Civil Engineering, Volume 15, Issue 2, Pages 197-213

Pôle 2

12	Buffo-Lacarrière L., Sellier A., Chemo-mechanical modeling requirements for the assessment of concrete structure service life, Journal of Engineering Mechanics, Volume 137, N°9, Pages 625-633
13	Buffo-Lacarrière L., Sellier A., Turatsinze A., Escadeillas G., Finite element modelling of hardening concrete: application to the prediction of early age cracking for massive reinforced structures, Materials And Structures, Volume 44, Number 10, Pages 1821-1835
14	Gao X.X., Multon S., Cyr M., Sellier A., Towards the optimization of an expansion test for the assessment of alkali silica reaction in concrete structures, Materials and Structures, Volume 44, Issue 9, Pages 1641-1653
15	Larreur-Cayol S., Bertron A., Escadeillas G., Degradation of cement-based materials by various organic acids in agro-industrial waste-waters, Cement and Concrete Research, Volume 41, Issue 8, Pages 882-892

16	Lorente S., Yssorche-Cubaynes M.-P., Auger J., Sulfate transfer through concrete: Migration and diffusion results, <i>Cement and Concrete Composites</i> , Volume 33, Issue 7, Pages 735-741
17	Magniont C., Coutand M., Bertron A., Cameleyre X., Lafforgue C., Beaufort S., Escadeillas G., A new test method to assess the bacterial deterioration of cementitious materials, <i>Cement and Concrete Research</i> , Volume 41, Issue 4, Pages 429-438
18	Perrin B., Vu N.-A., Multon S., Voland T., Ducroquetz C., Mechanical behaviour of fired clay materials subjected to freeze–thaw cycles, <i>Construction and Building Materials</i> , Volume 25, Issue 2, Pages 1056-1064
19	Ranaivomanana H., Verdier J., Sellier A., Bourbon X., Toward a better comprehension and modeling of hysteresis cycles in the water sorption-desorption process for cement based materials, <i>Cement and Concrete Research</i> , Volume 41, Issue 8, Pages 817-827
20	Sellier A., Buffo-Lacarriere L., El Gonnouni M., Bourbon X., Behavior of HPC nuclear waste disposal structures in leaching environment, <i>Nuclear Engineering and Design</i> , Volume 241, Issue 1, Pages 402-414

Pôle 3

21	Al Mahmoud F., Castel A., Francois R., Tourneur C., Anchorage and tension-stiffening effect between near-surface-mounted CFRP rods and concrete, <i>Cement and Concrete Composites</i> , Volume 33, Issue 2, Pages 346-352
22	Balayssac J.-P., Laurens S., Klysz G., Lataste J.-F., Non destructive evaluation of concrete contamination by chloride Comparison of methods, <i>European Journal of Environmental and Civil Engineering</i> , Volume 15, Issue 7, Pages 1073-1084
23	Bouchaala F., Payan C., Garnier V., Balayssac J.-P., Carbonation assessment in concrete by nonlinear ultrasound, <i>Cement and Concrete Research</i> , Volume 41, Issue 5, Pages 557-559
24	Breyse D., Larget M., Sbartai Z.M., Lataste J.-F., Balayssac J.-P., Quality of NDT measurements and accuracy of concrete physical properties quantitative assessment, <i>European Journal of Environmental and Civil Engineering</i> , Volume 15, Issue 4, Pages 619-632
25	Casaux-Ginestet G., Ibramhimbegovic A., On multi-fiber beam model with coupled axial and bending response, <i>European Journal of Computational Mechanics</i> , Volume 7, Pages 411-426
26	Castel A., Coronelli D., Vu N.A., Francois R., Structural Response of Corroded Unbonded Posttensioned Beams, <i>Journal of Structural Engineering-ASCE</i> , Volume 137, Issue 7, Pages 761-771
27	Castel A., Francois R., Modeling of steel and concrete strains between primary cracks for the prediction of cover-controlled cracking in RC-beams, <i>Engineering Structures</i> , Vol. 33, Issue 12, Pages 3668-3675
28	Clement A., Laurens S., An alternative to the Lyapunov exponent as a damage sensitive feature, <i>Smart Materials and Structures</i> , Volume 20, Issue 2, Article Number 025017
29	Gonzalez F., Fajardo G., Arliguie G., Juarez C.A., Escadeillas G., Electrochemical Realkalisation of Carbonated Concrete: an Alternative Approach to Prevention of Reinforcing Steel Corrosion, <i>International Journal of Electrochemical Science</i> , Volume 6, Issue 12, Pages 6332-6349
30	Hameed R., Sellier A., Turatsinze A., Duprat F., Damage model for concrete reinforced with sliding metallic fibers, <i>International Journal of Mechanics and Materials in Design</i> , Volume 7, Pages 83-97

31	Kreit A., Al-Mahmoud F., Castel A., Francois R., Repairing corroded RC beam with near-surface mounted CFRP rods, <i>Materials And Structures</i> , Volume 44, Number 7, Pages 1205-1217
32	Zhang R., Castel A., Francois R., Influence of steel-concrete interface defects owing to the top-bar effect on the chloride-induced corrosion of reinforcement, <i>Magazine of Concrete Research</i> , Volume 63, Issue 10, Pages 773-781

Hors laboratoire

Hors thème

33	Bejan A., Lorente S., The Constructal Law and the Design of the Biosphere: Nature and Globalization, <i>Journal of Heat transfer-Transactions of the ASME</i> , Volume 133, Issue 1, Special Issue SI, Article Number 011001
34	Bejan A., Lorente S., The constructal law and the evolution of design in nature, <i>Physics of life reviews</i> , Volume 8, Issue 3, Pages 209-240
35	Bejan A., Lorente S., The constructal law origin of the logistics S curve, <i>Journal of Applied Physics</i> , Volume 110, Issue 2, Article Number 024901
36	Bejan A., Lorente S., Yilbasb R.S., Sahin A.Z., The effect of size on efficiency: Power plants and vascular design, <i>International Journal of Heat and Mass Transfer</i> , Volume 54, Issues 7-8, Pages 1475-1481
37	Cetkin E., Lorente S., Bejan A., Hybrid grid and tree structures for cooling and mechanical strength, <i>Journal of Applied Physics</i> , Volume 110, Issue 6, Article Number 064910
38	Cetkin E., Lorente S., Bejan A., Vascularization for cooling and mechanical strength, <i>International Journal of Heat and Mass Transfer</i> , Volume 54, Issues 13-14, Pages 2774-2781
39	Jung J., Lorente S., Anderson R., Bejan A., Configuration of heat sources or sinks in a finite volume, <i>Journal of Applied Physics</i> , Volume 110, Issue 2, Article Number 023502
40	Kim Y., Lorente S., Bejan A., Steam generator structure: Continuous model and constructal design, <i>International Journal of Energy Research</i> , Volume 35, Issue 4, Pages 336-345
41	Xia L., Lorente S., Bejan A., Constructal design of distributed cooling on the landscape, <i>International Journal of Energy Research</i> , Volume 35, Issue 9, Pages 805-812

Non référencé WOS

42	Tribout C., Husson B., Nzihou A., Use of treated dredged sediments as road based materials: environmental assessment, <i>Waste and Biomass Valorization</i> , Volume 2, Pages 337-346
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