



Journal of Advanced Concrete Technology
Materials, Structures and Environment



Journal of Advanced Concrete Technology

An electronic-only, open access international journal of Japan Concrete Institute

Koichi Maekawa, editor-in-chief of ACT

Dept. of Civil Eng., The University of Tokyo

Outline of ACT

Journal of Advanced Concrete Technology
Materials, Structures and Environment



Publisher: Japan Concrete Institute - JCI

Established 1965, Number of membership 8000,
Publishing three Journals.

History

- 2003 Published with paper and electronic form.
- 2007 Indexed in Science Citation Index Expanded.
- 2009 First impact factor of 0.675.
- 2012 Electronic-only, open access journal (J-stage).

Editorial and Advisory Boards

12 editorial members in Japan, 18 advisory members around the world.



Web sites

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Journal of Advanced Concrete Technology J-STAGE Editorial Manager

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- 2012.10.20: Special issue "Advanced Concrete Technology"
- 2012.09.30: Three papers published
- 2012.08.31: Three papers published
- 2012.07.30: Two papers published
- 2012.07.01: Plagiarism detection
- 2012.06.30: Three papers published
- 2012.06.20: Two papers published
- 2012.04.30: Three papers published
- 2012.03.31: Four papers published
- 2012.02.29: Three papers published
- 2012.02.03: Submission of your paper
- 2012.01.31: Four papers published
- 2012.01.01: All the past articles in this journal
- 2011.12.22: Three outstanding papers

Contact: Dr. S. Tada
Japan Concrete Institute

Journal of Advanced Concrete Technology

Enhanced model and simulation of hydration process of blast furnace slag in blended cement

Yasuo Ueda, Tetsuya Sakai, Toshihiro Nawa, Satoru Takahashi
Journal of Advanced Concrete Technology, volume 10 | 2012 | pp. 1-11

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Prediction of changes in physical properties due to leaching of hydration products from concrete
Kunihiko Yoshida, Kazuo Watanabe, Reiko Sakata, Naohiko Okada
Journal of Advanced Concrete Technology, volume 10 | 2012 | pp. 101-111

Analytical hydration model for fiber rich self-compacting concrete
Hiroki Iwatake, Kazuo Watanabe, Hiroshi Hara
Journal of Advanced Concrete Technology, volume 4 | 2004 | pp. 259-269

Microstructural analysis of the hydration and strength development of slag and limestone blended concrete
Masaki Inoue, Kazuo Watanabe, Hiroshi Hara
Journal of Advanced Concrete Technology, volume 4 | 2004 | pp. 307-317

Quantifying the effects of hydration enhancement and shrinkage on concrete porous contaminant transport

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Journal of Advanced Concrete Technology Vol. 10(2012) No. 11

Scientific paper

Preparation of Size Controlled Silica Nano Particles and Its Functional Role in Cementitious System

Lok P. Singh, Sriman K. Bhattacharyya, Saurabh Ahlawat
Released: November 21, 2012

Abstract PDF

Latest Volume/Issue

Volume And Issue List
Journal of Advanced Concrete Technology

Vol.10(2012)

- No.11 p.34-...
- No.10 p.32-...
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Reinforcement Corrosion: Limit States, Reliability and Modelling

Bretislav Těplý, Dita Vorechovská
Released: November 20, 2012

Abstract PDF

Time Dependency of Cl Diffusion Coefficients in Concretes with Varied Phase Compositions and Pore Structures under Different Environmental Conditions

Yoshifumi Hosokawa, Kazuo Yamada, Haruka Takahashi
Released: November 20, 2012

Abstract PDF

Global and Local Impacts of Soil Confinement on RC Pile Nonlinearity

Editorial Policy, Fundamentals

Journal of Advanced Concrete Technology
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Material science and engineering, Manufacturing, Structural design and Analysis, Construction & Planning, Environmental & Management aspects

(2) High quality papers

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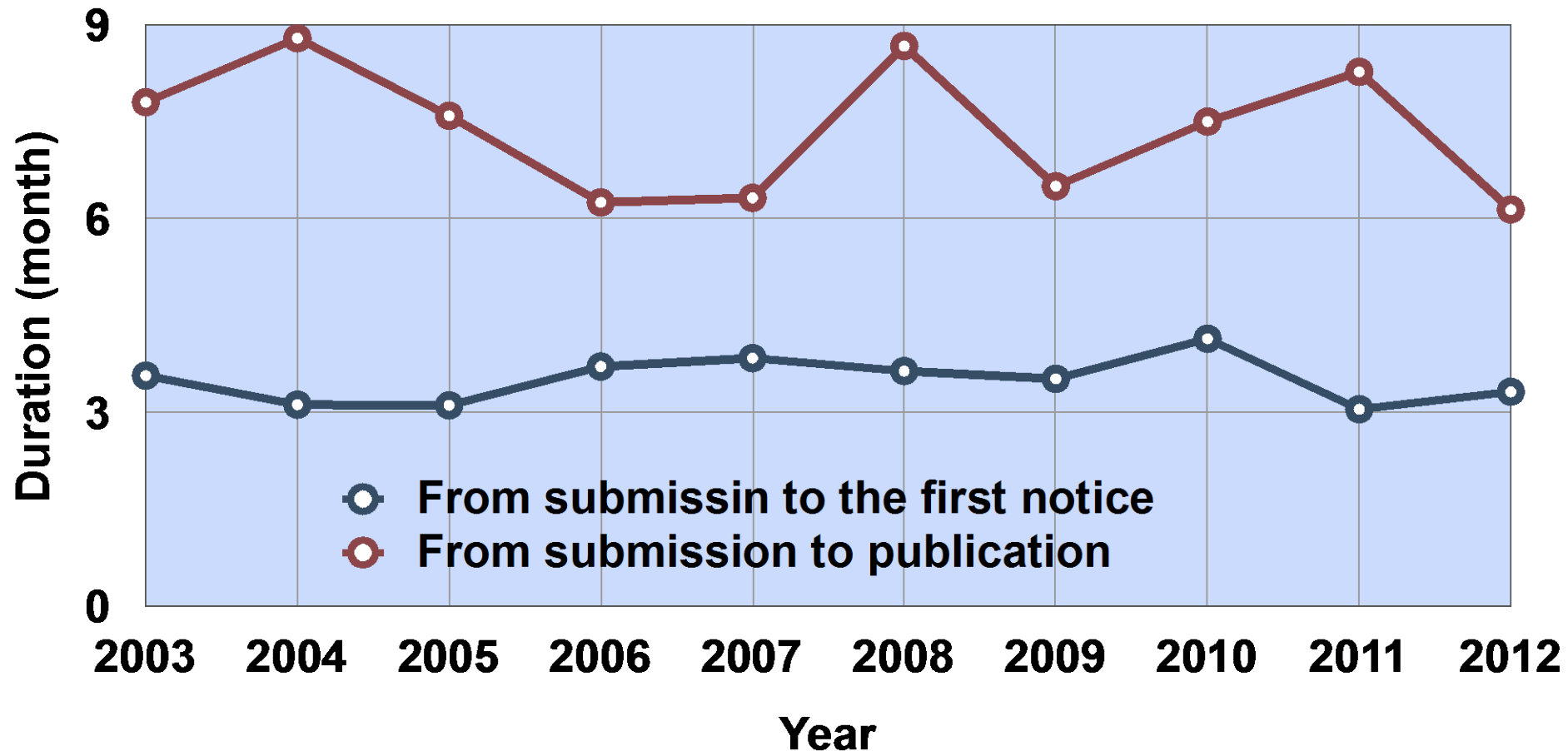
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(financially supported by Japan Concrete Institute)

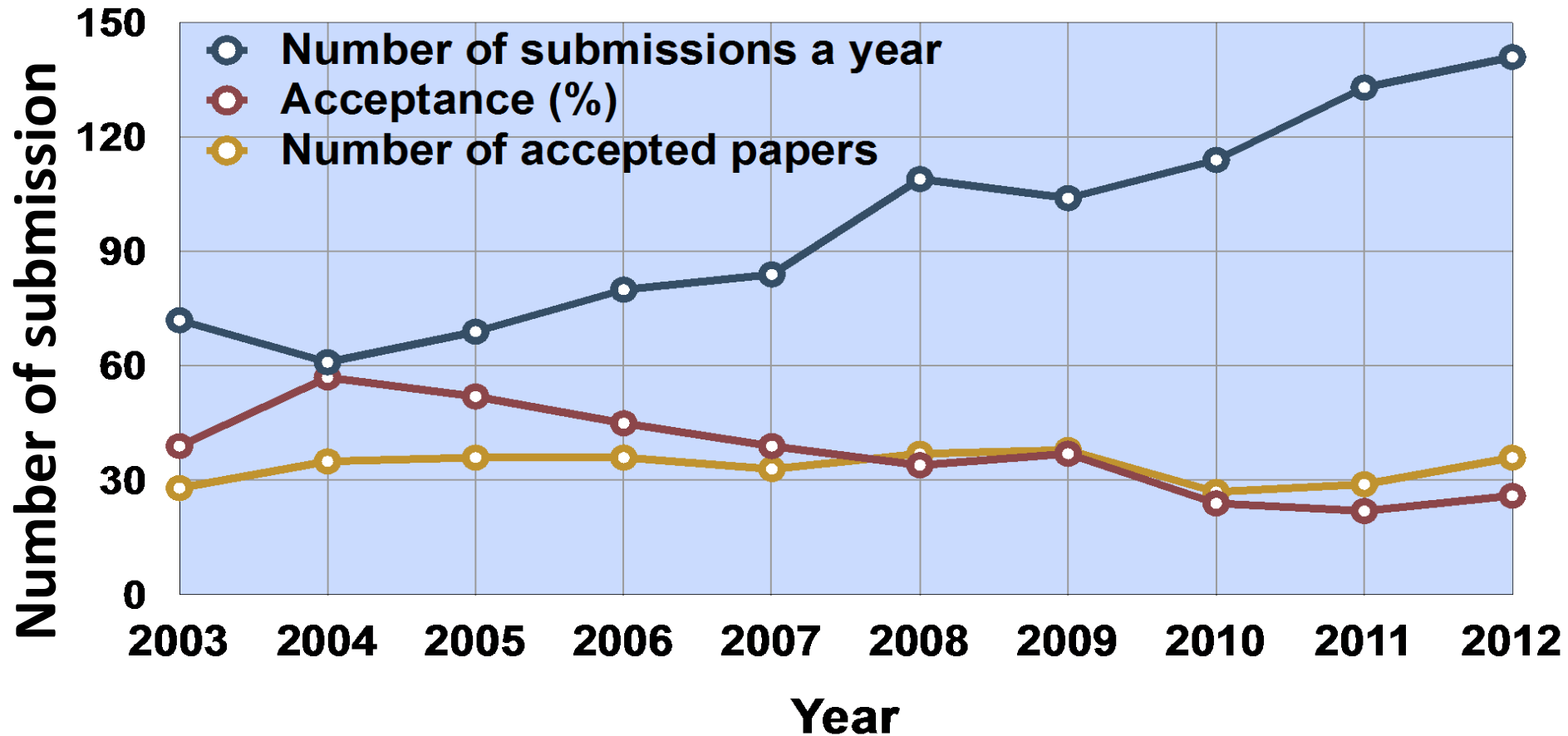
Review duration

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Acceptance

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Special issues

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Advances in Self-healing Cementitious Materials	2012
Durability and Maintenance of Concrete Structures	2010
High-strength and High-performance Concrete	2009
Seismic Retrofitting of Concrete Structures	2009
Time-dependent Behavior of Concrete Structures	2008
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Green Concrete Technology	2007

JCI Award

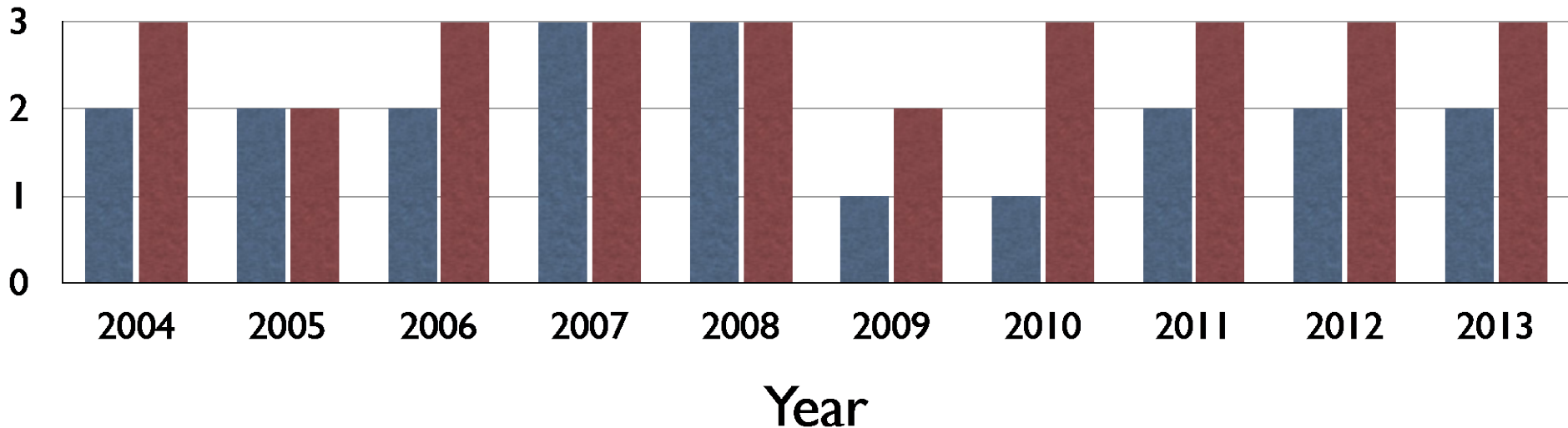
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ACT Editorial and Advisory committees select three outstanding papers of the year.

The papers are recommended to the JCI Awards every year.

■ ACT recommendation ■ Number of papers awarded



Advisory members in the world (18)

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ACT papers originally published in Japanese journals

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- Steel Corrosion Induced by Chloride or Carbonation in Mortar With Bending Cracks or Joints. *Miyazato and Otsuki, JSCE*
- Self-Healing Capability of Fibre Reinforced Cementitious Composites. *Homma et al., AIJ*
- Practical Design Criteria for Saturated Pseudo Strain Hardening Behavior in ECC *Kanda et al. AIJ*

but largely enhanced or several conference / journal papers are compiled in English.