1 Books

1.1 Textbooks and Monographs


1.2 Published Lecture Notes


1.3 Books Edited, with Chapters Contributed


2 State-of-Art Articles and Research Review Articles


3 Contributed Wikipedia Articles


4 Research Articles in Refereed Journals and Book Chapters

1958

1959

1960

1961

1962

1963

1964

1965

1966

1967


1968


1970


1971


1972


Materials and Structures (RILEM), 5, 135–141.


1973


1974


paste at variable water content." Materials and Structures (RILEM, Paris), 9, 279–190.


1977


1978


1979


1980


1984


1985


1987


1988


1989


1990


1991


Materials and Structures (RILEM, Paris) 24 (143), 323–326.


1992


289A. ≡ 310 ≡ Part 7 of this series.


1993


1994


1995


1996


1997


1998


1999


2000


2001


issue honoring G. Maier).


g) Chinese translation of item 405 in Advances in Mechanics (Beijing) 32 (4), 613–624 (2002).

2002


2003


2004


2005


2006
2007


2008


2009


2010


2011


2012


2013


2014


2015


2016


In Press:


Kirane, K., Su, Yewang, Bažant, Z.P. (2016). “Strain-


5 Contributions to Wikipedia

1) Creep and shrinkage of concrete; 2) Size effect on structural strength; 3) Objective stress rates in finite strain inelasticity.

6 Selected Other Articles – Public Policy


7 Published Biographies and Volumes Dedicated to Bažant


A10. Ta-Peng Chang and Jenn-Chuan Chern (2007). Proc., Asian Special Workshop on Concrete Technology in Honor of the 70th Birthday of Prof. Zdeněk P. Bažant,” National Taiwan University of Science and Technology, Taipei, Nov. 2


A13. Sarah Ostman, “Concrete Results” (life story and achievements of Bažant), McCormick Magazine, Fall 2012.


8 Research Articles in Conference Proceedings

......many.


Concrete held at Univ. of Illinois, Chicago, Dec., S.P. Shah, ed., 79–91.


“Additive volumetric-deviatoric split of finite strain tensor and its implication for cracking models.” in Fracture Mechanics of Concrete Structures (Proc., 2nd Int. Conf. on Fracture Mech. of Concrete and Concrete Structures (FraMCoS-2), held at ETH, Zürich), ed. by F.H. Wittmann, Aedificatio Publishers, Freiburg, Germany, 515–534.


“Particle model for fracture and statistical micro-macro correlation of material constants.” ibid. 955–964.


“Softening and size effect in bond fracture.” in Interface Fracture and Bond, ACI Special Publ. SP-156, ed. by O. Buyukozturk and M. Wecharatana, Amer. Concrete Institute,Detroit, 11–23.


“Size effect aspects of measurement of fracture characteristics of quasibrittle material.” in Fracture Mechanics of Concrete Structures, Vol. 4 [Proc., 2nd Int. Conf. on Fracture Mech. of Concrete and Concrete Structures (FraMCoS-2), held in 1995 at ETH, Zürich], ed. by F.H. Wittmann, Aedificatio Publishers, Freiburg, Germany, 1749–1770; reprinted from Adv. Cem. Based Mat..


“Microprestress solidification theory for aging and drying creep of concrete.” in Advances in Building and Materials Science (Festschrift Wittmann), ed. by A. Gerdes (ETH, Zürich), Aedificatio Publishers, Freiburg, Germany, 111–130.


“Fracture characteristics and micromechanical theory of rock as a quasibrittle material: Aperçu of recent advances” (keynote lecture) Proc., 5th Int. Conf. on Rock Fragmentation by Blasting (FRAG-BLAST 5) (held in Montreal), ed. by B. Mohanty, publ. by Balkema, Rotterdam, 3–12.


“Size effect in quasibrittle compression fracture: some recent advances.” Advances in Fracture Research (Proc., 9th Int. Conf. of Fracture, Sydney), B.I. Karihaloo et al., eds., 741–749.

“Analysis of pore pressure, thermal stress and fracture in rapidly heated concrete.” Proc., Intern. Workshop on Fire Performance of High-Strength Concrete, NIST Special Publication 919, L.T. Phan et al., eds., National Institute of Standards and Technology, Gaithersburg, Maryland, 155-164.

“Modelling of compressive strain softening, fracture and size effect in concrete.” Computational Modelling of Concrete Structures (EURO-C Conf.,
held in Badgastein, Austria), ed. R. de Borst et al., Balkema, Rotterdam, 249–264.


sty (Proc., 8th Int. Conf. on Computational Plasticity—COMPLAS 8, held at UPC, Barcelona), D.R.J. Owen, E. Oñate and C. Plaàs, eds., pp. 156–159.


P203. Bažant, Z.P., and Yu, Q. (2007). “Consequences of ignoring or mis-judging the size effect in concrete design codes and practice.” Proc., 3rd Structural Engineers World Congress, Bangalore, India, Nov. (a slightly expanded version was published, with authorization, as article 473).


Discussions and Rebuttals in Journals

Over 60 items