Hydration model of portland cement
Ippei MARUYAMA, Takafumi NOGUCHI and Tetsuro MATSUSHITA

An evaluation of creep and shrinkage size effects based on about five years measurements and a proposal of prediction model for concrete creep
Keichirou IMAMOTO, Toshihiko YAMAMOTO and Tokunao OH-OKA

Behavior of mechanically anchored waterproofing membrane exposed to high wind speed of wind tunnel
Hirokazu ICHIKAWA, Michal BARTKO, Nobuo KATOU, Hiroyuki MIYACHU, Takanori SASAKI and Ryuji TANAKA

Development of self-healing system for concrete with selective crack heating
Tomoya NISHIWA, Hiroko MIHASHI, byung-koo JANG, Minoru SUGITA and Kazuaki MIURA

Effect of color properties on the aging evaluation of landscape materials Part 3 influence of color properties on aging evaluation of bricks imaged finishing of building facade
Yuko MATSUYAMA and Yoshinori KITSUTAKA

Effect of surface properties on the visual evaluation of building stone finishing Part 3 influence of lighting irradiation angle on visual evaluation of sandstone
Jun TSUCHIYA, Yoshinori KITSUTAKA and Masaki TAMURA

Dynamic response characteristics of seismic isolated building with elastic sliding and rubber bearings
Analytical study using regression model for friction characteristics
Hiroshi HIBINO, Tetsuo KUBO, Masayoshi TAKAI and Shoji KATSUTA

Evaluation of earthquake responses for multi-story buildings with response control devices using crhs
Hiroshi KURAMOTO, Ryo NAKASAKA and Kazuyuki MATSUMOTO

A simple method to estimate amplification characteristics of anti-plane shear waves in two-dimensional alluvial valley
Satoshi MATSUDA, Masahiro KAWANO and Koichiro ASANO

The effect of geometrical nonlinearity on the buckling load of shear-bending columns
Isao NISHIMURA

Heuristic method for structural morphogenesis under periodic conditions
Kazuo MITSUI

On the stability of masonry walls, "tsukiishibu", under long-term load
Shintaro YAO and Takeshi MASUI

Case study of seismic diagnosis and retrofit for Japanese old temple
Shunsuke MIYAMOTO, Kenji MIYAZAWA, Yasutaka IRIE and Osamu GOTO

Experimental study on static and dynamic properties of shear walls of wooden post and beam construction
Kenichi MACHIDA, Makoto WATAHIRO, Yoshimitsu OSHASI and Isao SAKAMOTO

Fatigue life characteristic of pressures welding bars in concrete
Noriyuki YAMANAKA and Sadao HAYASHI

Consideration on flexural shear failure mechanism of rc beam subjected to large deformation cyclic loading in terms of error catastrophe
Hideyuki KINUCASA and Setuuro NOMURA

Influences of mechanism control for reinforced concrete frame structures on processes of damage and probabilities of collapse
Takuya NAGAI, Shizuo HAYASHI, Luis F. IBARRA and Helmut KRAWINKLER

The factors which influence strength deterioration of rc columns failing in shear after flexural yielding
Nobuaki HANAI, Hiashi UKUMURA and Toshihiko ICHINOSE

Basic seismic behavior of rc shear wall with hinge isolated structural system
Masanori TSUSHIWA, Hirosi HIRAISHI, Hiroyuki TOMATSURI, Kazuya NOGUCHI and Yasuhiro HIJIMA

A sensitivity analysis related to redundancy of framed structures subjected to vertical loads
Takumi ITO, Kenichi OHI and Zhenglin LI

Effect of column flexural stiffness and strength on story drift concentration mechanism of 2 story braced frames with fixed column base
Restrain effect of sub-resistant elements on drift concentration of dual systems
Yoshihiro KIMURA and Gregory A. MACRAE

Slip strength of high strength zigzag bolted friction joints
Toshiro SUZUKI, Kikuo IKARASHI, Toshio MAKINO and Shunichiro TORIKAI

In-plane shear tests of partially reinforced steel sandwich panel wall
Masanori FUJITA, Ryoichi KANNO and Ryuji INOUE

Damage to beams and effects of floor slab composite action
Takanori FUJITA, Ryoichi KANNO and Ryuji INOUE

Seismic performance level of buildings based on the earthquake risk of portfolio
Seiichiro FUKUSHIMA and Harumi YASHIRO