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Publons / Web Of Science ResearcherID: AAN-8109-2021

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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 2001 - 2008

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 1997 - 2001

Undergraduate, Firat University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 1993 - 1997

Dissertations

Doctorate, Çelik lifli kendiliğinden yerleşen betonların reolojik, mekanik, kırılma parametrelerinin araştırılması ve optimum tasarımı, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2008

Postgraduate, Betonarme kolonlarda narinlik etkisinin ACI 318, BS 8110, DIN 1045, EC 2 ve TS 500 normlarına göre incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A conceptual model for numerical simulation of Active Rheology Control validated for cementitious pumping**
Schryver R. D., Jiao D., Yardımcı M. Y., Lesage K., Schutter G. D.
CEMENT AND CONCRETE RESEARCH, no.179, pp.1-13, 2024 (SCI-Expanded)
- II. **Reaction Kinetics and Fresh State Properties of Alkali-Activated Slag Mixtures with Secondary Precursors**
Dai X., Yücel Yardımcı M. Y., AYDIN S., De Schutter G.
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- III. **Early structural build-up behavior, setting mechanism, and nanostructure of alkali-activated GGBFS mixtures**
Dai X., AYDIN S., Yardımcı M. Y., Reekmans G., Adriaensens P., Schutter G. D.
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- IV. **Novel concrete superplasticizers with sterically hindered amines as stabilizing pendant side chains**
Ezzat M., Latsrisaeng P., Lesage K., Yardımcı M. Y., Hoogenboom R., Schutter G. D.
EUROPEAN POLYMER JOURNAL, vol.196, pp.1-8, 2023 (SCI-Expanded)
- V. **Magneto-rheology control of cement paste containing Fe₃O₄ nanoparticles in view of reducing or preventing formwork leakage**
Chibulu C., Jiao D., Yardımcı M. Y., Schutter G. D.

- CEMENT AND CONCRETE COMPOSITES, vol.142, pp.1-10, 2023 (SCI-Expanded)
- VI. **Accelerating the reaction process of sodium carbonate-activated slag mixtures with the incorporation of a small addition of sodium hydroxide/sodium silicate**
Dai X., Ren Q., Aydın S., Yardimci M. Y., De Schutter G.
CEMENT & CONCRETE COMPOSITES, vol.141, 2023 (SCI-Expanded)
- VII. **Effect of temperature on the fresh and hardened state properties of alkali-activated slag/fly ash mixtures**
Dai X., AYDIN S., Yardimci M. Y., Sun Y., De Schutter G.
Materials and Structures/Materiaux et Constructions, vol.56, no.5, 2023 (SCI-Expanded)
- VIII. **Early age reaction, rheological properties and pore solution chemistry of NaOH-activated slag mixtures**
Dai X., Aydın S., Yardimci M. Y., Lesage K., De Schutter G.
CEMENT & CONCRETE COMPOSITES, vol.133, 2022 (SCI-Expanded)
- IX. **Early structural build-up, setting behavior, reaction kinetics and microstructure of sodium silicate-activated slag mixtures with different retarder chemicals**
Dai X., Aydın S., Yardimci M. Y., De Schutter G.
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- X. **Rheology and microstructure of alkali-activated slag cements produced with silica fume activator**
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- XI. **Rheology, early-age hydration and microstructure of alkali-activated GGBFS-Fly ash-limestone mixtures**
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- XII. **Enhancing thixotropy and structural build-up of alkali-activated slag/fly ash pastes with nano clay**
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- XIII. **Flexural Performance of Alkali-Activated Slag Cements under Quasi-Static and Impact Loading**
Yardimci M. Y., Aydın S., Tuyan M.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.29, no.1, 2017 (SCI-Expanded)
- XIV. **Effect of fine to coarse aggregate ratio on the rheology and fracture energy of steel fibre reinforced self-compacting concretes**
Yardimci M. Y., Baradan B., Tasdemir M. A.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.39, no.6, pp.1447-1469, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **ALKALİLERLE AKTİVE EDİLMİŞ STANDARD KÜRLÜ HARÇLARIN STATİK VE DİNAMİK YÜKLEME ALTINDAKİ MEKANİK ÖZELLİKLERİNİN İNCELENMESİ**
YARDIMCI M. Y., AYDIN S.
Deu Muhendislik Fakultesi Fen ve Muhendislik, vol.18, no.54, pp.381, 2016 (Peer-Reviewed Journal)
- II. **Yüksek Oranda Çelik Lif İçeren Yüksek Performanslı Kompozit Malzeme (SIFCON)**
YAZICI H., AYDIN S., YİĞİTER H., YARDIMCI M. Y., Alptuna G.
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- III. **Yüksek Oranda Çelik Lif İçeren Yüksek Performanslı Kompozit Malzeme SIFCON**
YAZICI H., AYDIN S., YİĞİTER H., YARDIMCI M. Y.
TMMOB İMO İzmir Şube Bülteni, vol.24, no.149, pp.20-24, 2009 (Non Peer-Reviewed Journal)
- IV. **Yükleme Hızının ve Örnek Nem Durumunun Betonun Mekanik Özelliklerine Etkisi**

YAZICI H., YARDIMCI M. Y., Fırat Ş.

Hazır Beton Dergisi, pp.68-73, 2008 (Peer-Reviewed Journal)

- V. **Mechanical properties of four timber species commonly used in Turkey**
AYDIN S., Yardimci M. Y., RAMYAR K.
Turkish Journal of Engineering and Environmental Sciences, vol.31, no.1, pp.19-27, 2007 (Scopus)
- VI. **Uçucu külün ve taştözünün kendiliğinden yerleşen betonda aşınma direncine etkileri**
FELEKOĞLU B., YARDIMCI M. Y., BÜLENT B.
Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.9, no.1, pp.11-21, 2006 (Peer-Reviewed Journal)
- VII. **Çelik lif donatılı kendiliğinden yerleşen betonların reolojik özellikleri**
YARDIMCI M. Y., BARADAN B.
Beton Prefabrikasyon, vol.18, no.76, pp.5-11, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

I. BETON

TÜRKEK S., YAZICI H., ÜN H., YİĞİTER H., FELEKOĞLU B., TOSUN FELEKOĞLU K., AYDIN S., YARDIMCI M. Y., TOPAL A., ÖZTÜRK A. U.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Yayınları, İzmir, 2012

Refereed Congress / Symposium Publications in Proceedings

- I. **Influence of temperature and activator type on the structural build-up of alkali-activated slag/fly ash**
Dai X., AYDIN S., de Schutter G., YARDIMCI M. Y., Lesage K.
Microdurability 2020, Delft, Netherlands, 06 May 2021
- II. **Development of a Proper Mix-Design for Impact Loading of Deflection Hardening Hybrid Fiber Reinforced Concrete**
Alami M. M., Erdem T. K., Yardimci M. Y., AYDIN S.
4th International RILEM Conference on Strain-Hardening Cement-Based Composites (SHCC), Dresden, Germany, 18 - 20 September 2017, vol.15, pp.284-291
- III. **Development of a Proper Mix-Design for Impact Loading of Deflection Hardening Hybrid Fiber Reinforced Concrete**
Alami M. M., ERDEM T. K., YARDIMCI M. Y., AYDIN S.
4th International Conference on Strain-Hardening Cement-Based Composites (SHCC4), Dresden, Germany, 18 - 20 September 2017, pp.284-291
- IV. **Alkalilerle Aktive Edilmiş Harçların Düşük Hızlı Darbe Yükleme Altında Eğilme Performanslarının Belirlenmesi**
YARDIMCI M. Y., AYDIN S., TUYAN M.
9. ULUSAL BETON KONGRESİ, Turkey, 16 - 18 April 2015
- V. **Effect of fine to coarse aggregate ratio on workability and fracture properties of steel fiber reinforced self consolidating concrete**
YARDIMCI M. Y., BARADAN B., TAŞDEMİR M. A.
SCC 2008, Challenges and Barriers to Application, The Third North American Conference on the Design And Use of Self-Consolidating Concrete, CHICAGO, United States Of America, 10 - 12 November 2008, vol.1, pp.343-348
- VI. **Flexural performance of steam cured SIFCON produced with steel and synthetic macro fibers**
YARDIMCI M. Y., YİĞİTER H., AYDIN S., YAZICI H.
Proceedings of TCMB 3rd International, 1 - 03 September 2007, vol.2, pp.681-690
- VII. **Improvement of Self Compacting Cement Slurry For Autoclaved Sifcon Containing High Volume Class**

C Fly Ash

YARDIMCI M. Y., AYDIN S., YIĞİTER H., YAZICI H.

Seventh International Congress on Advances in Civil Engineering, İstanbul, Turkey, 11 - 13 October 2006

VIII. A comparative study on the use of mineral and chemical types of viscosity enhancers in self compacting concrete

FELEKOĞLU B., YARDIMCI M. Y., BARADAN B.

3rd International RILEM Symposium on Self Compacting Concrete, Reykjavik, Iceland, 17 - 20 August 2003, pp.446-456

Metrics

Publication: 33

Citation (WoS): 1272

Citation (Scopus): 1535

H-Index (WoS): 19

H-Index (Scopus): 20