Publications

- F. Rezaie, M.R. Shiri, S.M. Farnam. (2012). "Experimental and Numerical Studies of Longitudinal Crack Control for Pre-stressed Concrete Sleepers". Engineering Failure Analysis – Elsevier; Vol. 26, PP. 21-30.
- F. Rezaie, S.M. Farnam. (2015). "Fracture Mechanics Analysis of Pre-stressed Concrete Sleepers via Investigating Crack Initiation Length". Engineering Failure Analysis – Elsevier; Vol. 58, PP. 267-280.
- F. Rezaie ,G. Ahmadi ,S.M. Farnam. (2015). "Load Test and Vibration Monitoring of a Horizontal Curved Steel Box Girder Bridge". Civil Engineering Infrastructures Journal, Vol. 48, PP. 323-340.
- F. Rezaie, M. Bayat. A, S.M. Farnam. (2016). "Pre-stressed Concrete Sleepers Sensitivity Analysis for Affective Factors of Longitudinal Crack Prorogation". Engineering Failure Analysis – Elsevier; Vol. 66, PP. 385–397.
- 5) S.M. Farnam, F. Rezaie, (2016). "Crack effect on the pre-stressed concrete sleeper of B70 with fracture mechanics analysis". Journal of Concrete Structure and Materials. Vol. 2, PP. 31-40.
- S.M. Farnam, F. Rezaie, M. Bayat. A, (2017). "Fracture Mechanics Analysis of Pre-stressed Concrete Sleepers in High-Speed Heavy-Haul by Investigating Effects of Notch Size". Concrete Research A biannual journal; Vol. 11, PP. 41-50.
- S.M. Farnam, F. Rezaie. (2017). "Part A- Experimental: Experimental Analysis of Crack Propagation in Prestressed Concrete Sleepers by Fracture Mechanics". International Journal of Transportation Engineering, Vol. 4, PP. 163-177.
- S.M. Farnam, F. Rezaie. (2017). "Part B- Analysis: Experimental Analysis of Fracture and Damage Mechanics of Pre-stressed Concrete Sleepers B70". International Journal of Transportation Engineering, Vol. 5, No. 1 PP. 17-29.
- S.M. Farnam, F. Rezaie, M. Bayat. A. (2017). "Fracture Mechanics Modeling of Pre-stressed Concrete Sleepers Crack Propagation in High-Speed Heavy-Haul Railways". Journal of Transportation Engineering (Iranian Association of Rail Transport Engineering); Vol. 9, pp. 13-26.
- S.M. Farnam, F. Rezaie. (2019). "Simulation of Crack Propagation in Pre-stressed Concrete Sleepers by Fracture Mechanics"; Engineering Failure Analysis – Elsevier; Vol. 96, PP. 109-117.
- F. Rezaie, S.M. Farnam, S. Pour Bahar, (2022). "Numerical Analysis of Reinforced Concrete Beam-Column Joints without Transverse Reinforcement"; Journal of Numerical Methods in Civil Engineering; 7-2, PP. 01-11, DOI: <u>10.52547/nmce.2022.238</u>.
- S.M. Farnam, M. Khorshidi. (2023). "Numerical analysis of J-hook connectors' effect on the performance of steel-concrete composite shear walls"; Journal of Rehabilitation in Civil Engineering; Vol. 11(2), PP. 94-112, DOI: 10.22075/JRCE.2022.23015.1494.
- S.M. Farnam, O. Alaeddini. (2023). "Analysis of Hybrid Management Indicators and Their Effectiveness in the Project Control Process"; Journal of Rehabilitation in Civil Engineering; Research Score, Preprint DOI: <u>10.21203/rs.3.rs-3298346/v1</u>.

- 14) S.M. Farnam, Z. Maleki, O. Bamshad. (2023). "Numerical investigation of the impact of rail seat abrasion on the performance of prestressed concrete railways"; Journal of Engineering and Construction Management (JECM); Vol. 7(2), PP. 61-67.
- 15) S.M. Farnam, M.A. Haji Arbabi, O. Bamshad. (2023). "Non-linear analysis of simultaneous effect of diagonal and horizontal-vertical stiffeners on behavior of steel plate shear wall"; Journal of Engineering and Construction Management (JECM); Vol. 7(2), PP. 87-93.
- 16) S.M. Farnam, M.A. Haji Arbabi, O. Bamshad. (2024). "A novel method for evaluating bonding performance and mechanical properties of steel fiber concrete containing metakaolin"; Journal of Engineering and Construction Management (JECM); Vol. 9(1), PP. 46-54.
- 17) R. Mahjob, M.R. Shiri, M. Raftari, H.R. Babaali, S.M. Farnam. (2024). "Analysis of Tensile Stress Sensivity and a Study of the Impacts of Pre-Cracks at the Dowel Location of Pre-Stressed Concrete Sleepers for Controlling the Longitudinal Cracks"; SSRN, Preprint, DOI: 10.2139/ssrn.5025255.

Cited by Google Scholar

	All
Citations	205
h-index	6
i10-index	4

Conferences

- 1) Nili. M, S.M. Farnam. "Measurement of Rheology Parameter of Flow Shear Stress of Self-Compacting Concrete with LCPC Box". 8th National Congress on Civil Engineering, Babol, Iran, 7-8 May (2014).
- S.M. Farnam, M. Vaghei. H. "Investigation on High-Performance Concrete and Importance Applying in Construction". 1st National Conference of New Concrete Technologies, Rasht, Iran, 21 May (2015).
- S.M. Farnam, S. Mohammadreza. H, S. Mehdi. H. "Effect of Supplementary Cement Materials in Concrete on Environmental Pollution Reduction". International Conference on Research in Engineering, Science and Technology, Istanbul, Turkey, 21 Jul (2015).
- S.M. Farnam, M. Nasiri. Z. "Improve the Properties Mechanical of Self-Compacted Concrete". International Conference on Civil Engineering & Urban Infrastructure, Tabriz, Iran, 29-30 Jul (2015).
- S.M. Farnam, A. Noori. "The Implementation of Roller Compacted Concrete Dams and Investigation on Polymeric Materials Using to Improve Their Performance". The International Conference in New Research of Civil Engineering, Architecture, Urban Development, Tehran, Iran, 17 Sep (2015).
- S.M. Farnam, H. Yarizadeh. "Numerical Analysis of Concrete Structures by Studying the Impact of using Lightweight Concrete and AAC Blocks". National Conference on Architecture, Civil and New Developments, Orumieh, Iran, 5 Oct (2015).
- S.M. Farnam, M. Mohammadi, S.M. Zandi. "Dam's Roller Compacted Concrete and the Optimal Percentage of Its Additives". 2nd International Conference on New Approaches in Sciences, Engineering & Technology, Istanbul, Turkey, 5-6 Nov (2015).
- S.M. Farnam, S. Ghobadi. K. "Investigation of Concrete Healing Methods and Introduction of Self-Healing Concretes". 2nd International Conference on New Approaches in Sciences, Engineering & Technology, Istanbul, Turkey, 5-6 Nov (2015).
- 9) A. Mohebkhah, A. Ebrahimi. V, S.M. Farnam, M. Bayat. A. "Numerical Study of Shear Load Capacity Changes for Presence of Opening in Sandwich Panels (3D-Panel)". International Conference on Architecture, Urbanism, Civil Engineering, Art, Environment, Tehran, Iran, 7 Mar (2016).
- A. Mohebkhah, A. Ebrahimi. V, M. Bayat. A, S.M. Farnam. "Sensitivity Numerical Analysis of Shear Load Capacity in Sandwich Panels (3D-Panel)". International Conference on Architecture, Urbanism, Civil Engineering, Art, Environment, Tehran, Iran, 7 Mar (2016).
- 11) S.M. Farnam, F. Rezaie. "Crack Effect on Loading of Pre-stressed Concrete Sleeper B70 with Fracture Mechanics Analysis". IRIN Concrete National Conference, Tehran, Iran (2017).