

An orthotropic material model for steel fibre reinforced concrete based on the orientation distribution of fibres

Eik, Marika; Puttonen, Jari; **Herrmann, Heiko** Composite structures 2015 / p. 324-336 : ill

<https://doi.org/10.1016/j.compstruct.2014.11.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Behavior of fin-plate connection of a composite beam subjected to different fire scenarios

Sakr, Mohamed; Lu, Wei; **Talvik, Ivar**; Puttonen, Jari Rakenteiden mekaniikka = Journal of structural mechanics 2024 / 23 p

<https://doi.org/10.23998/rm.137617> [Journal metrics at Scopus](#) [Article at Scopus](#)

DC-conductivity testing combined with photometry for measuring fibre orientations in SFRC

Eik, Marika; Lõhmus, Karl; Tigasson, Martin; Listak, Madis; Puttonen, Jari; **Herrmann, Heiko** Journal of materials science 2013 /

p. 3745-3759 : ill <https://doi.org/10.1007/s10853-013-7174-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Orientation of short steel fibres in concrete : measuring and modelling = Metallist lühikiudude orientatsioon betoonis : mõõtmine ja modelleerimine

Eik, Marika 2014 <https://digi.lib.ttu.ee/i/?965> https://www.ester.ee/record=b3079293*est

Phenomenological and numerical modelling of short fibre reinforced cementitious composites

Herrmann, Heiko; **Eik, Marika**; Berg, Viktoria; Puttonen, Jari Meccanica 2014 / p. 1985-2000 : ill [https://doi.org/10.1007/s11012-014-](https://doi.org/10.1007/s11012-014-0001-3)

[0001-3](#) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of approximation accuracy of the orientation distribution function on the elastic properties of short fibre reinforced composites

Eik, Marika; Puttonen, Jari; **Herrmann, Heiko** Composite structures 2016 / p. 12-18 : ill <https://doi.org/10.1016/j.compstruct.2016.03.046>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)