

Benchmarking 3D CFD for studies on turbulent flow around fish shaped bodies

Khan, Ali Hassan; Hussmann, Karla Ruiz; Powalla, Dennis; Hoerner, Stefan; **Kruusmaa, Maarja**; **Tuhtan, Jeffrey Andrew** The 14th International Symposium on Ecohydraulics : proceedings 2022 / S3: Ecohydraulics on Micro-scale https://iahr.oss-accelerate.aliyuncs.com/upload/file/20221009/20221009192523_72824.doc

Comparison of near-body flow fields of a gudgeon and NACA013 profile

Khan, Ali Hassan; **Toming, Gert**; Hoerner, Stefan; **Tuhtan, Jeffrey A.** GeoPlanet: Earth and Planetary Sciences 2024 / p. 231 - 242 https://doi.org/10.1007/978-3-031-56093-4_18 [Article Collection metrics at Scopus](#) [Article at Scopus](#)

Fish body geometry reduces the upstream velocity profile in subcritical flowing waters

Bensing, Katharina; **Tuhtan, Jeffrey Andrew**; **Toming, Gert**; **Khan, Ali Hassan**; Lehmann, Boris Aquatic sciences 2022 / p. 1-14 : ill <https://doi.org/10.1007/s00027-022-00863-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigating Fish Hydrodynamic Sensing : An Integrated Approach Utilizing Numerical and Experimental Methods [Võrguteavik] = Uurimus kalade hüdrodünaamilise tajumise kohta : integreeritud lähenemine, kasutades numbrilisi ja eksperimentaalseid meetodeid

Khan, Ali Hassan 2025 https://www.eester.ee/record=b5729246*est <https://digikogu.taltech.ee/et/Item/01ab1ec5-371a-442e-9564-04042ce64f53> <https://doi.org/10.23658/taltech.8/2025>

An open 3D CFD model for the investigation of flow environments experienced by freshwater fish

Khan, Ali Hassan; Hussmann, Karla Ruiz; Powalla, Dennis; Hoerner, Stefan; **Kruusmaa, Maarja**; **Tuhtan, Jeffrey Andrew** Ecological Informatics 2022 / art. 101652, 12 p. : ill <https://doi.org/10.1016/j.ecoinf.2022.101652> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

3D CFD analysis of pressure, boundary layer and shear stresses on a gudgeon (Gobio gobio)

Khan, Ali Hassan; Hoerner, Stefan; **Toming, Gert**; **Kruusmaa, Maarja**; **Tuhtan, Jeffrey A.** Journal of ecohydraulics 2024 / 15 p <https://doi.org/10.1080/24705357.2024.2426809> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)