

ПЕРЕЧЕНЬ ПУБЛИКАЦИЙ ОФИЦИАЛЬНОГО ОППОНЕНТА

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Публикации в Перечне рецензируемых научных изданиях, в которых должны быть опубликованы основные результаты диссертаций на соискание ученой степени кандидата наук, на соискание ученой степени доктора наук:

Публикации в изданиях, включенных в международные базы цитирования:

1. Larichkin A.Y. Fracture of welded steel samples at normal and low temperatures: Experimental dataset and nonlocal modeling / A.Y. Larichkin, V.S. Klyuchantsev, E.V. Karpov, A.G. Malikov, I.S. Batraev, I.A. Bataev, A.A. Filippov, A.V. Shutov // Materials Science and Engineering A. – 2025. – V. 939. – 148447.
2. Shutov A.V., Ufimtsev K.P. Approximation-based implicit integration algorithm for the Simo-Miehe model of finite-strain inelasticity // International Journal for Numerical Methods in Engineering. – 2024. – V. 125, No. 21. – 7566.
3. Shutov A.V. Uniaxial ratcheting and ductile damage in structural steel with a stochastic spreading of experimental data / A.V. Shutov, A.A. Kaygorodtseva, K.V. Zakharchenko, V.I. Kapustin // ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik. – 2024. – V. 104, No. 4. – e202300197.
4. Уфимцев К.П., Кузнецов Д.А., Шутов А.В. Аппроксиматоры для ускоренного вычисления параметров напряженного состояния в нестандартных образцах с трещинами // Вычислительная механика сплошных сред. – 2024. – Т. 17, № 3. – С. 308–319.
5. Shutov A.V., Vardosanidze O.D. Improved concept of representative directions: Cluster approach // International Journal of Solids and Structures. – 2024. – V. 301. – 112934.
6. Shutov A.V., Klyuchantsev V.S. Integral-based non-local approach to ductile damage and mixed-mode fracture // Engineering Fracture Mechanics. – 2023. – V. 292. – 109656.
7. Klyuchantsev V.S., Kurguzov V.D., Shutov A.V. Refined Engineering Theory of Fracture with a Two-Parameter Strength Criterion // Physical Mesomechanics. – 2023. – V. 26, No. 5. – P. 542-556.
8. Kaygorodtseva A.A., Shutov A.V. Inspection of ratcheting models for pathological error sensitivity and overparametrization // Meccanica. – 2022. – V. 57, No. 8. – P. 1975-2000.

9. Klyuchantsev V.S., Shutov A.V. A Comparative Analysis of Two Approaches to Nonlocal Ductile Damage Modeling // Journal of Engineering Physics and Thermophysics. – 2022. – V. 95. – P. 1634–1646.
10. Shutov A. Computationally efficient concept of representative directions for anisotropic fibrous materials / A. Shutov, A. Rodionov, D. Ponomarev, Y. Nekrasova // Polymers. – 2022. – V. 14, No. 16. – 3314.
11. Tagiltsev I.I., Shutov A.V. Combined experimental/theoretical approach to residual stresses within multiplicative elasto-plasticity // International Journal of Solids and Structures. – 2022. – V. 254–255. – 111924.
12. Klyuchantsev V.S., Shutov A.V. Nonlocal FEM Simulations of Ductile Damage with Regularized Crack Path Predictions // Journal of Physics: Conference Series. – 2021. – V. 1945, No. 1. – 012018.
13. Kurguzov V.D., Shutov A.V. Elasto-plastic fracture criterion for structural components with sharp V-shaped notches // International Journal of Fracture. – 2021. – V. 228, No. 2. – P. 179–197.
14. Shutov A.V., Klyuchantsev V.S. Large strain integral-based nonlocal simulation of ductile damage with application to mode-I fracture // International Journal of Plasticity. – 2021. – V. 144. – 103061.
15. Ghobadi E., Shutov A., Steeb H. Parameter identification and validation of shape-memory polymers within the framework of finite strain viscoelasticity // Materials. – 2021. – V. 14, No. 8. – 2049.



(расшифровка подписи)



 ИГиЛ СО РАН

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