Portofoliul lucrărilor reprezentative

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Selecția cuprinde zece lucrări publicate. Primele cinci formează nucleul portofoliului prevăzut de standardul național. Textele integrale ale celor zece lucrări sunt incluse în format PDF în suportul electronic al dosarului.

01. R1

[R1] ȚĂRANU, George. Full-scale shake table tests on hybrid CFS–EPS lightweight structures: Experimental program and global seismic response. Engineering Structures, vol. 358, art. 122448, 2026. DOI 10.1016/j.engstruct.2026.122448; WOS:001727723800001.

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02. R2

[R2] ȚĂRANU, George. Nonlinear Seismic Reassessment of an Existing Reinforced Concrete Frame Building: Influence of Masonry Infills Under Intermediate-Depth and Shallow Crustal Earthquake Records. Buildings, vol. 16, nr. 7, art. 1392, 2026. DOI 10.3390/buildings16071392; WOS:001738772200001.

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03. R4

[R4] ȚĂRANU, George; IACOB, Șerban; ȚĂRANU, Nicolae. Buckling Behavior of Perforated Cold-Formed Steel Uprights: Experimental Evaluation and Comparative Assessment Using FEM, EWM, and DSM. Buildings, vol. 15, nr. 9, art. 1561, 2025. DOI 10.3390/buildings15091561; WOS:001486535700001.

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04. R7

[R7] ȚĂRANU, George; UNGUREANU, Viorel; NAGY, Zsolt; ALEXA-STRATULAT, Mihai-Sergiu; TOMA, Ionuț-Ovidiu; LUCA, Septimiu-George. Shake table test and numerical analyses of a thin-walled Cold-Formed Steel structure: Part 1 — Investigation of the structural skeleton without claddings. Thin-Walled Structures, vol. 182, Part B, art. 110258, 2023. DOI 10.1016/j.tws.2022.110258; WOS:000884835600002.

https://doi.org/10.1016/j.tws.2022.110258 · Web of Science WOS:000884835600002 · Scopus 2-s2.0-85140974073

05. R10

[R10] ȚĂRANU, George; TOMA, Ionuț-Ovidiu. Experimental Investigation and Numerical Simulation of C-Shape Thin-Walled Steel Profile Joints. Buildings, vol. 11, nr. 12, art. 636, 2021. DOI 10.3390/buildings11120636; WOS:000742698000001.

https://doi.org/10.3390/buildings11120636 · Web of Science WOS:000742698000001 · Scopus 2-s2.0-85121638603

06. R3

[R3] ȚĂRANU, George; YAZICI, Casim; ÖZKAL, Fatih Mehmet. Joint Damage Effects on Axial Capacity of Cold-Formed Steel Uprights: Experimental, Numerical, and Machine Learning Study. Advances in Civil Engineering, vol. 2026, nr. 1, art. 4354889, 2026. DOI 10.1155/adce/4354889; WOS:001690154900001.

https://doi.org/10.1155/adce/4354889 · Web of Science WOS:001690154900001 · Scopus 2-s2.0-105029929551

07. R6

[R6] VENGHIAC, Vasile-Mircea; NEAGU, Cerasela-Panseluța; ȚĂRANU, George; ROTARU, Ancuța. Time History Analyses of a Masonry Structure for a Sustainable Technical Assessment According to Romanian Design Codes. Sustainability, vol. 15, nr. 4, art. 2932, 2023. DOI 10.3390/su15042932; WOS:000942075400001.

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08. R8

[R8] ȚĂRANU, George; VENGHIAC, Vasile-Mircea; OLTEANU-DONȚOV, Ioana; ROTARU, Ancuța; TOMA, Ionuț-Ovidiu. Sustainable Design for CFS Structures: Experimental Data and Numerical Models of Hinged Connections. Sustainability, vol. 14, nr. 13, art. 7813, 2022. DOI 10.3390/su14137813; WOS:000823984600001.

https://doi.org/10.3390/su14137813 · Web of Science WOS:000823984600001 · Scopus 2-s2.0-85133356804

09. R5

[R5] ALEXA-STRATULAT, Sergiu-Mihai; ȚĂRANU, George; TOMA, Ana-Maria; OLTEANU, Ioana; PASTIA, Cristian; BUNEA, Georgiana; TOMA, Ionuț-Ovidiu. Effect of expanded perlite aggregates and temperature on the strength and dynamic elastic properties of cement mortar. Construction and Building Materials, vol. 438, art. 137229, 2024. DOI 10.1016/j.conbuildmat.2024.137229; WOS:001261128400001.

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10. R15

[R15] ȚĂRANU, George. Design–Build–Test in a First-Year Civil Engineering Laboratory: A Thin-Cardboard Truss Bridge Case Study. Journal of Civil Engineering Education, vol. 153, nr. 1, art. 05026020, 2027 (publicat online la 12.09.2026). DOI 10.1061/JCEECD.EIENG-2550; Scopus 2-s2.0-105050578363.

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