

LISTA PORTOFOLIULUI DE LUCRĂRI ȘTIINȚIFICE REPREZENTATIVE

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Lucrări științifice reprezentative

Nr. crt.	Autori	Titlu articol, pagini	Revista	Anul publicării
1	Bunea G., Leon F., Toma I.O.	Machine learning approach in the quantitative evaluation of the seismic behaviour for 3D reinforced concrete frame structures, ELSEVIER Structures, 2025, Vol. 80, Id. 109750, F.I. = 4,3 (2024), ISSN: 2352-0124 https://doi.org/10.1016/j.istruc.2025.109750 WOS:001540614000001	ELSEVIER Structures	2025
2	Banu O.M., Alexa-Stratulat S.M., Mathe A.E., Brando G., Toma I.O.	Characterization of Self-Compacting Concrete at the Age of 7 Years Using Industrial Computed Tomography, MDPI Materials, 2025, Vol. 18, No. 19, Id. 4524, F.I. = 3,2 (2024), ISSN: 1996-1944 https://doi.org/10.3390/ma18194524 WOS:001593798300001	MDPI Materials	2025
3	Alexa-Stratulat S.M., Țăranu G., Toma A.M., Olteanu I., Pastia C., Bunea G., Toma I.O.	Effect of expanded perlite aggregates and temperature on the strength and dynamic elastic properties of cement mortar, ELSEVIER Construction and Building Materials, 2024, Vol. 438, Id. 137229, F.I. = 8,0 (2024), ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2024.137229 WOS: 001261128400001	ELSEVIER Construction and Building Materials	2024
4	El Khouri I., Garcia R., Mihai P., Budescu M., Taranu N., Toma I.O. , Guadagnini M., Escolano-Margarit D., Entuc I.S., Oprisan G., Hajirasouliha I., Pilakoutas K.	Behaviour of short columns made with conventional or FRP-confined rubberised concrete: An experimental and numerical investigation, ELSEVIER Engineering Structures, 2024, Vol. 307, Id. 117885, F.I. = 6,4 (2024), ISSN: 1873-7323 https://doi.org/10.1016/j.engstruct.2024.117885 WOS:001218277600001	ELSEVIER Engineering Structures	2024
5	Bunea G., Toma I.O. , Alexa-Stratulat S.M., Mihai P., Cimpoeșu N., Istrate B., Stoian G.	Assessing the effect of adding TiO ₂ and calcined montmorillonite clay nanoparticles on the mechanical properties of cement mortar, ELSEVIER Construction and Building Materials, 2024, Vol. 413, Id. 134910, F.I. = 8,0 (2024), ISSN: 0950-0618 https://doi.org/10.1016/j.conbuildmat.2024.134910 WOS:001157352200001	ELSEVIER Construction and Building Materials	2024
6	Alexa-Stratulat S.M., Olteanu I., Toma A.M., Pastia C., Banu O.M., Corbu O.C., Toma I.O.	The Use of Natural Zeolites in Cement-Based Construction Materials—A State of the Art Review, MDPI Coatings, 2024, 14(1), 18, F.I. = 2,8 (2024), eISSN: 2079-6412 https://doi.org/10.3390/coatings14010018 WOS:001148874600001	MDPI Coatings	2024
7	Toma I.O. , Stoian G., Rusu M.M., Ardelean I., Cimpoeșu N., Alexa-Stratulat S.M.	Analysis of Pore Structure in Cement Pastes with Micronized Natural Zeolite, S.I. Durability Studies on the Concrete and Related Composites, MDPI Materials, 2023, 16(13), 4500, F.I. = 3,1 (2023), eISSN: 1996-1944 https://doi.org/10.3390/ma16134500 WOS:001028592200001	MDPI Materials	2023

8	Bunea G., Alexa-Stratulat S.M., Mihai P., Toma I.O.	Use of Clay and Titanium Dioxide Nanoparticles in Mortar and Concrete—A State-of-the-Art Analysis, S.I. Recent Progress in Sustainability and Durability of Concrete and Mortar Composites, MDPI Coatings, 2023, 13(3), 506, F.I. = 2,9 (2023), eISSN: 2079-6412 https://doi.org/10.3390/coatings13030506 WOS:000958133200001	MDPI Coatings	2023
9	Țăranu G., Ungureanu V., Nagy Z., Alexa-Stratulat S.M., Toma I.O. , Luca S.G.	Shake table test and numerical analyses of a thin-walled Cold-Formed Steel structure: Part 1 — Investigation of the structural skeleton without claddings, ELSEVIER - Thin Walled Structures, 2023, Vol. 182, Part B, ID. 110258, F.I. = 5,7 (2023), eISSN: 1879-3223 https://doi.org/10.1016/j.tws.2022.110258 WOS:000884835600002	ELSEVIER Thin-Walled Structures	2023
10	Toma I.O. , Alexa-Stratulat S.M., Mihai P., Toma A.M., Taranu G.	Experimental Investigations on the Long Term Material Properties of Rubberized Portland Cement Concrete Appl. Sci. 2021, 11(22), 10868; F.I. = 2,838 (2021), eISSN: 2076-3417 https://doi.org/10.3390/app112210868 WOS: 000725734600001	MDPI Applied Sciences	2021

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Semnătura,