

DARIO DE DOMENICO

LIST OF SCIENTIFIC PUBLICATIONS

Articles in peer-reviewed international journals (Journal)

- [J1] Hofer L., Faleschini F., Toska K., Fitwi T.H., De Domenico D., Ricciardi G., Pellegrino C. (2026). *Retrofitting damaged reinforced concrete beam-column joints with carbon and basalt FRCM*. Engineering Structures (Elsevier), vol. 360, pp. 122662-122662, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2026.122662.
- [J2] Nouri Y., Hemati E., Mehravi R., Hemati S.A., De Domenico D. (2026). *Novel multiple beam damper (MBD) for efficient seismic protection of structures: Experimental, analytical and numerical study*. Journal of Building Engineering (Elsevier), vol. 122, pp. 115765, ISSN: 2352-7102, DOI: 10.1016/j.jobe.2026.115765.
- [J3] Shamsaddinlou A., Nikoofaraz M., De Domenico D., Longo M. (2026). *Computationally efficient python-based operational modal analysis of structures: Modalyzer*. Journal of Vibration and Control (Sage), vol. 0(0), pp. 1-24, ISSN: 1077-5463, DOI: 10.1177/10775463251410790.
- [J4] Nouri Y., Shirkhani A., Jouneghani H.G., Hemati E., De Domenico D. (2026). *Seismic performance assessment of steel MRFs retrofitted with arc and ring dampers*. Journal of Constructional Steel Research (Elsevier), vol. 236, pp. 109949, ISSN: 1873-5983, DOI: 10.1016/j.jcsr.2025.109949.
- [J5] Messina D., De Domenico D. (2025). *Structural safety assessment of existing cantilever bridge deck stocks with half-joints through fragility curves*. Engineering Structures (Elsevier), vol. 345, pp. 121560, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2025.121560.
- [J6] Shirgir S., Shamsaddinlou A., De Domenico D. (2025). *Reliability-Based Design Optimization of Tuned Mass Damper for Tall Buildings Considering Uncertainty of Soil-Structure Interaction*. The Structural Design of Tall and Special Buildings (Wiley), vol. 34(14), pp. e70075, ISSN: 1541-7808, DOI: 10.1002/tal.70075.
- [J7] Wu M., Zhao Z., De Domenico D., Zhang R., Xie M. (2025). *Butterfly-shaped damping tuned viscous mass damper for highly enhanced damping and acceleration control*. Journal of Building Engineering (Elsevier), vol. 111, pp. 113521, ISSN: 2352-7102, DOI: 10.1016/j.jobe.2025.113521.
- [J8] Djerouni S., Abdeddaim M., Elias S., Rupakhety R., De Domenico D. (2025). *Effectiveness of a Vertically Offset Double-Mass Tuned Inerter for Vibration Control of Buildings Considering Uncertainty in Near-Fault Pulse-Like Ground Motions*. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering (ASCE Library), vol. 11(4), ISSN: 2376-7642, DOI: 10.1061/AJRUA6.RUENG-1620.
- [J9] Jami M., Elias S., Rupakhety R., De Domenico D. (2025). *Reliability of bridges under near-fault pulse-type ground motions with vertical component consideration*. Structures (Elsevier), vol. 79, pp. 109407, ISSN: 2352-0124, DOI: 10.1016/j.istruc.2025.109407.
- [J10] Sadeghi-Movahhed A., De Domenico D., Mashayekhi M., Majdi A. (2025). *Optimal damping of isolated tall buildings accounting for structural and nonstructural damage*. Journal of Building Engineering (Elsevier), vol. 105, pp. 112497, ISSN: 2352-7102, DOI: 10.1016/j.jobe.2025.112497.
- [J11] De Domenico D., Mazzeo M., Messina D., Santoro R., Recupero A. (2025). *Structural health assessment of concrete half-joint bridges: From load testing to FEM simulation accounting for material uncertainties*. Structure and Infrastructure Engineering (Taylor & Francis Ltd.), vol. xxx, pp. xxx, ISSN: 15732479, DOI: 15732479.2025.2468199.
- [J12] Majdi A., Sadeghi-Movahhed A., Farsangi E.N., Mashayekhi M., Almujiab H., De Domenico D. (2025). *Application of the Modified Endurance Time Method for Predicting Seismic Response of Base-Isolated Structures under Pounding*. Journal of Earthquake and Tsunami (World Scientific), vol. 19, no. 3, pp. 2450037, ISSN: 1793-4311, DOI: 10.1142/S1793431124500374.
- [J13] De Domenico D., Bernardo L.F.A. (2025). *Editorial for "Mechanical Behavior of Concrete Materials and Structures: Experimental Evidence and Analytical Models (Volume II)"*. Materials (MDPI), vol. 18(3), pp. 584, ISSN: 1996-1944, DOI: 10.3390/ma18030584.
- [J14] Abood E.A., Al-Kamal M.K., Muhodir S.H., Al-Abdaly N.M., Bernardo L.F.A., De Domenico D., Imran H. (2025). *Coupling Beams' Shear Capacity Prediction by Hybrid Support Vector Regression and Particle Swarm Optimization*. Buildings (MDPI), vol. 15(2), pp. 191, ISSN: 2075-5309, DOI: 10.3390/buildings15020191.
- [J15] De Domenico D., Spinella N., Messina D., Mazzeo M., Recupero A. (2025). *Structural behavior of deteriorated Gerber half-joints in highway overpasses by nonlinear finite element analysis combined with a simplified uniform-corrosion model*. Structural Concrete (Wiley), vol. 26(5), pp. 5677-5707, ISSN: 1751-7648, DOI: 10.1002/suco.202400556.
- [J16] Zeng Q., Quaranta G., De Domenico D., Monti G. (2025). *Variable-Angle Spatial Truss Model for Analytical Biaxial Shear Capacity Prediction of Reinforced Concrete Members with Transverse Reinforcement*. Journal

- of Structural Engineering (ASCE Library), vol. 151(1), pp. 04024201, ISSN: 0733-9445, DOI: 10.1061/JSENDH.STENG-13940.
- [J17] Zeng Q., De Domenico D., Quaranta G., Monti G. (2024). *Experimental investigation on the cyclic behaviour of full-scale reinforced concrete columns under biaxial shear loading*. Structures (Elsevier), vol. 70, pp. 107747, ISSN: 2352-0124, DOI: 10.1016/j.istruc.2024.107747.
- [J18] Abood E.A., Abdallah M.H., Alsaadi M., Imran H., Bernardo L.F.A., De Domenico D., Henedy S.N. (2024). *Machine Learning-Based Prediction Models for Punching Shear Strength of Fiber-Reinforced Polymer Reinforced Concrete Slabs Using a Gradient-Boosted Regression Tree*. Materials (MDPI), vol. 17, pp. 3964, ISSN: 1996-1944, DOI: 10.3390/ma17163964.
- [J19] Ribeiro T., Bernardo L., Carrazedo R., De Domenico D. (2024). *Topology optimisation of steel connections under compression assisted by physical and geometrical nonlinear finite element analysis and its application to an industrial case study*. Structural and Multidisciplinary Optimazion (Springer), vol. 67 (88), article no. 88, DOI: 10.1007/s00158-024-03799-7.
- [J20] Sadeghi-Movahhed A., De Domenico D., Majdi A. (2024). *Structural flexibility impact on pounding severity and seismic performance of adjacent isolated buildings*. Soil Dynamics and Earthquake Engineering (Elsevier), vol. 181, pp. 108667, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2024.108667.
- [J21] De Domenico D., Gandelli E., Gioitta A. (2024). *Displacement-based design procedure for the seismic retrofit of existing buildings with self-centering dissipative braces*. Structures (Elsevier), vol. 62, pp. 106174, ISSN: 2352-0124, DOI: 10.1016/j.istruc.2024.106174.
- [J22] Ribeiro T., Bernardo L., Nepomuceno M.C., Maugeri N., Longo P., De Domenico D. (2024). *Experimental results for topologically optimised steel joints under tension*. Results in Engineering (Elsevier), vol. 21, pp. 101732, ISSN: 2590-1230, DOI: 10.1016/j.rineng.2023.101732.
- [J23] Mazzeo M., De Domenico D., Quaranta G., Santoro R. (2024). *An efficient automatic modal identification method based on free vibration response and enhanced Empirical Fourier Decomposition technique*. Engineering Structures (Elsevier), vol. 298, pp. 117046, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2023.117046.
- [J24] Ribeiro T., Bernardo L., Nepomuceno M.C., Maugeri N.A., Longo P., De Domenico D. (2023). *Shear Testing of Topologically Optimised Web Cover Plates in Splice Connections—Experiment Design and Results*. Materials (MDPI), vol. 16(22), pp. 7077, ISSN: 1996-1944, DOI: 10.3390/ma16227077.
- [J25] Ribeiro T., Bernardo L., Carrazedo R., De Domenico D. (2023). *Ultimate capacity and stability of topologically optimised shear plates in compliance with structural Eurocodes*. Structures (Elsevier), vol. 57, pp. 105307, ISSN: 2352-0124, DOI: 10.1016/j.istruc.2023.105307.
- [J26] De Domenico D., Gandelli E., Gioitta A. (2023). *Seismic response and recentering behavior of reinforced concrete frames: A parametric study*. Applied Sciences (MDPI), vol. 13, no. 14, pp. 8549, ISSN 2076-3417, DOI: 10.3390/app13148549.
- [J27] Majdi A., Sadeghi-Movahhed A., Mashayekhi M., Zardari S., Benjeddou O., De Domenico D. (2023). *On the Influence of Unexpected Earthquake Severity and Dampers Placement on Isolated Structures Subjected to Pounding Using the Modified Endurance Time Method*. Buildings (MDPI), vol. 13, pp. 1278, ISSN: 2075-5309, DOI: 10.3390/buildings13051278.
- [J28] Qiao H., Huang P., De Domenico D. (2023). *Automatic optimal design of passive vibration control devices for buildings using two-level evolutionary algorithm*. Journal of Building Engineering (Elsevier), vol. 72, pp. 106684, ISSN: 2352-7102, DOI: 10.1016/j.job.2023.106684.
- [J29] Chen X., De Domenico D., Chunxiang L. (2023). *Seismic resilient design of rocking tall bridge piers using inerter-based systems*. Engineering Structures (Elsevier), vol. 281, pp. 115819, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2023.115819.
- [J30] Elias S., Djerouni S., De Domenico D., Abdeddaim M., El Ouni M.H. (2023). *Seismic response control of building structures under pulse-type ground motions by active vibration controller*. Journal of Low Frequency Noise, Vibration and Active Control (SAGE Publishing Ltd), vol. 42(1), pp. 345-367, ISSN: 1461-3484, DOI: 10.1177/14613484221130192.
- [J31] Mazzeo M., De Domenico D., Quaranta G., Santoro R. (2023). *Automatic modal identification of bridges based on free vibration response and variational mode decomposition technique*. Engineering Structures (Elsevier), vol. 280, pp. 115665, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2023.115665.
- [J32] Qiao H., Huang P., De Domenico D., Wang Q. (2023). *Targeted modal response control of structures with inerter-based vibration absorbers considering modal interaction effects*. Journal of Building Engineering (Elsevier), vol. 64, pp. 105692, ISSN: 2352-7102, DOI: 10.1016/j.job.2022.105692.
- [J33] Djerouni S., Elias S., Abdeddaim M., De Domenico, D. (2023). *Effectiveness of Optimal Shared Multiple Tuned Mass Damper Inerters for Pounding Mitigation of Adjacent Buildings*. Practice Periodical on Structural Design and Construction (ASCE Library), vol. 28(1), pp. 04022063, ISSN: 1084-0680, DOI: 10.1061/(ASCE)SC.1943-5576.0000732.
- [J34] De Domenico D., Messina D., Recupero, A. (2023). *Seismic vulnerability assessment of reinforced concrete*

- bridge piers with corroded bars. *Structural Concrete* (Wiley), vol. 24(1), pp. 56-83, ISSN: 1751-7648, DOI: 10.1002/suco.202200378.
- [J35] Wang Q., Zheng Z., Qiao H., De Domenico D. (2023), *Seismic protection of reinforced concrete continuous girder bridges with inerter-based vibration absorbers*. *Soil Dynamics and Earthquake Engineering* (Elsevier), vol. 164, pp. 107526, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2022.107526.
- [J36] De Domenico D., Losanno D., Vaiana N. (2023). *Experimental tests and numerical modeling of full-scale unbonded fiber reinforced elastomeric isolators (UFREIs) under bidirectional excitation*. *Engineering Structures* (Elsevier), vol. 274, pp. 115118, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2022.115118.
- [J37] De Domenico D., Tesfamariam S., Lu X. (2022), *Editorial: Smart Passive Damper Design for Building Structures with Higher Resilience Under Uncertain Earthquake Ground Motions*. *Frontiers in Built Environment*, vol. 8, article:1074273, ISSN: 2297-3362, DOI: 10.3389/fbuil.2022.1074273253.
- [J38] Ribeiro T., Bernardo L., Carrazedo R., De Domenico D. (2022). *Eurocode-compliant topology optimisation of steel moment splice connections*. *Journal of Building Engineering* (Elsevier), vol. 62, pp. 105346, ISSN: 2352-7102, DOI: 10.1016/j.jobbe.2022.105346.
- [J39] De Domenico D., Maugeri N., Longo P., Ricciardi G., Gullì G., Calabrese L. (2022), *Clevis-Grip Tensile Tests on Basalt, Carbon and Steel FRCM Systems Realized with Customized Cement-Based Matrices*. *Journal of Composites Science* (MDPI), vol. 6(9), pp. 275. ISSN: 2504-477X, DOI: 10.3390/jcs6090275.
- [J40] Qiao H., Huang P., De Domenico D., Wang Q. (2022), *Structural control of high-rise buildings subjected to multi-hazard excitations using inerter-based vibration absorbers*. *Engineering Structures* (Elsevier), vol. 266, pp. 114666, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2022.114666.
- [J41] De Domenico D., Bernardo L.F.A. (2022), *Editorial for "Mechanical Behavior of Concrete Materials and Structures: Experimental Evidence and Analytical Models"*. *Materials* (MDPI), vol. 15(14), pp. 4921, ISSN: 1996-1944, DOI: 10.3390/ma15144921.
- [J42] Quaranta G., De Domenico D., Monti G. (2022), *Machine-learning-aided improvement of mechanics-based code-conforming shear capacity equation for RC elements with stirrups*. *Engineering Structures* (Elsevier), vol. 267(12), pp. 114665, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2022.114665.
- [J43] Bernardo L.F.A., Teixeira M.M., De Domenico D., Gama J.M.R. (2022), *Improved Equations for the Torsional Strength of Reinforced Concrete Beams for Codes of Practice Based on the Space Truss Analogy*. *Materials* (MDPI), vol. 15, pp. 3827. ISSN: 1996-1944, DOI: 10.3390/ma15113827.
- [J44] Ribeiro T., Bernardo L., Carrazedo R., De Domenico D. (2022), *Eurocode-compliant Topology optimisation and analysis of a steel Cover-plate in a splice moment connection*. *Materials Today: Proceedings* (Elsevier), vol. 65, pp. 1056-1063, ISSN: 0888-3270, DOI: 10.1016/j.matpr.2022.04.140.
- [J45] Losanno D., De Domenico D., Madera-Sierra I.E. (2022), *Experimental testing of full-scale fiber reinforced elastomeric isolators (FREIs) in unbounded configuration*, *Engineering Structures* (Elsevier), vol. 260(3), pp. 114234, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2022.114234.
- [J46] De Domenico D., Messina D., Recupero A.A. (2022), *Quality control and safety assessment of prestressed concrete bridge decks through combined field tests and numerical simulation*, *Structures* (Elsevier), vol. 39, pp. 1135-1157, ISSN: 2352-0124, DOI: 10.1016/j.istruc.2022.03.086.
- [J47] Lu X., Plevris V., Tsiatas G., De Domenico D. (2022), *Editorial: Artificial Intelligence-Powered Methodologies and Applications in Earthquake and Structural Engineering*. *Frontiers in Built Environment*, vol. 8, article 876077, ISSN: 2297-3362, DOI: 10.3389/fbuil.2022.876077.
- [J48] De Domenico D., Quaranta G., Ricciardi G., Lacarbonara W. (2022), *Optimum design of tuned mass damper with pinched hysteresis under nonstationary stochastic seismic ground motion*. *Mechanical Systems and Signal Processing* (Elsevier), vol. 170, pp. 108745, ISSN: 0888-3270, DOI: 10.1016/j.ymssp.2021.108745.
- [J49] Ribeiro T., Bernardo L., Carrazedo R., De Domenico D. (2022), *Seismic Design of Bolted Connections in Steel Structures—A Critical Assessment of Practice and Research*. *Buildings* (MDPI), vol. 12(1), 32, ISSN: 2075-5309, DOI: 10.3390/buildings12010032.
- [J50] Tubaldi E., Scozzese F., De Domenico D., Dall'Asta A. (2021), *Effects of axial loads and higher order modes on the seismic response of tall bridge piers*, *Engineering Structures* (Elsevier), vol. 247, pp. 113134, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2021.113134.
- [J51] De Domenico D., Messina D., Recupero A.A. (2021), *A Combined Experimental–Numerical Framework for Assessing the Load-Bearing Capacity of Existing PC Bridge Decks Accounting for Corrosion of Prestressing Strands*, *Materials* (MDPI), vol. 14(17), pp. 4914, ISSN: 1996-1944, DOI: 10.3390/ma14174914.
- [J52] De Domenico D., Gandelli E. (2021), *Advanced modeling of SMA flag-shaped hysteresis for nonlinear time-history analysis in SAP2000*, *Journal of Structural Engineering* (ASCE Library), vol. 147(11), pp. 06021004, ISSN: 0733-9445, DOI: 10.1061/(ASCE).1943-541X.0003176.
- [J53] Elias S., Rupakhety R., De Domenico D., Olafsson S. (2021), *Seismic Response Control of Bridges with Nonlinear Tuned Vibration Absorbers*, *Structures* (Elsevier), vol. 34, pp. 262-274, ISSN: 2352-0124, DOI: 10.1016/j.istruc.2021.07.066.

- [J54] Zhang R., Zhang L., Pan C., De Domenico D., Chen Q. (2021), *Targeted modal response control of structures using inerter-based systems based on master oscillator principle*, International Journal of Mechanical Sciences (Elsevier), vol. 206, pp. 106636, ISSN: 0020-7403, DOI: 10.1016/j.ijmecsci.2021.106636.
- [J55] Wu H., Wang Q., Tiwari N.D., De Domenico D. (2021), *Comparison of Dynamic Responses of Parallel-Placed Adjacent High-Rise Buildings under Wind and Earthquake Excitations*, Shock and Vibration (Hindawi), Article ID 6644158, DOI: 10.1155/2021/6644158.
- [J56] De Domenico D., Hajirasouliha I. (2021), *Multi-level performance-based design optimisation of steel frames with nonlinear viscous dampers*, Bulletin of Earthquake Engineering (Springer), vol. 19(12), pp. 5015-5049, ISSN: 1570-761X, DOI: 10.1007/s10518-021-01152-7.
- [J57] Gandelli E., De Domenico D., Quaglini V. (2021), *Cyclic engagement of hysteretic steel dampers in braced buildings: A parametric investigation*, Bulletin of Earthquake Engineering (Springer), vol. 19, pp. 5219-5251, ISSN: 1570-761X, DOI: 10.1007/s10518-021-01156-3.
- [J58] Moslehi Tabar A., De Domenico D., Dindari H. (2021), *Seismic rehabilitation of steel arch bridges using nonlinear viscous dampers: Application to a case study*. Practice Periodical on Structural Design and Construction (ASCE Library), vol. 26(3), pp. 04021012, ISSN: 1084-0680, DOI: 10.1061/(ASCE)SC.1943-5576.0000576.
- [J59] Wang Q., Qiao H., De Domenico D., Zhu Z., Tang, Y. (2021), *Seismic performance of optimal Multi-Tuned Liquid Column Damper-Inerter (MTLCDI) applied to adjacent high-rise buildings*. Soil Dynamics and Earthquake Engineering (Elsevier), vol. 143, pp. 106653, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2021.106653.
- [J60] De Domenico D., Quattrocchi A., Alizzio D., Montanini R., Urso S., Ricciardi G., Recupero A. (2021), *Experimental Characterization of the FRCM-Concrete Interface Bond Behavior Assisted by Digital Image Correlation*. Sensors (MDPI), vol. 21(4), pp. 1154, ISSN: 1424-8220, DOI: 10.3390/s21041154.
- [J61] De Domenico D., Ricciardi G., Askes H. (2021), *A generalized integro-differential theory of nonlocal elasticity of n-Helmholtz type: part II— boundary-value problems in the one-dimensional case*. Meccanica (Springer), vol. 56, pp. 651-687, ISSN: 0025-6455, DOI: 10.1007/s11012-020-01298-9.
- [J62] De Domenico D., Ricciardi G., Askes H. (2021), *A generalized integro-differential theory of nonlocal elasticity of n-Helmholtz type: part I—analytical formulation and thermodynamic framework*. Meccanica (Springer), vol. 56, pp. 629-649, ISSN: 0025-6455, DOI: 10.1007/s11012-020-01297-w.
- [J63] Peng Y., Ma Y., Huang T., De Domenico D. (2021), *Reliability-Based Design Optimization of Adaptive Sliding Base Isolation System for Improving Seismic Performance of Structures*, Reliability Engineering & System Safety (Elsevier), vol. 205, pp. 107167, ISSN: 0951-8320, DOI: 10.1016/j.ress.2020.107167.
- [J64] De Domenico D. (2021), *Torsional strength of RC members using a plasticity-based variable-angle space truss model accounting for non-uniform longitudinal reinforcement*. Engineering Structures (Elsevier), vol. 228, pp. 111540, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2020.111540.
- [J65] De Domenico D., Urso S., Borsellino C., Spinella N., Recupero A. (2020), *Bond behavior and ultimate capacity of notched concrete beams with externally-bonded FRP and PBO-FRCM systems under different environmental conditions*. Construction and Building Materials (Elsevier), vol. 121208, pp. 1-16, ISSN: 0950-0618, DOI: 10.1016/j.conbuildmat.2020.121208.
- [J66] De Domenico D., Tubaldi E., Takewaki I., Karavasilis T., Dall'Asta A., Lavan O. (2020), *Editorial: Recent Advances and Applications of Seismic Isolation and Energy Dissipation Devices*, Frontiers in Built Environment, vol. 6, n. 126, ISSN: 2297-3362, DOI: 10.3389/fbuil.2020.00126.
- [J67] Wang Q., Qiao H., De Domenico D., Zhu Z., Tang Y. (2020), *Seismic response control of adjacent high-rise buildings linked by the Tuned Liquid Column Damper-Inerter (TLCDI)*, Engineering Structures (Elsevier), vol. 223, pp. 111169, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2020.111169.
- [J68] Gandelli E., De Domenico D., Dubini P., Besio M., Bruschi E., Quaglini V. (2020), *Influence of the breakaway friction on the seismic response of buildings isolated with curved surface sliders: Parametric study and design recommendations*, Structures (Elsevier), vol. 27, pp. 788-812, ISSN: 2352-0124, DOI: 10.1016/j.istruc.2020.06.035.
- [J69] De Domenico D., Qiao H., Wang Q., Zhu Z., Marano G. (2020), *Optimal design and seismic performance of Multi-Tuned Mass Damper Inerter (MTMDI) applied to adjacent high-rise buildings*, The Structural Design of Tall and Special Buildings (Wiley Online Library), 29, e1781, ISSN: 1541-7808, DOI: 10.1002/tal.1781.
- [J70] Moslehi Tabar A., De Domenico D. (2020), *Nonlinear response spectrum analysis of structures equipped with nonlinear power law viscous dampers*, Engineering Structures (Elsevier), vol. 219, pp. 110857, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2020.110857.
- [J71] Faleschini F., Zanini M., Hofer L., Toska K., De Domenico D., Pellegrino C. (2020), *Confinement of reinforced concrete columns with glass fiber reinforced cementitious matrix jackets*, Engineering Structures (Elsevier), vol. 218, pp. 110847, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2020.110847.
- [J72] Falliano D., De Domenico D., Ricciardi G., Gugliandolo E. (2020), *3D-printable lightweight foamed concrete and comparison with classical foamed concrete in terms of fresh state properties and mechanical strength*,

- Construction and Building Materials (Elsevier), vol. 254, pp. 119271, ISSN: 0950-0618, DOI: 10.1016/j.conbuildmat.2020.119271.
- [J73] De Domenico D., Ricciardi G., Zhang R. (2020), *Editorial for "Recent Advances in the Design of Structures with Passive Energy Dissipation Systems"*, Applied Sciences (MDPI), vol. 10, no. 8, p. 2819, ISSN 2076-3417, DOI: 10.3390/app10082819.
- [J74] De Domenico D., Gandelli E., Quaglini V. (2020), *Adaptive isolation system combining low-friction sliding pendulum bearings and SMA-based gap dampers*, Engineering Structures (Elsevier), vol. 212, pp. 110536, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2020.110536.
- [J75] De Domenico D., Ricciardi G., Zhang R. (2020), *Optimal design and seismic performance of tuned fluid inerter applied to structures with friction pendulum isolators*, Soil Dynamics and Earthquake Engineering (Elsevier), vol. 132, pp. 106099, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2020.106099.
- [J76] Zhao Z., Zhang R., Jiang Y., De Domenico D., Pan C. (2020), *Displacement-dependent damping inerter system for seismic response control*, Applied Sciences (MDPI), vol. 10, no. 1, p. 257, ISSN 2076-3417, DOI: 10.3390/app10010257.
- [J77] De Domenico D., Ricciardi G. (2020), *A stress field approach for the shear capacity of RC beams with stirrups*, Structural Engineering and Mechanics (Techno Press), vol. 73(5), pp. 515-527, ISSN: 1225-4568, DOI: 10.12989/sem.2020.73.5.515.
- [J78] De Domenico D., Gandelli E., Quaglini V. (2020), *Effective base isolation combining low-friction curved surface sliders and hysteretic gap dampers*, Soil Dynamics and Earthquake Engineering (Elsevier), vol. 130, pp. 105989, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2019.105989.
- [J79] Jiang Y., Zhao Z., Zhang R., De Domenico D., Pan C. (2020), *Optimal design based on analytical solution for storage tank with inerter isolation system*, Soil Dynamics and Earthquake Engineering (Elsevier), vol. 129, pp. 105924, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2019.105924.
- [J80] Falliano D., De Domenico D., Sciarrone A., Ricciardi G., Restuccia L., Ferro G., Tulliani J.M.C. (2020), *Influence of biochar additions on the fracture behavior of foamed concrete*, Frattura ed Integrità Strutturale (Gruppo Italiano Frattura), vol. 51, pp. 189-198, ISSN: 1971-8993, DOI: 10.3221/IGF-ESIS.51.15.
- [J81] De Domenico D., Askes H., Aifantis E.C. (2020), *Discussion of "Derivation of Mindlin's first and second strain gradient elastic theory via simple lattice and continuum models" by Polyzos and Fotiadis*, International Journal of Solids and Structures (Elsevier), vol. 191, pp. 646-652, ISSN: 0020-7683, DOI: 10.1016/j.ijsolstr.2019.11.016.
- [J82] Wang Q., Qiao H., De Domenico D., Zhu Z., Xie Z. (2019), *Wind-induced response control of high-rise buildings using inerter-based vibration absorbers*, Applied Sciences (MDPI), vol. 9, no. 23, p. 5045, DOI: 10.3390/app9235045.
- [J83] De Domenico D., Falliano D., Ricciardi G. (2019), *Confinement effect of different arrangements of transverse reinforcement on axially loaded concrete columns: An experimental study*, Journal of the Mechanical Behavior of Materials (De Gruyter), vol. 28, pp. 13-19, ISSN: 2191-0243, DOI: 10.1515/jmbm-2019-0003.
- [J84] De Domenico D., Ricciardi G. (2019), *Shear strength of RC beams with stirrups using an improved Eurocode 2 truss model with two variable-inclination compression struts*, Engineering Structures (Elsevier), vol. 197, pp. 109359, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2019.109359.
- [J85] Falliano D., De Domenico D., Sciarrone A., Ricciardi G., Restuccia L., Tulliani J.M.C., Gugliandolo E. (2019), *Fracture behavior of lightweight foamed concrete: the crucial role of curing conditions*, Theoretical and Applied Fracture Mechanics (Elsevier), vol. 103, pp. 102297, ISSN: 0167-8442, DOI: 10.1016/j.tafmec.2019.102297.
- [J86] De Domenico D., Ricciardi G., Infanti S., Benzoni G. (2019), *Frictional heating in double curved surface sliders and its effects on the hysteretic behavior: An experimental study*, Frontiers in Built Environment; vol. 5, n. 74, ISSN: 2297-3362, DOI: 10.3389/fbuil.2019.00074.
- [J87] De Domenico D., Deastra P., Ricciardi G., Sims NS., Wagg DJ. (2019), *Novel fluid inerter based tuned mass dampers for optimised structural control of base-isolated buildings*, Journal of The Franklin Institute (Elsevier), vol. 356, no. 14, pp. 7626-7649, ISSN: 0016-0032, DOI: 10.1016/j.jfranklin.2018.11.012.
- [J88] De Domenico D., Impollonia N., Ricciardi G. (2019), *Seismic retrofitting of confined masonry-RC buildings: The case study of the university hall of residence in Messina, Italy*, Ingegneria Sismica (Pàtron editore), 36(1), pp. 54-85, ISSN: 0393-1420.
- [J89] De Domenico D., Ricciardi G. (2019), *Dynamic response of non-classically damped structures via reduced-order complex modal analysis: Two novel truncation measures*, Journal of Sound and Vibration (Elsevier), vol. 452, pp. 169-190, ISSN 0022-460X, DOI: 10.1016/j.jsv.2019.04.010.
- [J90] De Domenico D., Ricciardi G., Takewaki I. (2019), *Design strategies of viscous dampers for seismic protection of building structures: A review*, Soil Dynamics and Earthquake Engineering (Elsevier), vol. 118, pp. 144-165, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2018.12.024.

- [J91] Falliano D., De Domenico D., Ricciardi G., Gugliandolo E. (2019), *Compressive and flexural strength of fiber-reinforced foamed concrete: Effect of fiber content, curing conditions and dry density*, Construction and Building Materials (Elsevier), vol. 198, pp. 479-493, ISSN: 0950-0618, DOI: 10.1016/j.conbuildmat.2018.11.197.
- [J92] De Domenico D., Ricciardi G. (2019), *Earthquake protection of structures with nonlinear viscous dampers optimized through an energy-based stochastic approach*, Engineering Structures (Elsevier), vol. 179, pp. 523-539, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2018.09.076.
- [J93] Falliano D., De Domenico D., Ricciardi G., Gugliandolo E. (2019), *Improving the flexural capacity of extrudable foamed concrete with glass-fiber bi-directional grid reinforcement: An experimental study*, Composite Structures (Elsevier), vol. 209, pp. 45-59, ISSN: 0263-8223, DOI: 10.1016/j.compstruct.2018.10.092.
- [J94] De Domenico D., Askes H., Aifantis E.C. (2019), *Gradient elasticity and dispersive wave propagation: Model motivation and length scale identification procedures in concrete and composite laminates*, International Journal of Solids and Structures (Elsevier), vol. 158, pp. 176-190, ISSN: 0020-7683, DOI: 10.1016/j.ijsolstr.2018.09.007.
- [J95] De Domenico D., Askes H. (2018), *Nano-scale wave dispersion beyond the First Brillouin Zone simulated with inertia gradient continua*, Journal of Applied Physics (AIP Publishing), vol. 124, 205107, ISSN: 0021-8979, DOI: 10.1063/1.5045838.
- [J96] De Domenico D., Askes H., Aifantis E.C. (2018), *Capturing wave dispersion in heterogeneous and microstructured materials through a three-length-scale gradient elasticity formulation*. Journal of the Mechanical Behavior of Materials (De Gruyter), ISSN: 2191-0243, DOI: 10.1515/jmbm-2018-2002.
- [J97] De Domenico D., Falsone G., Laudani R. (2018), *In-plane response of masonry infilled RC framed structures: A probabilistic macromodeling approach*, Structural Engineering and Mechanics (Techno Press), vol. 68(4), pp. 423-442, ISSN: 1225-4568, DOI: 10.12989/sem.2018.68.4.423.
- [J98] De Domenico D., Askes H. (2018), *Stress gradient, strain gradient and inertia gradient beam theories for the prediction of flexural wave dispersion in carbon nanotubes*, Composites Part B: Engineering (Elsevier), vol. 153, pp. 285-294, ISSN: 1359-8368, DOI: 10.1016/j.compositesb.2018.08.083.
- [J99] De Domenico D., Falsone G., Laudani R. (2018), *Probability-based structural response of steel beams and frames with uncertain semi-rigid connections*, Structural Engineering and Mechanics (Techno Press); vol. 67, no. 5, pp. 439-455, ISSN: 1225-4568, DOI: 10.12989/sem.2018.67.5.439.
- [J100] De Domenico D., Ricciardi G. (2018), *Earthquake-resilient design of base isolated buildings with TMD at basement: Application to a case study*, Soil Dynamics and Earthquake Engineering (Elsevier), vol. 113, pp. 503-521, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2018.06.022.
- [J101] De Domenico D., Ricciardi G. (2018), *Optimal design and seismic performance of tuned mass damper inerter (TMDI) for structures with nonlinear base isolation systems*, Earthquake Engineering and Structural Dynamics (Wiley Online Library), vol. 47, pp. 2539-2560, ISSN: 0098-8847, DOI: 10.1002/eqe.3098.
- [J102] De Domenico D., Ricciardi G. (2018), *Improving the dynamic performance of base isolated structures via TMD and inerter devices: A comparative study*, Structural Control and Health Monitoring (Wiley Online Library), vol. 25, issue 10, e2234, ISSN: 1545-2255, DOI: 10.1002/stc.2234.
- [J103] De Domenico D., Ricciardi G. (2018), *Improved stochastic linearization technique for structures with nonlinear viscous dampers*, Soil Dynamics and Earthquake Engineering (Elsevier), vol. 113, pp. 415-419, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2018.06.015.
- [J104] Falliano D., De Domenico D., Ricciardi G., Gugliandolo E. (2018), *Mechanical Characterization of Extrudable Foamed Concrete: An Experimental Study*, World Academy of Science, Engineering and Technology International Journal of Civil and Environmental Engineering, vol. 12, no. 3, pp. 228-232, DAI: urn:dai:10.1999/1307-6892/10008710.
- [J105] De Domenico D., Faleschini F., Pellegrino C., Ricciardi G. (2018), *Structural behavior of RC beams containing EAF slag as recycled aggregate: Numerical versus experimental results*, Construction and Building Materials (Elsevier), vol. 171, pp. 321-337, ISSN: 0950-0618, DOI: 10.1016/j.conbuildmat.2018.03.128.
- [J106] De Domenico D., Ricciardi G. (2018), *An enhanced base isolation system equipped with optimal Tuned Mass Damper Inerter (TMDI)*, Earthquake Engineering and Structural Dynamics (Wiley Online Library), vol. 47, pp. 1169-1192, ISSN: 0098-8847, DOI: 10.1002/eqe.3011.
- [J107] De Domenico D., Falsone G., Ricciardi G. (2018), *Improved response-spectrum analysis of base-isolated buildings: A substructure-based response spectrum method*, Engineering Structures (Elsevier), vol. 162, pp. 198-212, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2018.02.037.
- [J108] Falliano D., De Domenico D., Ricciardi G., Gugliandolo E. (2018), *Experimental investigation on the compressive strength of foamed concrete: Effect of curing conditions, cement type, foaming agent and dry density*, Construction and Building Materials (Elsevier), vol. 165, pp. 735-749, ISSN: 0950-0618, DOI:

- 10.1016/j.conbuildmat.2017.12.241.
- [J109] De Domenico D., Ricciardi G. (2018), *Earthquake protection of existing structures with limited seismic joint: base isolation with supplemental damping versus rotational inertia*, Advances in Civil Engineering (Hindawi), vol. 2018, Article ID 6019495, ISSN: 1687-8086, DOI: 10.1155/2018/6019495.
- [J110] De Domenico D., Falsone G., Settineri D. (2018), *Probabilistic buckling analysis of beam-column elements with geometric imperfections and various boundary conditions*, Meccanica (Springer), vol. 53(4-5), pp. 1001-1013, ISSN: 0025-6455, DOI: 10.1007/s11012-017-0763-5.
- [J111] De Domenico D., Ricciardi G., Benzoni G. (2018), *Analytical and finite element investigation on the thermo-mechanical coupled response of friction isolators under bidirectional excitation*, Soil Dynamics and Earthquake Engineering (Elsevier), vol. 106, pp. 131-147, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2017.12.019.
- [J112] De Domenico D., Impollonia N., Ricciardi G. (2018), *Soil-dependent optimum design of a new passive vibration control system combining seismic base isolation with tuned inerter damper*, Soil Dynamics and Earthquake Engineering (Elsevier), vol. 105, pp. 37-53, ISSN: 0267-7261, DOI: 10.1016/j.soildyn.2017.11.023.
- [J113] De Domenico D., Askes H. (2017), *Computational aspects of a new multi-scale dispersive gradient elasticity model with micro-inertia*, International Journal for Numerical Methods in Engineering (Wiley & Sons), vol. 109, pp. 52-72, ISSN: 0029-5981, DOI: 10.1002/nme.5278.
- [J114] De Domenico D., Askes H. (2016), *A new multi-scale dispersive gradient elasticity model with micro-inertia: Formulation and C^0 -finite element implementation*, International Journal for Numerical Methods in Engineering (Wiley & Sons), vol. 108 (5), pp. 485-512, ISSN: 0029-5981, DOI: 10.1002/nme.5222.
- [J115] Pisano A.A., Fuschi P., De Domenico D. (2015), *Numerical limit analysis of steel-reinforced concrete walls and slabs*, Computers and Structures (Elsevier), vol. 160, pp. 42-55, ISSN: 0045-7949, DOI: 10.1016/j.compstruc.2015.08.004.
- [J116] Fuschi P., Pisano A.A., De Domenico D. (2015), *Plane stress problems in nonlocal elasticity: finite element solutions with a strain-difference-based formulation*, Journal of Mathematical Analysis and Applications (Elsevier), vol. 431, pp. 714-736, ISSN: 0022-247X, DOI: 10.1016/j.jmaa.2015.06.005.
- [J117] Bouabid A., De Domenico D., Pisano A.A., Limam O. (2015), *Collapse load of composite laminates: lower bound evaluation by stress field analytical approximation*, Composites Part B: Engineering (Elsevier), vol. 75, pp. 345-354, ISSN: 1359-8368, DOI: 10.1016/j.compositesb.2015.01.041.
- [J118] De Domenico D. (2015), *RC members strengthened with externally bonded FRP plates: A FE-based limit analysis approach*, Composites Part B: Engineering (Elsevier), vol. 71, pp. 159-174, ISSN: 1359-8368, DOI: 10.1016/j.compositesb.2014.11.013.
- [J119] De Domenico D., Fuschi P., Pardo S., Pisano A.A. (2014), *Strengthening of steel-reinforced concrete structural elements by externally bonded FRP sheets and evaluation of their load carrying capacity*, Composite Structures (Elsevier), vol. 118, pp. 377-384, ISSN: 0263-8223, DOI: 10.1016/j.compstruct.2014.07.040.
- [J120] De Domenico D., Pisano A.A., Fuschi P. (2014), *Limit analysis on FRP-strengthened RC members*, Frattura ed Integrità Strutturale (Gruppo Italiano Frattura), vol. 29, pp. 209-221, ISSN: 1971-8993, DOI: 10.3221/IGF-ESIS.29.18.
- [J121] Pisano A.A., Fuschi P., De Domenico D. (2014), *Limit state evaluation of steel-reinforced concrete elements by von-Mises and Menétrey-Willam-type yield criteria*, International Journal of Applied Mechanics (Imperial College Press), vol. 6, N. 5, ISSN: 1758-8251, DOI: 10.1142/S1758825114500586.
- [J122] De Domenico D., Pisano A.A., Fuschi P. (2014), *A FE-based limit analysis approach for concrete elements reinforced with FRP bars*, Composite Structures (Elsevier), vol. 107, pp. 594-603, ISSN: 0263-8223, DOI: 10.1016/j.compstruct.2013.08.039.
- [J123] Pisano A.A., Fuschi P., De Domenico D. (2013), *Peak loads and failure modes of steel-reinforced concrete beams: Predictions by limit analysis*, Engineering Structures (Elsevier), vol. 56, pp. 477-488, ISSN: 0141-0296, DOI: 10.1016/j.engstruct.2013.05.030.
- [J124] Pisano A.A., Fuschi P., De Domenico D. (2013), *A kinematic approach for peak load evaluation of concrete elements*, Computers and Structures (Elsevier), vol. 119, pp. 125-139, ISSN: 0045-7949, DOI: 10.1016/j.compstruc.2012.12.030.
- [J125] Pisano A.A., Fuschi P., De Domenico D. (2013), *Peak load prediction of multi-pin joints FRP laminates by limit analysis*, Composite Structures (Elsevier), vol. 96, pp. 763-772, ISSN: 0263-8223, DOI: 10.1016/j.compstruct.2012.09.038.
- [J126] Pisano A.A., Fuschi P., De Domenico D. (2013), *Failure modes prediction of multi-pin joints FRP laminates by limit analysis*, Composites Part B: Engineering (Elsevier), vol. 46, pp. 197-206, ISSN: 1359-8368, DOI: 10.1016/j.compositesb.2012.09.071.
- [J127] Pisano A.A., Fuschi P., De Domenico D. (2012), *A layered limit analysis of pinned-joints composite laminates: Numerical versus experimental findings*, Composites Part B: Engineering (Elsevier), vol. 43, pp.

International books (IB)

- [IB1] De Domenico D., Bernardo L.F.A. (2022), *Mechanical Behavior of Concrete Materials and Structures: Experimental Evidence and Analytical Models*, Publisher: MDPI, ISBN: 978-3-0365-4911-8, DOI: 10.3390/books978-3-0365-4911-8.
- [IB2] Ricciardi G., De Domenico D., Zhang R. (2020), *Recent Advances in the Design of Structures with Passive Energy Dissipation Systems*, Publisher: MDPI, ISBN: 978-3-03936-061-1, DOI: 10.3390/books978-3-03936-061-1.

Articles in international books (Book Chapters)

- [BC1] Shamsaddinlou A., De Domenico D., Longo M., La Mazza D., Mancini G., Recupero A. (2025). *A Comparative Study on the Estimation of Bridges Modal Parameters Through Different OMA Techniques for Structural Health Monitoring*. In: Cunha, Á., Caetano, E. (eds) *Experimental Vibration Analysis for Civil Engineering Structures. EVACES 2025. Lecture Notes in Civil Engineering*, vol 675. Springer, Cham. DOI: 10.1007/978-3-031-96106-9_21.
- [BC2] Shamsaddinlou A., Shirgir S., Nikoofaraz M., De Domenico D., Bitaraf M. (2025). *An Optimized Inference System for Predicting Seismic Responses of Bridges Considering Structural Behavior*. In: Caetano, E., Cunha, Á. (eds) *Experimental Vibration Analysis for Civil Engineering Structures. EVACES 2025. Lecture Notes in Civil Engineering*, vol 674. Springer, Cham. DOI: 10.1007/978-3-031-96110-6_80.
- [BC3] Losanno, D., Prakash, S., Medaglia, P., Parisi, F., Konstantinidis, D., Tubaldi, E., Ahmadi, H., Strauss, A., De Domenico, D., Vamvatsikos, D., Lachanas, C., Vassiliou, M., Ribeiro, F.L., & Correia, A.A. (2025). *3D Shaking Table Tests of a Full Scale 2-Storey Building with Fiber-Reinforced Elastomeric Isolators*. In: O'Reilly, G.J., Calvi, G.M. (eds) *Engineering Research Infrastructures for European Synergies. ERIES-IW 2025. Lecture Notes in Civil Engineering*, vol 718. Springer, Cham. DOI: 10.1007/978-3-031-98893-6_26.
- [BC4] De Domenico, D., Mazzeo, M., Messina, D., & Recupero, A. (2024). *Road overpasses with Gerber half-joints: Field tests and numerical models*. In: Jensen, J.S., Frangopol, D.M., & Schmidt, J.W. (Eds.). (2024). *Bridge Maintenance, Safety, Management, Digitalization and Sustainability* (1st ed.). CRC Press, London (UK). ISBN 978-1-032-77040-6. DOI: 10.1201/9781003483755.
- [BC5] Faleschini, F., Feltrin, G., Zanini, M.A., Andreose, F., Hofer, L., Pellegrino, C., De Domenico, D., Ricciardi, G. (2024). *Structural Health Monitoring of a Historical Church in Italy*. In: Rainieri, C., Gentile, C., Aenlle López, M. (eds) *Proceedings of the 10th International Operational Modal Analysis Conference (IOMAC 2024)*. IOMAC 2024. *Lecture Notes in Civil Engineering*, vol 514, pp. 176-183. Springer, Cham. DOI: 10.1007/978-3-031-61421-7_18
- [BC6] De Domenico, D., Messina, D., & Recupero, A. (2024). *Quality Control of Prestressed Concrete Girder Decks in Existing Bridges: From Diagnostics to Numerical Analysis*. In: Aiello, M.A., Bilotta A. (eds) *Proceedings of Italian Concrete Conference 2022. Lecture Notes in Civil Engineering*, vol. 435, pp. 245-259). Springer, Cham. DOI: 10.1007/978-3-031-43102-9_20.
- [BC7] De Domenico, D. (2024). *Modified EC2 Model for the Shear Strength of RC Beams with Stirrups*. In: di Prisco, M., Menegotto, M. (eds) *Proceedings of Italian Concrete Conference 2020/21. ICC 2021. Lecture Notes in Civil Engineering*, vol 351. Springer, Cham. DOI: 10.1007/978-3-031-37955-0_25.
- [BC8] Falliano, D., De Domenico, D., Cosenza, P., Ricciardi, G., Restuccia, L., Ferro, G.A. (2024). *Green High-Performance Mortars for 3D Printing Applications*. In: di Prisco, M., Menegotto, M. (eds) *Proceedings of Italian Concrete Conference 2020/21. ICC 2021. Lecture Notes in Civil Engineering*, vol 351. Springer, Cham. DOI: 10.1007/978-3-031-37955-0_32.
- [BC9] Mazzeo M., De Domenico D., Quaranta G., Santoro R. (2023), *Informed assessment of structural health conditions of bridges based on free-vibration tests*. In: Biondini, F., Frangopol, D.M. (eds) *Life-Cycle of Structures and Infrastructure Systems. Proceedings of the Eighth International Symposium on Life-cycle Civil Engineering (IALCCE 2023)*, 2-6 July, 2023, Milan, Italy, CRC Press, ISBN 978-1-003-32302-0, DOI: 10.1201/9781003323020-333.
- [BC10] De Domenico D., Messina D., Cavallaro A., Recupero, A. (2023). *Unseating Risk of a Continuous PC Box-Girder Bridge: Experimental Monitoring and Numerical Analysis*. In: Ilki, A., Çavunt, D., Çavunt, Y.S. (eds) *Building for the Future: Durable, Sustainable, Resilient. fib Symposium 2023. Lecture Notes in Civil Engineering*, Springer, Cham, vol 350, pp. 867-878. DOI: 10.1007/978-3-031-32511-3_89.
- [BC11] De Domenico D., Quaranta G., Zeng Q., Monti G. (2023), *Shear Capacity of RC Elements with Transverse Reinforcement Through a Variable-Angle Truss Model with Machine-Learning-Calibrated Coefficients*. In: Plevris, V., Ahmad, A., Lagaros, N.D. (eds) *Artificial Intelligence and Machine Learning Techniques for Civil Engineering*, chapter 7. IGI Global. ISBN: 9781668456439. DOI: 10.4018/978-1-6684-5643-

9.ch007.

- [BC12] Mazzeo M., De Domenico D., Quaranta G., Santoro R. (2023), *A Novel Procedure for Damping Ratio Identification from Free Vibration Tests with Application to Existing Bridge Decks*. In: Rizzo, P., Milazzo, A. (eds) *European Workshop on Structural Health Monitoring. EWSHM 2022. Lecture Notes in Civil Engineering*, vol 270, pp. 699-708. Springer, Cham. DOI: 10.1007/978-3-031-07322-9_70.
- [BC13] De Domenico, D., Messina, D., Recupero, A. (2022). *Structural Safety Assessment of Existing Bridge Decks: Numerical Analysis Assisted by Field Test Results*. In: Calabrò, F., Della Spina, L., Piñeira Mantiñán, M.J. (eds) *New Metropolitan Perspectives. NMP 2022. Lecture Notes in Networks and Systems*, vol 482. Springer, Cham. DOI: 10.1007/978-3-031-06825-6_217.
- [BC14] Djerouni S., Abdeddaim M., Elias S., De Domenico D., Rupakhety R. (2022), *Optimal Seismic Response Control of Adjacent Buildings Coupled with a Double Mass Tuned Damper Inerter*. In: Bekdaş G., Nigdeli S.M. (eds) *Optimization of Tuned Mass Dampers. Studies in Systems, Decision and Control*, vol 432. Springer, Cham. DOI: 10.1007/978-3-030-98343-7_6.
- [BC15] Jami M., Elias S., Rupakhety R., De Domenico D., Falsone G., Ricciardi G. (2022), *Are Bridges Safe Under Near-Fault Pulse-Type Ground Motions Considering the Vertical Component?* In: Pellegrino C., Faleschini F., Zanini M.A., Matos J.C., Casas J.R., Strauss A. (eds) *Proceedings of the 1st Conference of the European Association on Quality Control of Bridges and Structures. EUROSTRUCT 2021. Lecture Notes in Civil Engineering*, vol 200. Springer, Cham. DOI: 10.1007/978-3-030-91877-4_137.
- [BC16] De Domenico D., Sciutteri S., D'Arrigo A., Ricciardi G. (2022), *Seismic Retrofitting of Prestressed Concrete Bridges Through Friction Pendulum Isolation Bearings*. In: Pellegrino C., Faleschini F., Zanini M.A., Matos J.C., Casas J.R., Strauss A. (eds) *Proceedings of the 1st Conference of the European Association on Quality Control of Bridges and Structures. EUROSTRUCT 2021. Lecture Notes in Civil Engineering*, vol 200. Springer, Cham. DOI: 10.1007/978-3-030-91877-4_69.
- [BC17] De Domenico D., Quattrocchi A., Urso S., Alizzio D., Montanini R., Ricciardi G., Recupero A. (2021), *Experimental Investigation on the Bond Behavior of FRCM-Concrete Interface via Digital Image Correlation*. In: Rizzo P., Milazzo A. (eds) *European Workshop on Structural Health Monitoring. EWSHM 2020. Lecture Notes in Civil Engineering*, vol 128. Springer, Cham. DOI: 10.1007/978-3-030-64908-1_46.
- [BC18] Falliano D, Crupi G, De Domenico D, Ricciardi G, Restuccia L, Ferro G, Gugliandolo E. (2020), *Investigation on the Rheological Behavior of Lightweight Foamed Concrete for 3D Printing Applications*. In: RILEM International Conference on Concrete and Digital Fabrication (pp. 246-254). Springer, Cham. Print ISBN 978-3-030-49915-0; Electronic ISBN 978-3-030-49916-7. DOI: 10.1007/978-3-030-49916-7_25.
- [BC19] De Domenico D., Faleschini F., Pellegrino C., Ricciardi G. (2020), *Structural Behavior of RC Beams with EAF Slag as Recycled Aggregates: Numerical Versus Experimental Findings*. In: *Proceedings of Italian Concrete Days 2018*, di Prisco M., Menegotto M. (eds.). Springer International Publishing. Print ISBN: 978-3-030-23747-9; Electronic ISBN: 978-3-030-23748-6. DOI: 10.1007/978-3-030-23748-6_19.
- [BC20] Askes H., De Domenico D., Xu M., Gitman I.M., Bennett T., Aifantis E.C. (2019), *Operator Splits and Multiscale Methods in Computational Dynamics*. In: *Applied Wave Mathematics II*, Berezovski A., Soomere T. (eds), *Mathematics of Planet Earth*, vol 6. Springer, Cham, DOI: 10.1007/978-3-030-29951-4_11.
- [BC21] Falliano D., Gugliandolo E., De Domenico D., Ricciardi G. (2019), *Experimental Investigation on the Mechanical Strength and Thermal Conductivity of Extrudable Foamed Concrete and Preliminary Views on Its Potential Application in 3D Printed Multilayer Insulating Panels*, In: *First RILEM International Conference on Concrete and Digital Fabrication – Digital Concrete 2018*, Wangler T, Flatt R (eds.). DC 2018. RILEM Bookseries, vol 19, pp. 277-286, ISSN: 2211-0844. Springer, Cham, DOI: 10.1007/978-3-319-99519-9_26.
- [BC22] Pisano A.A., Fuschi P., De Domenico D. (2015), *Limit analysis on RC-structures by a multi-yield-criteria numerical approach*, In: *Direct Methods for Limit and Shakedown Analysis of Structures: advanced computational algorithms and material modelling* - Paolo Fuschi, Aurora A. Pisano & Dieter Weichert Editors (Springer International Publishing Switzerland), pp. 199-219, ISBN: 978-3-319-12927-3, DOI: 10.1007/978-3-319-12928-0_11.
- [BC23] Pisano A.A., Fuschi P., De Domenico D. (2014), *Limit Analysis: A Layered Approach for Composite Laminates*, In: *Direct Methods for Limit States in Structures and Materials* - Konstantinos Spiliopoulos & Dieter Weichert Editors (Springer Science + Business Media Dordrecht), pp. 23-56, ISBN: 978-94-007-6826-0, DOI: 10.1007/978-94-007-6827-7_2.

Articles in national books (National Book Chapters)

- [NBC1] De Domenico D., Ricciardi G. (2017), *Analisi del comportamento degli isolatori a pendolo sottoposti ad eccitazioni bidirezionali*, in: *Edifici ed impianti di nuova costruzione ed esistenti, e patrimonio culturale, protetti dal terremoto grazie a moderne tecnologie*, Dario Flaccovio Editore (Atti del Seminario GLIS

16 Settembre 2016), pp. 97-114, ISBN 978-88-579-0680-5.

- [NBC2] De Domenico D. (2015), *A Limit Analysis-Based Approach to Model R/C-Members Collapse*, In: Innovation in Concrete Structures and Cementitious Materials (PhD Student Award Edition 2014, ACI Italy Chapter, Federbeton Award) – Pietro G. Gambarova & Roberto Realfonzo Editors (ImReady), pp. 65-67, ISBN: 978-88-98720-02-6.

In proceedings of international conferences (International Proceedings)

- [IP1] Fitwi T.H., Toska K., Faleschini F., Hofer L., De Domenico D., Ricciardi G., Pellegrino C. (2026). *Seismic strengthening of exterior RC beam-column joint: basalt vs. carbon FRCM systems*. Procedia Structural Integrity (Elsevier), vol. 78, pp. 1775-1782, ISSN: 2452-3216, DOI: 10.1016/j.prostr.2025.12.226.
- [IP2] De Domenico D., Shamsaddinlou A., Maugeri N., Longo P., Messina D., Recupero A., La Mazza D., Longo M., Darò P., Mancini G. (2026). *Modal identification of prestressed concrete beams with artificial damage on prestressing strands*. Procedia Structural Integrity (Elsevier), vol. 78, pp. 65-72, ISSN: 2452-3216, DOI: 10.1016/j.prostr.2025.12.009.
- [IP3] Contreras-Bejarano O., Lopez-Garcia D., Villalba-Morales J.D., De Domenico D. (2025). *Evaluation of cluster-based and random record assignment heuristics to optimize damper distributions in buildings subjected to earthquakes*. In: Proceedings of COMPDYN2025, The 10th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, M. Papadrakakis, M. Fragiadakis (eds.), Paper ID 24757, Rhodes Island, Greece, 15-18 June 2025, DOI: 10.7712/120125.12669.25065
- [IP4] De Domenico D., Shamsaddinlou A., La Mazza D., Longo M., Maugeri N., Longo P., Messina D., Recupero A. (2025). *Prestressed concrete beams with artificially damaged strands: Plan of experimental tests and numerical modeling*. In: Proceedings of COMPDYN2025, The 10th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, M. Papadrakakis, M. Fragiadakis (eds.), Paper ID 24757, Rhodes Island, Greece, 15-18 June 2025, DOI: 10.7712/120125.12568.24757.
- [IP5] Shamsaddinlou, A., De Domenico, D., Longo, M., La Mazza, D., Mancini, G., & Recupero, A. (2025). *A Comparative Study of OMA Techniques Using a Novel Python Library for Structural Health Monitoring*. In: Döhler, M., Mélot, A., & López, M.A. (eds), Proceedings of the 11th International Operational Modal Analysis Conference (IOMAC 2025). ISBN: 978-84-09-75120-4, Rennes, France, 20-23 May 2025.
- [IP6] De Domenico D., Mazzeo M., Messina D., Santoro R., Quaranta G., Recupero A. (2024). *Modal identification of existing concrete half-joint bridges through free vibration tests*. Procedia Structural Integrity (Elsevier), vol. 64, pp. 784-790, ISSN: 2452-3216, DOI: 10.1016/j.prostr.2024.09.343.
- [IP7] Losanno D., Konstantinidis D., Tubaldi E., Ahmadi H., Strauss A., De Domenico D., Parisi F., Vassiliou M., Piga L., Ribeiro F.L., A.A. Correia (2024). *Design of shaking table tests for resilient structures with fiber-reinforced elastomeric isolators*. Proceedings of the 18th World Conference on Earthquake Engineering WCEE 2024, Milan, Italy, 30th June – 5th July 2024.
- [IP8] Vaiana N., Losanno D., De Domenico D. (2024). *Simulation of the biaxial hysteretic behavior of unbonded fiber reinforced elastomeric isolators*. Proceedings of the 18th World Conference on Earthquake Engineering WCEE 2024, Milan, Italy, 30th June – 5th July 2024.
- [IP9] Mazzeo M., De Domenico D., Quaranta G., Santoro R. (2024). *Modal Parameters identification in existing bridges based on free vibration tests*. Proceedings of the XII International Conference on Structural Dynamics (EURODYN 2023), In: Journal of Physics: Conference Series 2647 (2024) 182026, ISSN: 1742-6596, DOI: 10.1088/1742-6596/2647/18/182026.
- [IP10] Mazzeo M., De Domenico D., Quaranta G., Santoro R. (2023). *Automatic modal identification of bridges based on free vibrations and advanced signal decomposition techniques*. Vibroengineering Procedia, vol. 50, pp. 49-55, ISSN: 2538-8479, DOI: 10.21595/vp.2023.23534.
- [IP11] De Domenico D., Facconi L., Gandelli E., Gioitta A., Longo P., Maugeri N. (2023). *Seismic protection of substandard RC frames through self-centering dissipative braces*. In: Proceedings of COMPDYN2023, The 9th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, M. Papadrakakis, M. Fragiadakis (eds.), Paper ID 20472, Athens, Greece, 12-14 June 2023, DOI: 10.7712/120123.10382.20472.
- [IP12] De Domenico D., Maugeri N., Longo P., Mazzeo M., Ricciardi G., Quattrocchi A., Montanini R., Calabrese L. (2023). *Shear deficient RC beams retrofitted with inorganic-matrix composites*. In: Proceedings of COMPDYN2023, The 9th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, M. Papadrakakis, M. Fragiadakis (eds.), Paper ID 21050, Athens, Greece, 12-14 June 2023, DOI: 10.7712/120123.10561.21050, pp. 2296-2314.
- [IP13] Faleschini F., Toska K., Andreose F., Gobbi G., Feltrin G., Zanini M.A., Pellegrino C., De Domenico D., Ricciardi G. (2023). *Modal characterization and NDTs of a historical church in Noto*. Procedia Structural Integrity (Elsevier), vol. 44, pp. 2114-2121, ISSN: 2452-3216, DOI: 10.1016/j.prostr.2023.01.270.

- [IP14] De Domenico D., Longo P., Losanno D., Maugeri N., Ricciardi G., Vaiana, N. (2023). *Full-scale experimental tests on unbonded fiber reinforced elastomeric isolators under bidirectional excitation*. Procedia Structural Integrity, vol. 44, pp. 1498-1505, ISSN: 2452-3216, DOI: 10.1016/j.prostr.2023.01.192.
- [IP15] De Domenico D., Lamberto G., Messina D., Recupero A. (2023). *Seismic vulnerability assessment of reinforced concrete bridge piers exposed to chloride-induced corrosion*. Procedia Structural Integrity, vol. 44, pp. 633-640, ISSN: 2452-3216, DOI: 10.1016/j.prostr.2023.01.083.
- [IP16] De Domenico D., Quaranta G., Zeng Q., Monti G. (2023). *Machine-learning-enhanced variable-angle truss model to predict the shear capacity of RC elements with transverse reinforcement*. Procedia Structural Integrity, vol. 44, pp.1688-1695, ISSN: 2452-3216, DOI: 10.1016/j.prostr.2023.01.216.
- [IP17] De Domenico D., Longo P., Maugeri N., Ricciardi G., Losanno D., Serino G. (2022). *Experimental investigation on low-cost full-scale fiber reinforced elastomeric isolators tested in unbonded configuration*. Proceedings of the 3rd International Conference on Natural Hazards & Infrastructure - ICONHIC 2022, ISSN: 26234513, Publisher: National Technical University of Athens, Gazetas G., Anastasopoulos I. (eds.), 5-7 July 2022, Athens, Greece.
- [IP18] Falliano D., Quattrocchi S., De Domenico D., Ricciardi G., Gugliandolo E. (2022). *Critical assessment of CO2 emission of different concretes: foamed, lightweight aggregate, recycled and ordinary concrete*. Acta Polytechnica CTU Proceedings (Czech Technical University in Prague), fib International Conference on Concrete Sustainability 2021, ICCS 2021 Prague, Kateřina Sojková, Petr Hájek, Ctislav Fiala (Eds.), vol. 33, pp. 153-159, ISBN: 978-80-01-06964-6, DOI: 10.14311/APP.2022.33.0153.
- [IP19] De Domenico D., Hajirasouliha, I. (2021), *Multi-level optimisation of nonlinear viscous dampers for seismic retrofit of substandard steel frames*, In: Proceedings of COMPDYN2021, The 8th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, M. Papadrakakis, M. Fragiadakis (eds.), Paper ID 19239, Streamed from Athens, Greece, 27-30 June 2021, DOI: 10.7712/120121.8766.19239, pp. 4046-4057.
- [IP20] De Domenico D., Ricciardi G. (2021), *Using a tuned fluid inerter for improving the seismic performance of structures isolated with friction pendulum system*, In: Proceedings of REC2021 – 9th International Workshop on Reliable Engineering Computing, Risk and Uncertainty in Engineering Computations, (Alba Sofi, Giuseppe Muscolino, Rafi L. Muhanna editors), 17-20 May 2021. Zoom Platform.
- [IP21] De Domenico D., Quaranta G., Ricciardi G., Lacarbonara W. (2021), *Optimal design and seismic performance of a nonlinear TMD with pinched hysteresis*, In: NODYCON 2021, Second International Nonlinear Dynamics Conference (online), 16-19 February 2021.
- [IP22] Quaglini V, De Domenico D, Gandelli E, Ricciardi G. (2020), *Seismic performance of a friction pendulum-gap damper coupled system*. In: 17WCEE - 17th World Conference on Earthquake Engineering, Sendai, Japan, pp. 1-12.
- [IP23] Falliano D, De Domenico D, Quattrocchi S, Cosenza P, Ricciardi G, Restuccia L, Ferro GA. (2020), *Mechanical properties and carbon footprint of 3D-printable cement mortars with biochar additions*. In: MATEC Web of Conferences (Proceedings of the 10th International Conference of Advanced Models and New Concepts in Concrete and Masonry Structures (AMCM 2020)), vol. 323, p. 01017. EDP Sciences, DOI: 10.1051/mateconf/202032301017.
- [IP24] Falliano D., Sciarrone A., De Domenico D., Maugeri N., Longo P., Gugliandolo E., Ricciardi G. (2019), *Fiber-reinforced lightweight foamed concrete panels suitable for 3D printing applications*. In: IOP Conference Series: Materials Science and Engineering (IOP Publishing), 7th International Conference on Euro Asia Civil Engineering Forum, vol. 615, no. 1, p. 012018, DOI: 10.1088/1757-899X/615/1/012018.
- [IP25] De Domenico D., Deastra P., Ricciardi G., Sims N.D., Wagg D.J. (2019), *Improved seismic base isolation combined with fluid inerter and tuned mass damper*, 16WCSI – 16th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures, 1-6 July 2019, Saint Petersburg, Russia.
- [IP26] De Domenico D., Ricciardi G., Montanini R., Quattrocchi A., Borsellino C., Infanti S., Benzoni G. (2019), *Experimental investigation on the temperature rise of double curved surface sliders and its implications on the hysteretic behavior*, 16WCSI – 16th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures, 1-6 July 2019, Saint Petersburg, Russia.
- [IP27] De Domenico D., Impollonia N., Pianta N., Ricciardi G. (2019), *Seismic retrofit of the student hall of residence of Messina through buckling restrained braces*, COMPDYN 2019 – 7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Crete, Greece, 24-26 June 2019. Paper ID 18740.
- [IP28] De Domenico D., Ricciardi G., Takewaki I., Longo P., Maugeri N. (2019), *Optimization of nonlinear fluid viscous dampers for building structures: Energy-based design approach under stochastic seismic excitation*, COMPDYN 2019 – 7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Crete, Greece, 24-26 June 2019. Paper ID 18622.
- [IP29] Falliano D., De Domenico D., Sciarrone A., Ricciardi G., Restuccia L., Ferro G., Tulliani J.M.C., Gugliandolo

- E. (2019), *Investigation on the fracture behavior of foamed concrete*, Procedia Structural Integrity (Elsevier), vol. 18, pp. 525-535, ISSN: 2452-3216, DOI: 10.1016/j.prostr.2019.08.196.
- [IP30] Falliano D., De Domenico D., Ricciardi G., Gugliandolo E. (2018), *Key factors affecting the compressive strength of foamed concrete*, IOP Conf. Series: Materials Science and Engineering (IOP publishing), 14th International Conference on Concrete Engineering and Technology, vol. 431; p. 062009, DOI: 10.1088/1757-899X/431/6/062009.
- [IP31] De Domenico D., Failla I., Ricciardi G. (2017), *Analysis of dynamic instabilities in bridges under wind action through a simple friction-based mechanical model*, Procedia Engineering (Elsevier), X International Conference on Structural Dynamics, EURODYN 2017, vol. 199, pp. 134-139, ISSN: 1877-7058, DOI: 10.1016/j.proeng.2017.09.195.
- [IP32] De Domenico D., Ricciardi G., Benzoni G. (2017), *Numerical assessment of concave sliding isolator's mechanical behavior under bi-directional motion*, COMPDYN 2017 – 6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Rhodes Island, Greece, 15-17 June 2017. Paper ID 16749.
- [IP33] Askes H., De Domenico D. (2016), *A multi-scale gradient elasticity model with dispersion correction*, Proceedings of the 24th UK Conference of the Association for Computational Mechanics in Engineering, Cardiff, UK, 31 March-01 April 2016, pp. 159-162.
- [IP34] De Domenico D., Bevilacqua C., Pisano A.A. (2015), *Structural systems and constructions practices in social housing*, Proceedings of ISGMA - International Symposium on Green Manufacturing and Applications, Qingdao, China, 23-27 June 2015.
- [IP35] De Domenico, D., Pisano, A.A., Fuschi, P. (2014), *A two-yield-criteria limit analysis approach for steel-reinforced concrete slabs*, In: Proceedings of the WCCM XI – ECCM V – ECFD VI, Barcelona, Spain (2014). E. Oñate, J. Oliver and A. Huerta (Eds.), pp. 1833-1842. Barcelona: CIMNE, ISBN: 978-84-942844-7-2, Barcelona.
- [IP36] De Domenico, D., Pisano, A.A., Fuschi, P. (2014), *Direct evaluation of the load-carrying capacity of steel-reinforced concrete beams by limit analysis*, In: Proceedings of the WCCM XI – ECCM V – ECFD VI, Barcelona, Spain (2014). E. Oñate, J. Oliver and A. Huerta (Eds.), pp. 1843-1851. Barcelona: CIMNE, ISBN: 978-84-942844-7-2, Barcelona.

In proceedings of national conferences (National Proceedings)

- [NP1] Zeng Q., De Domenico D., Quaranta G., Monti G., *Machine-learning-enhanced variable-angle truss model for shear capacity assessment of reinforced concrete elements*, 7th Workshop The New Boundaries of Structural Concrete, Roma, 19-20 September 2024.
- [NP2] De Domenico D., Ricciardi G., Maugeri N., Longo P., Infanti S., Benzoni G. (2019), *Heating phenomena at the sliding interface of double curved surface sliders and resulting effects on the hysteretic behavior*, ANIDIS 2019 – XVIII Conference of the Italian Association of Earthquake Engineering, Ascoli Piceno, Italy, 15-19 September 2019.
- [NP3] De Domenico G., Ricciardi G. (2017), *Optimal design of a novel tuned inerter damper system for reducing the displacement demand of base-isolated structures*, AIMETA 2017 – XXIII Conference of the The Italian Association of Theoretical and Applied Mechanics, Salerno, Italy, 4-7 September 2017.
- [NP4] De Domenico D., Ricciardi G. (2017), *Improved response-spectrum analysis of base isolated buildings: Elastic versus inelastic response spectra*, ANIDIS 2017 – XVII Conference of the Italian Association of Earthquake Engineering, Pistoia, Italy, 17-21 September 2017.
- [NP5] De Domenico D., Ricciardi G., Impollonia N. (2017), *Passive vibration control systems combining base isolation with tuned inerter damper: optimal design for different soil conditions*, ANIDIS 2017 – XVII Conference of the Italian Association of Earthquake Engineering, Pistoia, Italy, 17-21 September 2017.
- [NP6] Pisano A.A., Fuschi P., De Domenico D. (2015), *A strain-integral-based nonlocal finite element method*, In: Atti del XXII Congresso AIMETA. AIMETA 2015. Genova, 14-17 September 2015. (Genova Univ. Press).
- [NP7] De Domenico D., Pisano A.A., Fuschi P. (2013), *A preliminary design tool for steel-reinforced concrete elements*, In: Atti del XXI Congresso AIMETA di Meccanica Teorica e Applicata. AIMETA. Turin, 17-20 September 2013. (Edizioni libreria Cortina Torino).
- [NP8] Pisano A.A., Fuschi P., De Domenico D. (2012), *Peak load computation of 3D concrete elements by Menétrey-Willam pressure sensitive yield condition*, Conference Proceedings In: Atti del XIX Convegno Italiano di Meccanica Computazionale GIMC2012. Rossano (CS), 25-27 June 2012, ISBN: 978-88-907488-0-6.
- [NP9] Pisano A.A., Fuschi P., De Domenico D. (2011), *A layer-by-layer limit analysis approach for composite laminates*, Conference Proceedings In: Atti del XX Congresso AIMETA di Meccanica Teorica e Applicata. AIMETA. Bologna, 12-15 September 2011 (Publi & Stampa Edizioni), ISBN: 978-88-906340-1-7.

Other Publications

- [01] Marano G.C., De Domenico D. (2020), *Ultimate Limit States for shear stress in reinforced concrete elements (Stati Limite Ultimi per Tensioni Tangenziali nelle Sezioni di Cemento Armato)*, Teaching notes for students of the Politecnico di Torino.
- [02] De Domenico D., Structural Analysis at Ultimate Limit States of Reinforced Concrete Elements: A Numerical Approach for the Evaluation of Peak Load and Collapse Mechanism, PhD thesis, University Mediterranea of Reggio Calabria, 2014.
- [03] De Domenico D., Fuschi P., Pisano A.A., Sofi A. (2011), *Lecture notes on truss (Esercizi svolti sulle Travature Reticolari Piane, in Italian)*, Teaching notes which can be consulted on website www.unirc.it.