Elenco dei titoli e delle pubblicazioni scientifiche
Settore Concorsuale:08/B2 - SCIENZA DELLE COSTRUZIONI
Prima Fascia

Luciano ROSATI

Posizione accademica

Settore Scientifico Disciplinare:	ICAR/08 - Scienza delle costruzioni
Qualifica:	Professore Ordinario
Anzianità nel ruolo:	01/11/2001
Sede Universitaria:	Università degli Studi di Napoli Federico II
Struttura di afferenza (dipartimento o altro):	Strutture per l'Ingegneria e l'Architettura

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri

Periodo	Fascia	Ateneo
06/06/1990	Ricercatore Universitario	Università degli Studi di Napoli Federico II
01/11/1998	Professore II Fascia	Università degli Studi di Napoli Federico II
01/11/2001	Professore I Fascia	Università degli Studi di Napoli Federico II

Ministero dell'Università e della Ricerca

Pubblicazioni scientifiche

1	2021	Articolo in rivista Vaiana, Nicoló, Capuano, Raffaele, Sessa, Salvatore, Marmo, Francesco, Rosati, Luciano (2021). Nonlinear Dynamic Analysis of Seismically Base-Isolated Structures by a Novel OpenSees Hysteretic Material Model. APPLIED SCIENCES, vol. 11, ISSN: 2076-3417, doi: 10.3390/app11030900
2	2021	Articolo in rivista Paradiso, Massimo, Sessa, Salvatore, Vaiana, Nicolò, Marmo, Francesco, Rosati, Luciano (2021). Shear Properties of Isotropic and Homogeneous Beam-Like Solids Having Arbitrary Cross Sections. INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, ISSN: 0020-7683, doi: 10.1016/j.ijsolstr.2021.01.012
3	2021	Articolo in rivista Nicolò Vaiana, Salvatore Sessa, Luciano Rosati (2021). A generalized class of uniaxial rate-independent models for simulating asymmetric mechanical hysteresis phenomena. MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol. 146, p. 106984-107009, ISSN: 0888-3270, doi: 10.1016/j.ymssp.2020.106984
4	2021	Contributo in volume (Capitolo o Saggio) Grazioso, Stanislao, Di Gironimo, Giuseppe, Rosati, Luciano, Siciliano, Bruno (2021). Modeling and Simulation of Hybrid Soft Robots Using Finite Element Methods: Brief Overview and Benefits. In: Advances in Robot Kinematics 2020. SPRINGER PROCEEDINGS IN ADVANCED ROBOTICS, vol. 15, p. 335-340, ISBN: 978-3-030-50974-3, ISSN: 2511-1256, doi: 10.1007/978-3-030-50975-0_41
5	2020	Articolo in rivista Francesco Marmo, Salvatore Sessa, Nicolò Vaiana, Daniela De Gregorio, Luciano Rosati (2020). Complete solutions of three-dimensional problems in transversely isotropic media. CONTINUUM MECHANICS AND THERMODYNAMICS, vol. 32, p. 775-802, ISSN: 0935-1175, doi: 10.1007/s00161-018-0733-8
6	2020	Articolo in rivista Pellecchia, Davide, Sessa, Salvatore, Vaiana, Nicolò, Rosati, Luciano (2020). Comparative Assessment on the Rocking Response of Seismically Base-Isolated Rigid Blocks. PROCEDIA STRUCTURAL INTEGRITY, vol. 29, p. 95-102, ISSN: 2452-3216, doi: 10.1016/j.prostr.2020.11.144
7	2020	Articolo in rivista Sessa S., Vaiana N., Paradiso M., Rosati L. (2020). An inverse identification strategy for the mechanical parameters of a phenomenological hysteretic constitutive model. MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol. 139, p. 1-16, ISSN: 0888-3270, doi: 10.1016/j.ymssp.2020.106622

8	2020	Articolo in rivista Paradiso, Massimo, Vaiana, Nicolò, Sessa, Salvatore, Marmo, Francesco, Rosati, Luciano (2020). A BEM approach to the evaluation of warping functions in the Saint Venant theory. ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol. 113, p. 359-371, ISSN: 0955-7997, doi: 10.1016/j.enganabound.2020.01.004
9	2020	Contributo in volume (Capitolo o Saggio) Lima C., Angiolilli M., Barbagallo F., Belletti B., Bergami A. V., Camata G., Cantagallo C., Mariano Di Domenico, Fiorentino G., Ghersi A., Gregori A., Lavorato D., Luciano R., Marino E. M., Martinelli E., Nuti C., Paolo Ricci, Luciano Rosati, Ruggieri S., Salvatore Sessa, Spacone E., Terrenzi M., Uva G., Vecchi F., Gerardo Mario Verderame (2020). Nonlinear Modeling Approaches for Existing Reinforced Concrete Buildings: The Case Study of De Gasperi-Battaglia School Building in Norcia. In: Lecture Notes in Civil Engineering. LECTURE NOTES IN CIVIL ENGINEERING, vol. 42, p. 82-95, Springer, ISBN: 978-3-030-23747-9, ISSN: 2366-2557, doi: 10.1007/978-3-030-23748-6_7
10	2020	Contributo in Atti di convegno Marmo F., Marmo M., Sessa S., Pagliano A., Rosati L. (2020). Thrust membrane analysis of the domes of the baia thermal baths. In: Lecture Notes in Mechanical Engineering. LECTURE NOTES IN MECHANICAL ENGINEERING, p. 1918-1927, Springer, ISBN: 978-3-030-41056-8, ISSN: 2195-4356, ita, 2019, doi: 10.1007/978-3-030-41057-5_154
11	2020	Contributo in Atti di convegno Vaiana, Nicolò, Marmo, Francesco, Sessa, Salvatore, Rosati, Luciano (2020). Modeling of the Hysteretic Behavior of Wire Rope Isolators Using a Novel Rate-Independent Model. In: Nonlinear Dynamics of Structures, Systems and Devices. p. 309-317, ISBN: 978-3-030-34712-3, doi: 10.1007/978-3-030-34713-0_31
12	2020	Contributo in Atti di convegno Vaiana N., Sessa S., Paradiso M., Marmo F., Rosati L. (2020). An efficient computational strategy for nonlinear time history analysis of seismically base-isolated structures. In: Lecture Notes in Mechanical Engineering. LECTURE NOTES IN MECHANICAL ENGINEERING, p. 1340-1353, Springer, ISBN: 978-3-030-41056-8, ISSN: 2195-4356, ita, 2019, doi: 10.1007/978-3-030-41057-5_108
13	2019	Articolo in rivista Salvatore Sessa, Francesco Marmo, VAIANA, NICOLO', Luciano Rosati (2019). A Computational Strategy for Eurocode 8-Compliant Analyses of Reinforced Concrete Structures by Seismic Envelopes. JOURNAL OF EARTHQUAKE ENGINEERING, p. 1-34, ISSN: 1363-2469, doi: 10.1080/13632469.2018.1551161
14	2019	Articolo in rivista Salvatore Sessa, Francesco Marmo, Nicolò Vaiana, Luciano Rosati (2019). Probabilistic assessment of axial force–biaxial bending capacity domains of reinforced concrete sections. MECCANICA, vol. 54, p. 1451-1469, ISSN: 1572-9648, doi: 10.1007/s11012-019-00979-4
15	2019	Articolo in rivista Vaiana N., Sessa S., Marmo F., Rosati L. (2019). Nonlinear dynamic analysis of hysteretic mechanical systems by combining a novel rate-independent model and an explicit time integration method. NONLINEAR DYNAMICS, ISSN: 0924-090X, doi: 10.1007/s11071-019-05022-5

16	2019	Articolo in rivista Salvatore Sessa, Francesco Marmo, Nicolò Vaiana, Daniela De Gregorio, Luciano Rosati (2019). Strength hierarchy provisions for transverse confinement systems of shell structural elements. COMPOSITES. PART B, ENGINEERING, vol. 163, p. 413-423, ISSN: 1359-8368, doi: 10.1016/j.compositesb.2019.01.018
17	2019	Articolo in rivista Marmo F., DEMARTINO, CRISTOFORO, Candela G., Sulpizio C., Briseghella B., Spagnuolo R., Xiao Y., Vanzi I., Rosati L. (2019). On the form of the Musmeci's bridge over the Basento river. ENGINEERING STRUCTURES, vol. 191, p. 658-673, ISSN: 0141-0296, doi: 10.1016/j.engstruct.2019.04.069
18	2019	Articolo in rivista Nicolo Vaiana, Salvatore Sessa, Francesco Marmo, Luciano Rosati (2019). An Accurate and Computationally Efficient Uniaxial Phenomenological Model for Steel and Fiber Reinforced Elastomeric Bearings. COMPOSITE STRUCTURES, vol. 211, p. 196-212, ISSN: 0263-8223, doi: 10.1016/j.compstruct.2018.12.017
19	2019	Contributo in Atti di convegno Vaiana N., Sessa S., Paradiso M., Rosati L. (2019). Accurate and efficient modeling of the hysteretic behavior of sliding bearings. In: COMPDYN Proceedings. vol. 3, p. 5291-5303, National Technical University of Athens, ISBN: 978-618828445-6, grc, 2019, doi: 10.7712/120119.7304.19506
20	2018	Articolo in rivista Salvatore Sessa, Francesco Marmo, Luciano Rosati, Leonardo Leonetti, Giovanni Garcea, Raffaele Casciaro (2018). Evaluation of the capacity surfaces of reinforced concrete sections: Eurocode versus a plasticity-based approach. MECCANICA, vol. 53, p. 1493-1512, ISSN: 1572-9648, doi: 10.1007/s11012-017-0791-1
21	2018	Articolo in rivista Paradiso, Massimo, Marmo, Francesco, Rosati, Luciano (2018). Consistent derivation of a beam model from the Saint Venant's solid model. INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, ISSN: 0020-7683, doi: 10.1016/j.ijsolstr.2018.09.021
22	2018	Articolo in rivista Marmo, Francesco, Ruggieri, Nicola, Toraldo, Ferdinando, Rosati, Luciano (2018). Historical study and static assessment of an innovative vaulting technique of the 19th century. INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, p. 1-21, ISSN: 1558-3058, doi: 10.1080/15583058.2018.1476607
23	2018	Articolo in rivista Nicolò Vaiana, Salvatore Sessa, Francesco Marmo, Luciano Rosati (2018). A class of uniaxial phenomenological models for simulating hysteretic phenomena in rate-independent mechanical systems and materials. NONLINEAR DYNAMICS, vol. 93, p. 1647-1669, ISSN: 0924-090X, doi: 10.1007/s11071-018-4282-2
24	2018	Articolo in rivista Giulio Zuccaro, Daniela De Gregorio, Magdalini Titirla, Mariano Modano, Luciano Rosati (2018). On the simulation of the seismic energy transmission mechanisms. Online first (www.ingegneria sismica.org). INGEGNERIA SISMICA, ISSN: 0393-1420

25	2018	Articolo in rivista Roberto Serpieri, Salvatore Sessa, Luciano Rosati (2018). A MITC-based procedure for the numerical integration of a continuum elastic-plastic theory of through-the-thickness-jacketed shell structures. COMPOSITE STRUCTURES, vol. 191, p. 209-220, ISSN: 0263-8223, doi: 10.1016/j.compstruct.2018.02.031
26	2018	Articolo in rivista Salvatore Trotta, Giulio Zuccaro, Salvatore Sessa, Francesco Marmo, Luciano Rosati (2018). On the evaluation of the Eshelby tensor for polyhedral inclusions of arbitrary shape. COMPOSITES. PART B, ENGINEERING, vol. 144, p. 267-281, ISSN: 1359-8368, doi: 10.1016/j.compositesb.2018.01.012
27	2018	Articolo in rivista Francesco Marmo, Daniele Masi, Luciano Rosati (2018). Thrust network analysis of masonry helical staircases.. INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol. 12, p. 828-848, ISSN: 1558-3058, doi: 10.1080/15583058.2017.1419313
28	2018	Contributo in Atti di convegno F. Marmo, L. Rosati (2018). Thrust Membrane Analysis of Masonry Vaults. In: 13th World Congress on Computational Mechanics.
29	2018	Contributo in Atti di convegno L. Rosati, F. Marmo (2018). Recent Advancements in the Thrust Network Analysis of Masonry Vaults and Staircases. In: C65 Tradition and Innovation, 65 Years and High Education in Civil Engineering in Transilvania.
30	2018	Contributo in Atti di convegno F. Marmo, D. Masi, L. Rosati (2018). Una retrospettiva dei metodi di analisi strutturale di scale in muratura. In: Proceedings of the VII Conference on History of Engineering (AISI2018).
31	2018	Contributo in Atti di convegno G. Garcea, D. Mangisano, F. Liguori, L. Leonetti, S. Sessa, F. Marmo, L. Rosati (2018). Limit analysis and ductility check of reinforced concrete 3D frames. In: Proceedings of the XXII GIMC - IX GMA Conference.
32	2018	Contributo in Atti di convegno N. Vaiana, F. Marmo, S. Sessa, L. Rosati (2018). A Novel Rate-Independent Model for Simulating Hysteresis Phenomena in Mechanical Systems and Materials. In: C65 Tradition and Innovation, 65 Years and High Education in Civil Engineering in Transilvania.
33	2018	Contributo in Atti di convegno F. Marmo, DEMARTINO, CRISTOFORO, C. Suplizio, G. Candela, B. Briseghella, R. Spagnuolo, Y. Xiao, I. Vanzi, L. Rosati (2018). Shape and structure in RC bridges: the Musmeci bridge.. In: (a cura di): Caitlin Mueller Sigrid Adriaenssens, Proceedings of the IASS Symposium 2018 Creativity in Structural Design.
34	2018	Contributo in Atti di convegno F. Marmo, L. Rosati (2018). Form finding of compressed shells by the Thrust Membrane Analysis. In: (a cura di): Caitlin Mueller Sigrid Adriaenssens, Proceedings of the IASS Symposium 2018 Creativity in Structural Design.

35	2018	Contributo in Atti di convegno N. Vaiana, F. Marmo, S. Sessa, L. Rosati (2018). An accurate and computationally efficient phenomenological model for rate-independent hysteretic mechanical systems and materials. In: Proceedings of the XXII GIMC - IX GMA Conference.
36	2017	Articolo in rivista SESSA, SALVATORE, SERPIERI, ROBERTO, ROSATI, LUCIANO (2017). A continuum theory of through–the–thickness jacketed shells for the elasto-plastic analysis of confined composite structures: Theory and numerical assessment. COMPOSITES. PART B, ENGINEERING, vol. 113, p. 225-242, ISSN: 1359-8368, doi: 10.1016/j.compositesb.2017.01.011
37	2017	Articolo in rivista Giulio Zuccaro, Salvatore Trotta, Salvatore Sessa, Francesco Marmo, Luciano Rosati (2017). Analytical solution of elastic fields induced by a 2D inclusion of arbitrary polygonal shape. PROCEDIA STRUCTURAL INTEGRITY, vol. 6, p. 236-243, ISSN: 2452-3216, doi: 10.1016/j.prostr.2017.11.036
38	2017	Articolo in rivista Marmo, Francesco, Toraldo, Ferdinando, Rosati, Alessandra, Rosati, Luciano (2017). Numerical solution of smooth and rough contact problems. MECCANICA, p. 1-26, ISSN: 0025-6455, doi: 10.1007/s11012-017-0766-2
39	2017	Articolo in rivista TROTTA, SALVATORE, MARMO, FRANCESCO, ROSATI, LUCIANO (2017). Evaluation of the Eshelby tensor for polygonal inclusions. COMPOSITES. PART B, ENGINEERING, vol. 115, p. 170-181, ISSN: 1359-8368, doi: 10.1016/j.compositesb.2016.10.018
40	2017	Articolo in rivista MARMO, FRANCESCO, ROSATI, LUCIANO (2017). Reformulation and extension of the thrust network analysis. COMPUTERS & STRUCTURES, vol. 182, p. 104-118, ISSN: 0045-7949, doi: 10.1016/j.compstruc.2016.11.016
41	2017	Articolo in rivista MARMO, FRANCESCO, TORALDO, FERDINANDO, ROSATI, LUCIANO (2017). Transversely isotropic half-spaces subject to surface pressures. INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, ISSN: 0020-7683, doi: 10.1016/j.ijsolstr.2016.11.001
42	2017	Contributo in volume (Capitolo o Saggio) Francesco Marmo, Daniele Masi, Daniele Mase, Luciano Rosati (2017). Thrust network analysis of masonry vaults. In: Mechanics of Masonry Construction. ISBN: 978-88-8317-155-0
43	2017	Contributo in Atti di convegno SESSA, SALVATORE, TORALDO, FERDINANDO, MARMO, FRANCESCO, MASI, DANIELE, ROSATI, LUCIANO (2017). Experimental assessment of carbon fiber jacketing of steel plates. In: Proceedings of the 6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. p. 4213-4223, Rodi (Grecia), 2017, doi: 10.7712/120117.5717.17566

44	2017	Contributo in Atti di convegno Salvatore Sessa, Roberto Serpieri, Luciano Rosati (2017). Probabilistic assessment of historical masonry walls retrofitted with through-The-Thickness confinement devices. In: AIMETA 2017 - Proceedings of the 23rd Conference of the Italian Association of Theoretical and Applied Mechanics. vol. 3, p. 2324-2332, ISBN: 9788894248470
45	2017	Contributo in Atti di convegno Francesco Marmo, Daniele Masi, Luciano Rosati (2017). Thrust Network Analysis of masonry helicoidal staircases. In: Proceedings of the XXIII Conference of the Italian Association of Theoretical and Applied Mechanics (AIMETA2017).
46	2017	Contributo in Atti di convegno Giulio Zuccaro, Salvatore Trotta, Salvatore Sessa, Francesco Marmo, Luciano Rosati (2017). Analytical expression of elastic fieds induced by a 2D inclusion of arbitrary polygonal shape. In: XXVII International Conference on Mathematical and Computer Simulations in Mechanics of Solids and Structures. Fundamentals of Static and Dynamic Fracture (MCM 2017).
47	2017	Contributo in Atti di convegno Salvatore Trotta, Francesco Marmo, Giulio Zuccaro, Luciano Rosati (2017). Analytical expression of the Eshelby tensor for polyhedral inclusions having arbitrary shape. In: 25th Annual International Conference on Composites or Nano Engineering (ICCE-25).
48	2017	Contributo in Atti di convegno Francesco Marmo, Daniele Masi, Salvatore Sessa, Ferdinando Toraldo, Luciano Rosati (2017). Thrust network analysis of masonry vaults subject to vertical and horizontal loads. In: 6th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN2017). vol. 1, p. 2227-2238
49	2017	Abstract in Atti di convegno Sessa Salvatore, Serpieri Roberto, Rosati Luciano (2017). Implementation and finite-element analysis of shell elements confined by Through-The-Thickness uniaxial devices. In: OPENSEES DAYS EUROPE 2017 - FIRST EUROPEAN CONFERENCE ON OPENSEES . p. 65-68, ISBN: 978-972-752-221-7
50	2016	Articolo in rivista MARMO, FRANCESCO, ROSATI, LUCIANO (2016). A General Approach to the Solution of Boussinesq's Problem for Polynomial Pressures Acting over Polygonal Domains. JOURNAL OF ELASTICITY, vol. 122, p. 75-112, ISSN: 0374-3535, doi: 10.1007/s10659-015-9534-5
51	2016	Articolo in rivista TROTTA, SALVATORE, MARMO, FRANCESCO, ROSATI, LUCIANO (2016). Analytical expression of the Eshelby tensor for arbitrary polygonal inclusions in two-dimensional elasticity. COMPOSITES. PART B, ENGINEERING, ISSN: 1359-8368, doi: 10.1016/j.compositesb.2016.09.010

52	2016	Articolo in rivista MARMO, FRANCESCO, TORALDO, FERDINANDO, ROSATI, LUCIANO (2016). Analytical formulas and design charts for transversely isotropic half-spaces subject to linearly distributed pressures. MECCANICA, p. 1-20, ISSN: 0025-6455, doi: 10.1007/s11012-016-0443-x
53	2016	Articolo in rivista MARMO, FRANCESCO, SESSA, SALVATORE, ROSATI, LUCIANO (2016). Analytical Solution of the Cerruti Problem Under Linearly Distributed Horizontal Loads over Polygonal Domains. JOURNAL OF ELASTICITY, vol. 124, p. 27-56, ISSN: 0374-3535, doi: 10.1007/s10659-015-9560-3
54	2016	Contributo in volume (Capitolo o Saggio) SERPIERI, ROBERTO, Corte, Alessandro Della, TRAVASCIO, FRANCESCO, ROSATI, LUCIANO (2016). Variational theories of two-phase continuum poroelastic mixtures: A short survey. In: Generalized Continua as Models for Classical and Advanced Materials. ADVANCED STRUCTURED MATERIALS, vol. 42, p. 377-394, ISSN: 1869-8433, doi: 10.1007/978-3-319-31721-2_17
55	2016	Abstract in Atti di convegno Trotta S., Marmo F., Rosati L. (2016). Evaluation of the Eshelby's tensor for polygonal inclusions. In: Proceedings of the 2016 International Workshop on Multiscale Innovative Materials and Structures (MIMS16), Cetara (Amalfi Coast), Oct. 28-30, 2016.
56	2016	Abstract in Atti di convegno Leonetti Leonardo, Sessa Salvatore, Marmo Francesco, Garcea Giovanni, Rosati Luciano (2016). Can limit analysis be used to assess strength of RC frames?. In: GIMC-GMA 2016:XXI Convegno Italiano di Meccanica Computazionale e VIII Riunione del Gruppo Materiali AIMETA, Lucca 27-29 giugno 2016 – Scuola IMT Alti Studi Lucca: ATTI DEL CONVEGNO.
57	2016	Abstract in Atti di convegno Marmo Francesco, Sessa Salvatore, Toraldo Ferdinando, Rosati Luciano (2016). A new semi-analytical approach to smooth and adhesive contact problems. In: GIMC-GMA 2016:XXI Convegno Italiano di Meccanica Computazionale e VIII Riunione del Gruppo Materiali AIMETA, Lucca 27-29 giugno 2016 – Scuola IMT Alti Studi Lucca: ATTI DEL CONVEGNO.
58	2015	Articolo in rivista MARMO, FRANCESCO, ROSATI, LUCIANO (2015). Automatic cross-section classification and collapse load evaluation for steel/aluminum thin-walled sections of arbitrary shape. ENGINEERING STRUCTURES, vol. 100, p. 57-65, ISSN: 0141-0296, doi: 10.1016/j.engstruct.2015.05.037
59	2015	Articolo in rivista SERPIERI, ROBERTO, TRAVASCIO, FRANCESCO, Asfour, Shihab, ROSATI, LUCIANO (2015). Variationally consistent derivation of the stress partitioning law in saturated porous media. INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol. 56, p. 235-247, ISSN: 0020-7683, doi: 10.1016/j.ijsolstr.2014.10.033

60	2015	Articolo in rivista SESSA, SALVATORE, MARMO, FRANCESCO, ROSATI, LUCIANO (2015). Effective use of seismic response envelopes for reinforced concrete structures. EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol. 44, p. 2401-2423, ISSN: 0098-8847, doi: 10.1002/eqe.2587
61	2015	Abstract in Atti di convegno Marmo Francesco, Sessa Salvatore, Rosati Luciano (2015). Analytical evaluation of the elastic states under foundations subject to distributed loads. In: AIMETA 2015: Atti del 22. Congresso nazionale dell'Associazione italiana di meccanica teorica ed applicata : Genova 14-17 settembre 2015, Sede Architettura - Scuola Politecnica, Università di Genova.
62	2014	Articolo in rivista ROSATI, LUCIANO, MARMO, FRANCESCO (2014). Closed-form expressions of the thermo-mechanical fields induced by a uniform heat source acting over an isotropic half-space. INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol. 75, p. 272-283, ISSN: 0017-9310, doi: 10.1016/j.ijheatmasstransfer.2014.03.069
63	2014	Abstract in Atti di convegno Marmo Francesco, Rosati Luciano (2014). Analytical evaluation of displacement and stress fields induced in elastic half-spaces by linear distribution of pressure on the surface. In: Elio Sacco, Sonia Marfia.
64	2013	Articolo in rivista SERPIERI, ROBERTO, ROSATI, LUCIANO (2013). A Frame-Independent Solution to Saint-Venant's Flexure Problem. JOURNAL OF ELASTICITY, vol. 116, p. 161-187, ISSN: 0374-3535, doi: 10.1007/s10659-013-9460-3
65	2013	Articolo in rivista MARMO, FRANCESCO, ROSATI, LUCIANO (2013). The fiber-free approach in the evaluation of the tangent stiffness matrix for elastoplastic uniaxial constitutive laws. INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, vol. 94, p. 868-894, ISSN: 0029-5981, doi: 10.1002/nme.4484
66	2013	Contributo in Atti di convegno F. Marmo, L. Rosati (2013). On the solution of a thermo-mechanical contact problem for isotropic elastic half-spaces. In: XX AIMETA Conference.
67	2012	Articolo in rivista MARMO, FRANCESCO, ROSATI, LUCIANO (2012). Analytical integration of elasto-plastic uniaxial constitutive laws over arbitrary sections. INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, vol. 91, p. 990-1022, ISSN: 0029-5981, doi: 10.1002/nme.4316
68	2012	Contributo in Atti di convegno MARMO, FRANCESCO, ROSATI, LUCIANO (2012). An improved flexibility-based nonlinear frame element endowed with the fiber-free formulation. In: 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS).

69	2012	Contributo in Atti di convegno F. Marmo, L. Rosati (2012). Fiber vs fiber-free nonlinear frame elements: an investigation on numerical integration schemes. In: OpenSeesDays - La modellazione, il calcolo e l'analisi delle strutture in zona sismica.
70	2012	Contributo in Atti di convegno F. Marmo, L. Rosati (2012). Integration schemes in stiffness- and flexibility-based frame elements. In: Proceedings of XIX GIMC Conference.
71	2011	Articolo in rivista SERPIERI, ROBERTO, ROSATI, LUCIANO (2011). Formulation of a finite deformation model for the dynamic response of open cell biphasic media. JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS, vol. 59, p. 841-862, ISSN: 0022-5096, doi: 10.1016/j.jmps.2010.12.016
72	2011	Articolo in rivista MARMO, FRANCESCO, R. Serpieri, ROSATI, LUCIANO (2011). Ultimate strength analysis of prestressed reinforced concrete sections under biaxial bending. COMPUTERS & STRUCTURES, vol. 89, p. 91-108, ISSN: 0045-7949, doi: 10.1016/j.compstruc.2010.08.005
73	2011	Contributo in Atti di convegno F. Marmo, L. Rosati (2011). Investigation on the properties of the numerical integration schemes for displacement-based nonlinear beam elements. In: XX AIMETA Conference. p. 48-60, ISBN: 9788890634017, Bologna, 12-15 settembre 2011
74	2010	Contributo in Atti di convegno MARMO, FRANCESCO, VALOROSO, NUNZIANTE, ROSATI, LUCIANO (2010). Application of the fiber-free approach to nonlinear structural models: Some preliminary results. In: XVIII GIMC Conference. p. ID-20, ISBN: 9788890521706, Siracusa, 22-24 Settembre 2010
75	2010	Contributo in Atti di convegno F. Marmo, N. Valoroso, L. Rosati (2010). Application of the fiber-free approach to nonlinear structural models: Some preliminary results. In: XVIII GIMC Conference.
76	2009	Articolo in rivista N. Valoroso, L. Rosati (2009). Consistent derivation of the constitutive algorithm for plane stress isotropic plasticity. Part II: Computational issues. INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol. 46, p. 92-124, ISSN: 0020-7683, doi: 10.1016/j.ijsolstr.2008.08.021
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- 1993 - RP titled 'Analysis of structural models with damage', funded by C.N.R. .
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- 1998 - Research project titled 'Retrofitting of the mechanical behaviour of monumental constructions', funded by C.N.R. (National Research Council).
  dal 01-01-1950 a oggi
- 2001 - Research project titled 'Modelling and analysis of adhesively bonded structural joints', jointly funded by MIUR and the French 'Ministère des Affaires Etrangères' (France Foreign Office) within the framework of the program 'Galileo'
  dal 01-01-1950 a oggi
- 13) PON GOVERNANCE - CAESAR II-Controllare, mitigare e gestire l'Emergenza Sismica: Analisi costi-benefici e multi-criterio di scenari di impatto per la Riduzione del Rischio e l'incremento della Resilienza - Cup: J76E18000110006. € 119.600. 25 mesi
  dal 03-05-2018 al 30-06-2020

Direzione o partecipazione a comitati editoriali di riviste, collane editoriali, enciclopedie e trattati di riconosciuto prestigio

- special issue on stochastics and probability in engineering mechanics
  Meccanica vol. 54, issue 9
  dal 26-03-2018 al 01-07-2019

Ministero dell'Università e della Ricerca

Incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali

- "Advanced topics in nonlinear analysis of reinforced concrete structures" tenuto nell'ambito della manifestazione "C65 Traditie si inovare - 65 de ani de construcjii in Transilvania" presso la Technical University of Cluj-Napoca (TUCN), Cluj-Napoca, Romania.
  dal 01-01-1950 a oggi
- Corso MODELLI, METODI di CALCOLO e PROCEDURE di VALIDAZIONE nell'ANALISI NON LINEARE delle STRUTTURE secondo GLI EUROCODICI tenuto dal 30 al 31 ottobre 2014 presso il CISM, International Centre for Mechanical Science. Udine.
  dal 01-01-1950 a oggi
- Organizzazione e docente del corso "Modelli, Metodi di Calcolo e Indicazioni Normative nell'Analisi Non Lineare delle Strutture" presso il CISM, International Centre for Mechanical Science. Udine.
  dal 27-10-2016 al 28-10-2016
  dal 01-01-1950 a oggi

Altri titoli che contribuiscano a una migliore definizione del profilo scientifico

- Two-months NATO-CNR grant for research activity at the Imperial College in London. Department of Aeronautics. Supervisor: prof. Mike Crisfield. Topic: development and implementation of finite element models for large strain elastoplasticity.
  dal 01-01-1950 a oggi