

Pubblicazioni su rivista internazionale ISI-Scopus

1. Dalle Mura, Francesco; Furferi, Rocco; Governi, Lapo (2026). Study and quantitative characterisation of 3D printed costal cartilages for highly realistic clinical simulators. *RAPID PROTOTYPING JOURNAL*, 32(11), pp. 114–128. **Q1 in Mechanical Engineering**
2. Servi, Michaela; Magherini, Roberto; Governi, Lapo; Volpe, Yary; Furferi, Rocco (2026). DirectPart: Direct 3D part segmentation via multi-view SAM3. *ARRAY*, 2026, 31, 101159. **Q1 in Computer Science**
3. Mencarelli, Marta; Puggelli, Luca; Virga, Antonio; Furferi, Rocco; Volpe, Yary (2026). Characterization of soft tissue-mimicking materials for ultrasound training phantoms. *JOURNAL OF MATERIALS SCIENCE. MATERIALS IN MEDICINE*, vol. 37, pp. 0-0, ISSN:1573-4838. **Q1 in Biophysics**
4. Torzini, Lorenzo; Puggelli, Luca; Governi, Lapo; Buonamici, Francesco; Furferi, Rocco; Volpe, Yary (2026). 3D-printed soft pneumatic actuators: Influence of geometric design and operating conditions on bending angle and force output. *JOURNAL OF ADVANCED MANUFACTURING SCIENCE AND TECHNOLOGY*, vol. 6, pp. 0-0, ISSN:2709-2135. **Q1 in Mechanical Engineering**
5. Furferi R, Governi L, Volpe Y, Servi M and Buonamici F (2026) From pictorial space to tactile form: a comparative evaluation of AI-based 2.5D reconstruction from modern artwork paintings. *FRONTIERS IN COMPUTER SCIENCE* 8:1821454. doi: 10.3389/fcomp.2026.1821454 **Q2 in Computer Vision and Pattern Recognition**
6. Buonamici, Francesco; Furferi, Rocco; Carfagni, Monica; Tapinassi, David; Volpe, Yary (2026). Supportless overhanging structures via piezoelectric droplet-based material extrusion. *FRONTIERS IN MECHANICAL ENGINEERING*, Vol 12, 2026, ISSN 2297-3079. **Q2 in Mechanical Engineering**
7. Furferi, Rocco; Profili, Andrea; Carfagni, Monica; Governi, Lapo (2026). Towards Scalable Production of Liquid Crystal Elastomers: A Low-Cost Automated Manufacturing Framework. *DESIGNS*, vol. 10, pp. 0-0, ISSN:2411-9660. **Q2 in Mechanical Engineering**
8. Furferi, Rocco (2026). Computer-Aided Design in Mechanical Engineering: Insights and Future Directions from a Special Issue. *APPLIED SCIENCES*, vol. 16, pp. 0-0, ISSN:2076-3417 **Q2 in Mechanical Engineering**
9. Buonamici, Francesco; Governi, Lapo; Volpe, Yary; Carfagni, Monica; Furferi, Rocco (2026). From Casting to Printing: Rheological Modification of General-Purpose RTV-2 Silicones for Material Extrusion. *APPLIED SCIENCES*, vol. 16, pp. 0-0, ISSN:2076-3417. **Q2 in Engineering**
10. Luca Di Angelo, Paolo Di Stefano, Rocco Furferi, Lapo Governi, Emanuele Guardiani (2025). Computer-based method to digitally reconstruct axially symmetric fragmented heritage: the case of a medieval bell. *NPJ HERITAGE SCIENCE*, vol. 13, ISSN:3059-3220 **Q1 in Conservation**
11. Furferi, Rocco (2025). Advancing Circular Economy Practices Using AI-Powered Colour Classification of Textile Fabrics: Overview and Roadmap, *TEXTILES*, vol. 2025, 5(4), 53, ISSN: 2673-7248. **Q1 in Industrial and Manufacturing Engineering**
12. Furferi, Rocco (2025). Deep Learning Approaches for 3D Model Generation from 2D Artworks to Aid Blind People with Tactile Exploration. *HERITAGE*, vol. 8, ISSN:2571-9408 **Q1 in Conservation**
13. Furferi, Rocco; (2025). Tolerance analysis methods for the application of ISO AND ASME GD&T to mechanical component: 2D and 3D case studies. *JOURNAL OF ADVANCED MANUFACTURING SCIENCE AND TECHNOLOGY*, vol. 5(3): 2025020, ISSN:2709-2135 **Q1 in Mechanical Engineering**
14. Dalle Mura, Francesco; Furferi, Rocco; Governi, Lapo (2025). Design and development of a digital image correlation scanner for burn scar pliability evaluation. *DISCOVER MECHANICAL ENGINEERING*, vol. 4, ISSN:2731-6564 **Q2 in Engineering**
15. Furferi, Rocco (2025). Integrating Geometric Dimensioning and Tolerancing with Additive Manufacturing: A Perspective. *APPLIED SCIENCES*, vol. 2025, ISSN:2076-3417. **Q2 in Engineering**
16. Magherini, Roberto; Servi, Michaela; Profili, Andrea; Spezia, Fabrizio; Furferi, Rocco; Volpe, Yary (2025). Automated defect detection in ultrasound probes using patch-based machine learning algorithm. *PRODUCTION ENGINEERING*, ISSN:0944-6524 **Q2 in Mechanical Engineering**

17. Lorenzo Fiorineschi, Rocco Furferi, Marco Melani, Federico Rotini (2025) Does the Patent Classification Help Creativity in Generating New Product Applications? Some Preliminary Answers, *COMPUTER AIDED DESIGN AND APPLICATIONS*, 22(4), 566-585, doi: 10.14733/cadaps.2025.566-585. **Q3** in *Computer Graphics and Computer Aided Design*
18. Luca Puggelli, Marta Mencarelli, Paola Serio, Rocco Furferi, Francesca Amoretti, Yary Volpe (2024). Development, implementation, and evaluation of a 3D-printed high-fidelity pediatric mannequin with expected hard-to-intubate airway. *ENGINEERING REPORTS*. **Q2** in *Engineering*
19. Servi, Michaela; Profili, Andrea; Furferi, Rocco; Volpe, Yary (2024). Comparative Evaluation of Intel RealSense D415, D435i, D455, and Microsoft Azure Kinect DK Sensors for 3D Vision Applications. *IEEE ACCESS*, vol. 12, pp. 111311-111321, ISSN:2169-3536 **Q1** in *Engineering*
20. Furferi, Rocco; Colombini, Maria Perla; Seymour, Kate; Pelagotti, Anna; Gherardini, Francesco (2024). The Future of Heritage Science and Technologies: Papers from Florence Heri-Tech 2022. *HERITAGE SCIENCE*, vol. 12, ISSN:2050-7445. **Q1** in *Archeology, Conservation*
21. Mencarelli, Marta; Puggelli, Luca; Virga, Antonio; Furferi, Rocco; Volpe, Yary (2024). Acoustic velocity and stability of tissue-mimicking echogenic materials for ultrasound training phantoms. *JOURNAL OF MATERIALS SCIENCE*, vol. 2024, ISSN:0022-2461. **Q1** in *Mechanical Engineering*
22. Furferi, Rocco; Di Angelo, Luca; Bertini, Marco; Mazzanti, Paolo; De Vecchis, Kevin; Biffi, Marco (2024). Enhancing traditional museum fruition: current state and emerging tendencies. *HERITAGE SCIENCE*, vol. 12, ISSN:2050-7445. **Q1** in *Archeology, Conservation* – **CLASSE B (ECCELLENTE) VQR 2020-2024**
23. Michaela Servi; Roberto Magherini; Francesco Buonamici; Yary Volpe; Rocco Furferi; (2024). Integration of artificial intelligence and augmented reality for assisted detection of textile defects. *JOURNAL OF ENGINEERED FIBERS AND FABRICS*, vol. 2024(19), ISSN:1558-9250. **Q1** in *Material Science, Textile*
24. Servi, Michaela; Magherini, Roberto; Volpe, Yary; Furferi, Rocco (2024). An automatic procedure for modelling patient-specific wrist orthosis. *ANNALS OF 3D PRINTED MEDICINE*, vol. 15, ISSN:2666-9641 **Q3** in *Biomedical Engineering*
25. Elisa Mussi, Michaela Servi, Flavio Facchini, Rocco Furferi, Yary Volpe (2023). Assessment and treatment of pectus deformities: a review of reverse engineering and 3D printing techniques. *RAPID PROTOTYPING JOURNAL*, pp. 1-14, ISSN:1355-2546. **Q1** in *Mechanical Engineering*
26. Rocco Furferi, Francesco Buonamici (2023). The Role of Product Engineering Modelling in Aesthetic Design Education. *DESIGNS*, Vol. 7(6), 127, ISSN: 2411-9660 **Q2** in *Mechanical Engineering*
27. Francesco Buonamici , Enrico Meli , Nicola Secciani , Alessandro Ridolfi , Andrea Rindi , Rocco Furferi (2023). Topology Optimization of Static Turbomachinery Components. *MANUFACTURING TECHNOLOGY*, vol. 23, pp. 1-15, ISSN:1213-2489 **Q3** in *Industrial and Manufacturing Engineering*
28. Busato, Angela; Servi, Michaela; Volpe, Yary; Furferi, Rocco; Scorianz, Maurizio (2023). Precise: A web-based 3D visualization and manipulation application for surgical planning of tumour resection. *SOFTWAREX*, vol. 22, ISSN:2352-7110 **Q2** in *Computer Science Applications*
29. Marco Melani, Rocco Furferi, Federico Rotini, Luca Barbieri (2023). End of life of mosquito nets: searching for alternative uses through patent classification. *FRONTIERS IN MANUFACTURING TECHNOLOGY*, ISSN:2813-0359
30. Rocco Furferi, A step-by-step method for predicting the spectrophotometric response of a carded fabric composed by differently colored raw materials (2023) *METHODSX*, art. no. 101943.0, ISSN 2215-0161. **Q2** in *Medical Laboratory Technology*
31. Puggelli, Luca; Furferi, Rocco; Volpe, Yary (2023). Interactive mold design for paediatric lower airway manikin manufacturing: a feasibility study. *INTERNATIONAL JOURNAL ON INTERACTIVE DESIGN AND MANUFACTURING*, ISSN:1955-2513 **Q2** in *Industrial and Manufacturing Engineering*
32. Furferi, Rocco; Servi, Michaela (2023). A Machine Vision-Based Algorithm for Color Classification of Recycled Wool Fabrics. *APPLIED SCIENCES*, vol. 13, pp. 1-15, ISSN:2076-3417 **Q2** in *Engineering (Miscellaneous)*
33. Francesco Dalle Mura, Furferi Rocco, Governi Lapo, Puggelli Luca (2023). Application of a Computational Method Based on 3D Scans for Burn Scar Topology Characterisation. *COMPUTER-AIDED DESIGN AND APPLICATIONS* 20:(2023), pp. 37-49, ISSN 1686-4360 **Q3** in *Computer Graphics and Computer Aided Design*

34. Luca Di Angelo, Rocco Furferi, Francesco Gherardini, Emanuele Guardiani (2022), The integration of morphological design and topology optimization to enhance the visual quality of electricity pylons. *FRONTIERS IN MECHANICAL ENGINEERING*, Vol. 8, ISSN=2297-3079. **Q2 in Industrial and Manufacturing Engineering e in Mechanical Engineering (ISI)**
35. Francesco Dalle Mura, Lapo Governi, Rocco Furferi, Marta Cervo, Luca Puggelli (2022). Towards the Development of a Device for Assessing the Pliability of Burn Scars. *FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY*, vol. 10, pp. 1-13, ISSN:2296-4185 **Q1 in Biomedical Engineering**
36. Uccheddu F.; Furferi R.; Governi L.; Carfagni M. (2022). RGB-D-based method for measuring the angular range of hip and knee joints during home care rehabilitation. *SENSORS*, vol. 22, pp. 184-198, ISSN:1424-8220 **Q1 in Instrumentation**
37. Carrabba Nazario, Buonamici Francesco, Furferi Rocco, Carfagni Monica, Vannini Matteo, Valenti Renato, Cerillo Alfredo Giuseppe, Marchionni Niccolò, Stefano Pierluigi (2022). Case Report: Three-Dimensional Printing Model for Surgical Planning of Left Ventricular Aneurysm: Evolution Toward Tailoring Surgery. *FRONTIERS IN CARDIOVASCULAR MEDICINE*, vol. 9, pp. 1-6, ISSN:2297-055X **Q1 in Cardiology and Cardiovascular Medicine**
38. Lorenzo Guariento, Francesco Buonamici, Antonio Marzola, Rocco Furferi, Yary Volpe (2022). A Semi-Automatic CAD Procedure to Design Custom-made Surgical Cutting Guides. *COMPUTER-AIDED DESIGN AND APPLICATIONS*, vol. 19, pp. 733-740, ISSN:1686-4360 **Q3 in Computer Graphics and Computer Aided Design**
39. Rocco Furferi, Yary Volpe, Franco Mantellassi (2022). Circular Economy Guidelines for the Textile Industry. *SUSTAINABILITY*, vol. 14, ISSN:2071-1050 **Q1 in Geography, Planning and Development**
40. Roberto Magherini, Elisa Mussi, Yary Volpe, Rocco Furferi, Francesco Buonamici, Michaela Servi (2022). Machine Learning for Renal Pathologies: An Updated Survey. *SENSORS*, vol. 22, pp. 1-12, ISSN:1424-8220 **Q1 in Instrumentation**
41. Rocco Furferi, Lapo Governi, Enrico Pinzauti, Andrea Profili, Luca Puggelli, Yary Volpe (2022). A computational method for the investigation of burn scars topology based on 3D optical scan. *COMPUTERS IN BIOLOGY AND MEDICINE*, vol. 149, pp. 1-15, ISSN:0010-4825 **Q1 in Computer Science Applications**
42. Elisa Mussi, Michaela Servi, Flavio Facchini, Yary Volpe, Rocco Furferi (2021). A rapid prototyping approach for custom training of autologous ear reconstruction. *INTERNATIONAL JOURNAL ON INTERACTIVE DESIGN AND MANUFACTURING*, Volume 15, Issue 4, Pages 577 – 585, ISSN 1955-2513, DOI: 10.1007/s12008-021-00782-0 **Q2 in Industrial and Manufacturing Engineering**
43. Antonio Marzola, Francesco Buonamici, Rocco Furferi, Lapo Governi, Lorenzo Genitori, Federico Mussa (2021). Additive Manufacturing and Reverse Engineering in Cranioplasty: A Personalized Approach to Minimize Skin Flap Complications. *APPLIED SCIENCES*, vol. 11, pp. 1-16, ISSN:2076-3417 **Q2 in Engineering (Miscellaneous)**
44. Rocco Furferi, Walter Sabattini (2021). Development of a process based on coagulation of polyurethane in aqueous solution for manufacturing leather-like products, *MANUFACTURING TECHNOLOGY*, Vol. 21, Issue 3, ISSN 1213-2489. **Q3 in Industrial and Manufacturing Engineering**
45. Rocco Furferi (2021). Special Issue on Innovative Textiles in the Era of Circular Economy. *APPLIED SCIENCES*, vol. 11, pp. 1-4, ISSN:2076-3417 **Q2 in Engineering (Miscellaneous)**
46. Michaela Servi, Elisa Mussi, Andrea Profili, Rocco Furferi, Yary Volpe, Lapo Governi, Francesco Buonamici (2021). Metrological Characterization and Comparison of D415, D455, L515 RealSense Devices in the Close Range. *SENSORS*, vol. 21, p. 1-20, ISSN: 1424-8220, doi: 10.3390/s21227770 **Q1 in Instrumentation – CLASSE B (ECCELLENTE) VQR 2020-2024**
47. Elisa Mussi, Michaela Servi, Flavio Facchini, Rocco Furferi, Lapo Governi, Yary Volpe (2021). A novel ear elements segmentation algorithm on depth map images. *COMPUTERS IN BIOLOGY AND MEDICINE*, vol. Volume 129, pp. 1-12, ISSN:0010-4825 **Q1 in Computer Science Applications – CLASSE B (ECCELLENTE) VQR 2020-2024**
48. Michaela Servi, Andrea Zulli, Yary Volpe, Rocco Furferi, Luca Puggelli, Antonio Messineo, Marco Ghionzoli, Flavio Facchini (2021). Handheld Optical System for Pectus Excavatum Assessment. *APPLIED SCIENCES*, vol. 11, pp. 1-12, ISSN:1454-5101 **Q2 in Engineering (Miscellaneous)**
49. Francesco Buonamici, Monica Carfagni, Rocco Furferi, Yary Volpe, Lapo Governi (2021). Reverse engineering by CAD template fitting: study of a fast and robust template fitting strategy. *ENGINEERING WITH COMPUTERS*, vol. 37, pp. 2803-2821, ISSN:0177-0667. **Q1 in Modelling and simulation CLASSE B (ECCELLENTE) VQR 2020-2024**

50. Remi Curti, Bertrand Marcon, Louis Denaud, Marco Togni, Rocco Furferi, Giacomo Goli (2021). Generalized cutting force model for peripheral milling of wood, based on the effect of density, uncut chip cross section, grain orientation and tool helix angle. *EUROPEAN JOURNAL OF WOOD AND WOOD PRODUCTS*, 79(3), pp. 667–678, ISSN:1436-736X **Q1** in *Forestry*
51. Michaela Servi, Elisa Mussi, Riccardo Coletta, Antonino Morabito, Adrian Bianchi, Rocco Furferi, Yary Volpe (2021). How to best predict short bowel syndrome outcome with machine learning approaches?. *COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE UPDATE*, vol. 1, p. 1-6, ISSN: 2666-9900, doi: 10.1016/j.cmpbup.2021.100016. **Q1** in *Computer Science*
52. Francesco Buonamici, Monica Carfagni, Rocco Furferi, Simone Lazzeri, Michaela Servi, Emiliano Talanti, Yary Volpe (2020). Automatic CAD Modeling of Ventilation Holes for 3D Printed Wrist Orthoses. *COMPUTER-AIDED DESIGN AND APPLICATIONS*, vol. 17, pp. 325-336, ISSN:1686-4360 **Q3** in *Computer Graphics and Computer Aided Design*
53. Antonio Marzola, Lapo Governi, Lorenzo Genitori, Federico Mussa, Yary Volpe, Rocco Furferi (2020). A Semi-Automatic Hybrid Approach for Defective Skulls Reconstruction. *COMPUTER-AIDED DESIGN AND APPLICATIONS*, vol. 17, pp. 190-204, ISSN:1686-4360 **Q3** in *Computer Graphics and Computer Aided Design*
54. Francesco Buonamici, Rocco Furferi, Lapo Governi, Simone Lazzeri, Kathleen S. McGreevy, Michaela Servi, Emiliano Talanti, Francesca Uccheddu, Yary Volpe (2020). A practical methodology for computer-aided design of custom 3D printable casts for wrist fractures. *THE VISUAL COMPUTER*, vol. 36, pp. 375-390, ISSN:0178-2789, Springer Verlag. **Q2** in *Computer Science and Software Engineering (ISI)* - **Q3** in *Computer Graphics and Computer Aided Design*
55. Francesco Buonamici, Monica Carfagni, Rocco Furferi, Yary Volpe, Lapo Governi (2020). Generative Design: An Explorative Study. *COMPUTER-AIDED DESIGN AND APPLICATIONS*, vol. 18, pp. 144-155, ISSN:1686-4360. **Q3** in *Computer Graphics and Computer Aided Design*
56. Rocco Furferi, Yary Volpe, Franco Mantellassi (2020). Design and manufacturing of an innovative triple-layer thermo-insulated fabric. *APPLIED SCIENCES*, vol. 10, pp. 1-15, ISSN:2076-3417. **Q2** in *Engineering (Miscellaneous)*
57. Elisa Mussi, Federico Mussa, Chiara Santarelli, Mirko Scagnet, Francesca Uccheddu, Rocco Furferi, Yary Volpe, Lorenzo Genitori (2020). Current Practice in Preoperative Virtual and Physical Simulation in Neurosurgery. *BIOENGINEERING*, vol. 7, pp. 1-14, ISSN:2306-5354. **Q2** in *Bioengineering*
58. Antonio Marzola, Carlo Robilotta, Yary Volpe, Lapo Governi, Rocco Furferi (2020). Statistical Shape Model: comparison between ICP and CPD algorithms on medical applications. *INTERNATIONAL JOURNAL ON INTERACTIVE DESIGN AND MANUFACTURING*, vol. online first, pp. 1-4, ISSN:1955-2513. **Q2** in *Industrial and Manufacturing Engineering*
59. Francesca Uccheddu, Lapo Governi, Rocco Furferi, Monica Carfagni (2020). Home physiotherapy rehabilitation based on RGB-D sensors: a hybrid approach to the joints angular range of motion estimation. *INTERNATIONAL JOURNAL ON INTERACTIVE DESIGN AND MANUFACTURING*, vol. online first, pp. 1-12, ISSN:1955-2513. **Q2** in *Industrial and Manufacturing Engineering*
60. Monica Carfagni, Lorenzo Fiorineschi, Rocco Furferi, Lapo Governi, Federico Rotini (2020). Usefulness of prototypes in conceptual design: students' view. *INTERNATIONAL JOURNAL ON INTERACTIVE DESIGN AND MANUFACTURING*, vol. 14, pp. 1305-1319, ISSN:1955-2513. **Q2** in *Industrial and Manufacturing Engineering*
61. Enrico Meli, Rocco Furferi, Andrea Rindi, Alessandro Ridolfi, Yary Volpe, Francesco Buonamici (2020). A General Framework for Designing 3D Impellers Using Topology Optimization and Additive Manufacturing. *IEEE ACCESS*, vol. 8, pp. 60259-60269, ISSN:2169-3536. **Q1** in *Engineering (Miscellaneous)*
62. Francesco Buonamici, Rocco Furferi, Lapo Governi, Antonio Marzola, Yary Volpe (2020). Scene Acquisition with Multiple 2D and 3D Optical Sensors: A PSO-Based Visibility Optimization. *SENSORS*, vol. 20, pp. 1-23, ISSN:1424-8220. **Q1** in *Instrumentation*
63. Michaela Servi, Francesco Buonamici, Rocco Furferi, Lapo Governi, Francesca Uccheddu, Yary Volpe, Stella Leng, Flavio Facchini, Marco Ghionzoli, Antonio Messineo (2019). Pectus Carinatum: a non-invasive and objective measurement of severity. *MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING*, vol. 57, pp. 1727-1735, ISSN:1741-0444. **Q2** in *Biomedical Engineering*
64. Enrico Boccini, Rocco Furferi, Lapo Governi, Enrico Meli, Alessandro Ridolfi, Andrea Rindi, Yary Volpe (2019). Toward the integration of lattice structure-based topology optimization and Additive Manufacturing for the design

- of turbomachinery components. *ADVANCES IN MECHANICAL ENGINEERING*, vol. 11, pp. 1-14, ISSN:1687-8140. **Q3 in Mechanical Engineering**
65. Stella Leng, Kejd Bici, Flavio Facchini, Yary Volpe, Francesca Uccheddu, Rocco Furferi, Lapo Governi, Monica Carfagni, Marco Ghionzoli, Antonio Messineo (2019). Customized cutting template to assist sternotomy in pectus arcuaturn. *ANNALS OF THORACIC SURGERY*, vol. 107, pp. 1253-1258, ISSN:0003-4975. **Q1 in Surgery – CLASSE A VQR 2015-2019**
 66. Elisa Mussi, Rocco Furferi, Yary Volpe, Flavio Facchini, Kathleen S. McGreevy, Francesca Uccheddu (2019). Ear Reconstruction Simulation: From Handcrafting to 3D Printing. *BIOENGINEERING*, vol. 6, pp. 1-19, ISSN:2306-5354. **Q2 in Bioengineering**
 67. Monica Carfagni, Rocco Furferi, Lapo Governi, Chiara Santarelli, Michaela Servi, Francesca Uccheddu, Yary Volpe (2019). Metrological and Critical Characterization of the Intel D415 Stereo Depth Camera. *SENSORS*, vol. 19, pp. 1-20, ISSN:1424-8220. **Q1 in Instrumentation - CLASSE A VQR 2015-2019**
 68. Enrico Meli, Andrea Rindi, Rocco Furferi, Francesco Buonamici, Alessandro Ridolfi, Simone Corbò, Giuseppe Iurisci, Francesco Cangioli (2019). Design and Production of Innovative Turbomachinery Components via Topology Optimization and Additive Manufacturing. *INTERNATIONAL JOURNAL OF ROTATING MACHINERY*, vol. 2019, pp. 1-12, ISSN:1023-621X **Q2 in Industrial and Manufacturing Engineering**
 69. Rocco Furferi, Lapo Governi, Luca Puggelli, Michaela Servi, Yary Volpe (2019). Machine Vision system for counting small metal parts in electro-deposition industry. *APPLIED SCIENCES*, vol. 9, pp. 1-15, ISSN:2076-3417 **Q1 in Engineering (Miscellaneous)**
 70. Monica, Carfagni; Flavio, Facchini; Rocco, Furferi; Marco, Ghionzoli; Lapo, Governi; Antonio, Messineo; Francesca, Uccheddu; Yary, Volpe (2019). Towards a CAD-based automatic procedure for patient specific cutting guides to assist sternal osteotomies in pectus arcuatum surgical correction. *JOURNAL OF COMPUTATIONAL DESIGN AND ENGINEERING*, vol. 6, pp. 118-127, ISSN:2288-4300 **Q1 in Computer Graphics and Computer Aided Design - CLASSE A (ECCELLENTE ED ESTREMAMENTE RILEVANTE) VQR 2015-2019**
 71. Filippo Cavallo; Raffaele Limosani, Laura Fiorini, Raffaele Esposito, Rocco Furferi, Lapo Governi, Monica Carfagni (2018). Design impact of acceptability and dependability in assisted living robotic applications. *INTERNATIONAL JOURNAL ON INTERACTIVE DESIGN AND MANUFACTURING*, vol. 12, pp. 1167-1178, ISSN:1955-2513 **Q2 in Industrial and Manufacturing Engineering**
 72. Uccheddu, Francesca; Carfagni, Monica; Governi, Lapo; Furferi, Rocco; Volpe, Yary; Nocerino, Erica (2018). 3D printing of cardiac structures from medical images: an overview of methods and interactive tools. *INTERNATIONAL JOURNAL ON INTERACTIVE DESIGN AND MANUFACTURING*, vol. 12, pp. 597-609, ISSN:1955-2513 **Q2 in Industrial and Manufacturing Engineering – CLASSE B (ECCELLENTE) VQR 2015-2019**
 73. Francesco Buonamici, Rocco Furferi, Lorenzo Genitori, Lapo Governi, Antonio Marzola, Federico Mussa, Yary Volpe (2018). Reverse Engineering Techniques for Virtual Reconstruction of Defective Skulls: an Overview of Existing Approaches. *COMPUTER-AIDED DESIGN AND APPLICATIONS*, vol. 16, pp. 103-112, ISSN:1686-4360 **Q2 in Computer Graphics and Computer Aided Design**
 74. Francesco Buonamici, Rocco Furferi, Lapo Governi, Simone Lazzeri, Kathleen S. McGreevy, Michaela Servi, Emiliano Talanti, Francesca Uccheddu, Yary Volpe (2018). A CAD-based Procedure for Designing 3D Printable Arm-wrist-hand Cast. *COMPUTER-AIDED DESIGN AND APPLICATIONS*, vol. 16, pp. 25-34, ISSN:1686-4360 **Q2 in Computer Graphics and Computer Aided Design**
 75. Francesco Buonamici, Monica Carfagni, Rocco Furferi, Lapo Governi, Marco Saccardi, Yary Volpe (2018). Optimizing fabrication outcome in low-cost FDM machines. Part 2 - Tests. *MANUFACTURING TECHNOLOGY*, vol. 18, pp. 552-558, ISSN:1213-2489 **Q2 in Industrial and Manufacturing Engineering**
 76. Francesco Buonamici, Monica Carfagni, Rocco Furferi, Lapo Governi, Marco Saccardi, Yary Volpe (2018). Optimizing fabrication outcome in low-cost FDM machines. Part 1 - Metrics. *MANUFACTURING TECHNOLOGY*, vol. 18, pp. 372-378, ISSN:1213-2489 **Q2 in Industrial and Manufacturing Engineering**
 77. Yary Volpe, Rocco Furferi, Lapo Governi, Francesca Uccheddu, Monica Carfagni, Federico Mussa, Mirko Scagnet, Lorenzo Genitori (2018). Surgery of complex craniofacial defects: a single-step AM-based methodology. *COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE*, vol. 165, pp. 225-233, ISSN:0169-2607 **Q1 in Software – CLASSE B VQR 2015-2019**

78. Chiara Bartalucci, Francesco Borchì, Monica Carfagni, Rocco Furferi, Lapo Governi, Alessandro Lapini, Yary Volpe, Salvatore Curcuruto, Enrico Mazzocchi, Giuseppe Marsico, Sergio Luzzi, Raffaella Bellomini, Carlo Maria Nizzola, Manlio Maggi, Antonio Fasanella (2018). LIFE MONZA: project description and actions' updating. NOISE MAPPING, vol. 5, pp. 60-70, ISSN:2084-879X **Q2** in *Acoustics and Ultrasonics*
79. Chiara Bartalucci, Rocco Furferi, Lapo Governi, Yary Volpe (2018). A Survey of Methods for Symmetry Detection on 3D High Point Density Models in Biomedicine. SYMMETRY, vol. 2018, pp. 1-10, ISSN:2073-8994 **Q2** in *Computer Science (Miscellaneous)*
80. Giacomo Goli; Rémi Curti; Bertrand Marcon; Antonio Scippa; Gianni Campatelli; Rocco Furferi; Louis Denaud (2018). Specific Cutting Forces of Isotropic and Orthotropic Engineered Wood Products by Round Shape Machining. MATERIALS, vol. 11, pp. 1-14, ISSN:1996-1944 **Q2** in *Materials Science (Miscellaneous)*
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