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OA	**A. Brindisi,** C. Vendittozzi, **L. Travascio,** L. Di Palma, **M. Belardo, M. Ignarra, V. Fiorillo, A. Concilio**	*Preliminary Assessment of an FBG-Based Landing Gear Weight on Wheel System*	Actuators 2022, 11(7), 191; https://doi.org/10.3390/act11070191	**2022**	**CIRA-DTS-23-11-26**	https://creativecommons.org/licenses/by/4.0/
OA	**G. Giusto**, G. Fusco, C. Campagnoli, G. Barletta, N. Gallo, **F. De Nicola**	*Additive Manufacturing and Compression Molding: Two Concepts Integrated In A Single Manufacturing Process For Fiber-Reinforced Thermoplastic Composites*	Composites Meet Sustainability – Proceedings of the 20th European Conference on Composite Materials, ECCM20 - Vol 2, pg 336–343 (2022) . DOI : https://doi.org/10.5075/epfl-298799_978-2-9701614-0-0	**2022**	**CIRA-DTS-23-0353**	https://creativecommons.org/licenses/by-nc/4.0/
OA	F. Cilento, M. Giordano, **G. Giusto, R. Volponi, C. Toscano**, G. Barletta, N. Gallo, A. Martone	*GNP Films As Moisture Barrier In Kevlar/Epoxy Sandwich Composites*	Composites Meet Sustainability – Proceedings of the 20th European Conference on Composite Materials, ECCM20 - Vol 5, pg 678–685 (2022) . DOI : https://doi.org/10.5075/epfl-298799_978-2-9701614-0-0	**2022**	**CIRA-DTS-23-0355**	https://creativecommons.org/licenses/by-nc/4.0/
OA	**R. Volponi**, F. Cilento, A. Martone, **G. Giusto, C. Toscano,** M. Giordano, G. Barletta, N. Gallo	*Innovative Use Of A High Filled Graphene Film In An Aeronautical Composite Panel*	Composites Meet Sustainability – Proceedings of the 20th European Conference on Composite Materials, ECCM20 - Vol 5, pg 663–670 (2022) . DOI : https://doi.org/10.5075/epfl-298799_978-2-9701614-0-0	**2022**	**CIRA-DTS-23-0354**	https://creativecommons.org/licenses/by-nc/4.0/
OA	A Gialluisi, S Costanzo, G Veronesi, **G Zazzaro, A Cembalo**, MM Ferrario, F Gianfagna, S Massari, L Iacoviello	*Air pollution is associated with the risk of neurodegenerative disorders: a prominent role of PM10*	European Journal of Public Health, Volume 32, Issue Supplement_3, October 2022, ckac129.298 (15th European Public Health Conference 2022) https://doi.org/10.1093/eurpub/ckac129.298	**2022**	**CIRA-DTS-23-0439**	https://creativecommons.org/licenses/by/4.0/
OA	Giuliani, M.; **Dimino, I.; Ameduri, S**.; **Pecora, R**.; Concilio, A.	*Status and Perspectives of Commercial Aircraft Morphing,*	Biomimetics 2022, 7, 11. https://doi.org/10.3390/biomimetics7010011	**2022**	**CIRA-DTS-23-0346**	https://creativecommons.org/licenses/by/4.0/

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OA	**Dimino I.;** Colangeli C.; Cuenca J.; **Vitiello P.; Barbarino M**.	*Active Noise Control for Aircraft Cabin Seats*	Appl. Sci. 2022, 12, 5610; https://doi.org/10.3390/app12115610	**2022**	**CIRA-DTS-23-0328**	https://creativecommons.org/licenses/by/4.0/
OA	C. Bellini, **R. Borrelli,** F. Di Caprio, V. Di Cocco, **S. Franchitti,** F. Iacoviello, L. P. Mocanu, L. Sorrentino	*Manufacturing process effect on the bending characteristics of titanium-lattice/FRP hybrid structures*	Procedia Structural Integrity 42 (2022) 196–201. 23 European Conference on Fracture - ECF23, Elsevier https://doi.org/10.1016/j.prostr.2022.12.024	**2022**	**CIRA-DTS-23-0006**	https://creativecommons.org/licenses/by-nc-nd/4.0
OA	P. Foti, L.P. Mocanu, S.M.J. Razavi, C. Bellini, **R. Borrelli**, V. Di Cocco, **S. Franchitti,** F. Iacoviello, F. Berto	*Effect of recycling powder on the fatigue properties of AM Ti6Al4V*	Procedia Structural Integrity 42 (2022) 1436–1441 23 . European Conference on Fracture - ECF23, Elsevier. https://doi.org/10.1016/j.prostr.2022.12.183	**2022**	**CIRA-DTS-23-0007**	https://creativecommons.org/licenses/by-nc-nd/4.0/
OA	**G. Saccone, M. Marini**	*High Pressure Hydrogen Oxygen Combustion Kinetic Assessment For Air-Breathing Propulsion Supersonic Green Aviation*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0845 ; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0845.htm	**2022**	**CIRA-DTS-23-0008**	ICAS conf. proceed. CC BY
OA	**E. Iuliano, D. Quagliarella** and J. Wild	*Krueger High-Lift System Design Optimization*	The 8th European Congress on Computational Methods in Applied Sciences and Engineering ECCOMAS Congress 2022 5 – 9 June 2022, Oslo, Norway. Volume Computational Solid Mechanics, 2022 DOI: 10.23967/eccomas.2022.159	**2022**	**CIRA-DTS-22-3852**	https://creativecommons.org/licenses/by-nc-sa/3.0/deed.en_US
OA	**A. Errico, V. Di Vito**	*A Method For Evaluating Aircraft Dependencies Using The Closest Point Of Approach Methodology To Support Atm Operations*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0798; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0798.htm	**2022**	**CIRA-DTS-22-3854**	ICAS conf. proceed. CC BY

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OA	**D. Amitrano, L. Cicala, G. Cuciniello, M. De Mizio, M. Poderico, F. Tufano**	*Near Real–Time Volumetric Estimates Using Unmanned Aerial Platforms Equipped with Depth and Tracking Sensors*	Sensors 2022, 22 (23), 9462. https://doi.org/10.3390/s22239462	**2022**	**CIRA-DTS-22-3845**	https://creativecommons.org/licenses/by/4.0/
OA	**G. Corraro, F. Corraro, U. Ciniglio, E. Filippone,** N. Peinecke, E. Theunissen, E. Pastor, G. Frau, C. Shaw	*Fast Time and Real Time Validation of a Remain Well Clear Function for Airspace Classes D to G*	SESAR Innovation Days (SID) 2022. https://www.sesarju.eu/SIDS2022	**2022**	**CIRA-DTS-22-3772**	SID Conf proceed.
OA	**F. Petrosino, M.Barbarino**	*Comparison Of Analytical Semi-Empirical Model For Jet-Noise Prediction*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0855; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0855.htm	**2022**	**CIRA-DTS-22-3804**	ICAS conf. proceed. CC BY
OA	P. Schmollgruber, Cl. Toussaint, A. Lepage, F. Bremmers, H. Jentink, L. Timmermans, **N. Genito, A. Rispoli**, D. Meissner, D. Kierbe	*Validation Of Scaled Flight Testing*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0375; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0375.htm	**2022**	**CIRA-DTS-22-3807**	ICAS conf. proceed. CC BY
OA	**Pascarella, D., Gigante, G., Vozella, A**., Bieber, P., Dubot, T., Martinavarro, E., Barraco, G., & Li Calzi, G.	*A Methodological Framework for the Risk Assessment of Drone Intrusions in Airports*	Aerospace, vol. 9, n. 12:747. https://www.mdpi.com/2226-4310/9/12/747. DOI: 10.3390/aerospace9120747. https://www.mdpi.com/2226-4310/9/12/747.	**2022**	**CIRA-DTS-22-3765**	https://creativecommons.org/licenses/by/4.0/
OA	D. Darsena, G. Gelli, **I. Iudice**, F. Verde	*Sensing Technologies for Crowd Management, Adaptation, and Information Dissemination in Public Transportation Systems: A Review*	IEEE Sensors Journal (Volume: 23, Issue: 1, pp 68-87 01 January 2023) DOI: 10.1109/JSEN.2022.3223297. https://doi.org/10.1109/JSEN.2022.3223297	**2022**	**CIRA-DTS-22-3655**	https://creativecommons.org/licenses/by/4.0/

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OA	N. Viola, R. Fusaro, D. Ferretto, O. Gori, **M. Marini, P. Roncioni,** B. O. Cakir, A. C. Ispir, B. H. Saracoglu	*Hypersonic Aircraft And Mission Concept Re-Design To Move From Mach 8 To Mach 5 Operations*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0572; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0572.htm	**2022**	**CIRA-DTS-22-2926**	ICAS conf. proceed. CC BY
OA	Bagamanova M, Mujica Mota M, **Di Vito V**	*Exploring the Efficiency of Future Multimodal Networks: A Door-to-Door Case in Europe*	Sustainability 2022, 14(20), 13621; https://doi.org/10.3390/su142013621	**2022**	**CIRA-DTS-22-3446**	https://creativecommons.org/licenses/by/4.0/
OA	**G. Saccone, P. Natale, L. Cutrone, M. Marini**	*Hydrogen/Air Supersonic Combustion Modelling and Validation for Scramjet Applications*	Journal of Fluid Flow, Heat and Mass Transfer (JFFHMT) Volume 9, Page(s): 136-147, 2022. DOI: 10.11159/jffhmt.2022.017. https://jffhmt.avestia.com/2022/017.html	**2022**	**CIRA-DTS-22-3391**	https://creativecommons.org/licenses/by/4.0/
OA	**A. Vozella**, P. Bieber	*Aviation Security Concerns*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0918; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0918.htm	**2022**	**CIRA-DTS-22-3296**	ICAS conf. proceed. CC BY
OA	**P. Renzoni**	*Garteur: Nearly Half A Century Of European Collaboration In Aeronautics*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0910; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0910.htm	**2022**	**CIRA-DTS-22-3301**	ICAS conf. proceed. CC BY
OA	F. Fruncillo, **L. Federico, M. Cicala,** R. Citarella	*Development and Validation of an Aeropropulsive and Aeroacoustic Simulation Model of a Quadcopter Drone*	Drones 2022, 6(6), 143; https://doi.org/10.3390/drones6060143	**2022**	**CIRA-DTS-22-3111**	https://creativecommons.org/licenses/by/4.0/

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OA	E. Cozzolino, A. Astarita, **R. Borrelli, S. Franchitti,** V. Lopresto, **C. Pirozzi**	*A Preliminary Investigation of Energy Consumption for Turning Ti6Al4V EBM Cylindrical Parts*	Key Engineering Materials. Vol. 926, pp 2355-2362. DOI: 10.4028/p-vm4f1y .	**2022**	**CIRA-DTS-22-2737**	https://creativecommons.org/licenses/by/4.0/
OA	F. Vassallo, M. Buono, **S. Franchitti, R. Borrelli, C. Pirozzi,** G. Lamanna	*Industrial Applications of Lattice Structures in Components Made with EBM Additive Technology*	Macromol. Symp. 2022, 404, 2100518. DOI: 10.1002/masy.202100518	**2022**	**CIRA-DTS-22-2736**	https://creativecommons.org/licenses/by-nc-nd/4.0/
OA	R. Sepe, A. De Luca, V. Giannella, **R. Borrelli, S. Franchitti, F. Di Caprio,** F. Caputo	*Influence of dimension, building position, and orientation on mechanical properties of EBM lattice Ti6Al4V trusses*	The International Journal of Advanced Manufacturing Technology volume 122, pages3183–3198 (2022) DOI: https://doi.org/10.1007/s00170-022-10051-3	**2022**	**CIRA-DTS-22-2735**	https://creativecommons.org/licenses/by/4.0/
OA	M. Scoti, F. De Stefano, **F. Piscitelli**, G. Talarico , A. Giordano, C. De Rosa	*Melt-Crystallizations of α and γ Forms of Isotactic Polypropylene in Propene-Butene Copolymers*	Polymers 2022, 14, 3873. DOI: https://doi.org/10.3390/polym1418387	**2022**	**CIRA-DTS-22-2809**	https://creativecommons.org/licenses/by/4.0/
OA	**R. Scigliano, V. De Simone,** R. Fusaro, D. Ferretto, **M. Marini**, N. Viola	*Cooling System Of Stratofly Hypersonic Vehicle: Conceptual Design, Numerical Analysis And Verification*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0342; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0342.htm	**2022**	**CIRA-DTS-22-2895**	ICAS conf. proceed. CC BY
OA	**G. Corraro, F. Corraro, U. Ciniglio, E. Filippone**, N. Peinecke, E. Theunissen	*Implementation and Real-Time Validation of a European Remain Well Clear Function for Unmanned Vehicles*	Aerospace 2022, 9, 531. DOI: https://doi.org/10.3390/aerospace9100531	**2022**	**CIRA-DTS-22-2858**	https://creativecommons.org/licenses/by/4.0/

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OA	M. Alberi, **L. Cicala, M. De Cesare** et all.	*RadHawk: a smart UAV for hunting radioactivity*	EGU General Assembly 2022 . EGU22-11835 https://doi.org/10.5194/egusphere-egu22-11835	**2022**	**CIRA-DTS-22-2953**	https://creativecommons.org/licenses/by/4.0/
OA	K. Raptis, M. Albéri, S.Bisogno, I. Callegari, E. Chiarelli, **L. Cicala**, T. Colonna, **M. De Cesare**, et all.	*External effective dose from natural radiation for the Umbria region (Italy)*	Journal of Maps, DOI: 10.1080/17445647.2022.2093659 https://doi.org/10.1080/17445647.2022.2093659	**2022**	**CIRA-DTS-22-2951**	https://creativecommons.org/licenses/by/4.0/
OA	A. Maino, M. Alberi, E. Anceschi, E. Chiarelli, **L. Cicala**, T. Colonna, **M. De Cesare**, E. Guastaldi, N. Lopane, F. Mantovani, M. Marcialis, N. Martini, M. Montuschi, S. Piccioli, K. Giulia, C. Raptis, A. Russo, F. Semenza, V. Strati	*Airborne Radiometric Surveys and Machine Learning Algorithms for Revealing Soil Texture*	Remote Sens. 2022, 14, 3814, MDPI. https://doi.org/10.3390/rs1415381 https://www.mdpi.com/2072-4292/14/15/3814	**2022**	**CIRA-DTS-22-2950**	https://creativecommons.org/licenses/by-nc-nd/4.0/
OA	A. Maino, **L. Cicala, M. De Cesare** et all.	*Mapping soil texture with airborne gamma ray spectroscopy*	EGU General Assembly 2022 . EGU22-361 https://doi.org/10.5194/egusphere-egu22-361	**2022**	**CIRA-DTS-22-2954**	https://creativecommons.org/licenses/by/4.0/
OA	**P. Roncioni, L. Cutrone, M. Marini**	*Aeropropulsive Characterization Of The Hypersonic Cruiser Vehicle In Stratofly Project*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0235; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0235.htm	**2022**	**CIRA-DTS-22-2743**	ICAS conf. proceed. CC BY
OA	**P. Roncioni, M. Marini,** R. Fusaro, N. Viola	*Aerodatabase Development And Integration Of Supersonic/Hypersonic Cruiser Vehicles In More&Less Project*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0596; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0596.htm	**2022**	**CIRA-DTS-22-2741**	ICAS conf. proceed. CC BY

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OA	**E. Bucchignani**	*Wind Predictions in the Lower Stratosphere: State of the Art and Application of the COSMO Limited Area Model*	Meteorology 2022, 1, 311–326. https://doi.org/10.3390/meteorology1030020	**2022**	**CIRA-DTS-22-2744**	https://creativecommons.org/licenses/by/4.0/
OA	**G. Mingione**, E. Coustols, F. Monge, H. van der Ven, K. Richter, M. Tormalm, L. R.Calavera, B. Stefes, D. Pagan, P. Eliasson, Michel Mallet, R. Gemma	*The Group of Responsables "Aerodynamics (GoR AD)" An Overview of activities and Success Stories*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0915; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0915.htm	**2022**	**CIRA-DTS-22-2723**	https://creativecommons.org/licenses/by/4.0/
OA	R. Boisard, L. Lefevre, T. Zhang, G. Barakos, **A. Visingardi**, F. Lößle, A.Kostek, T. Andronikos, M. Keßler, R. Wickersheim, A. Colli, G. Gibertini, A. Zanotti	*Rotor / Rotor aerodynamic interactions – A Garteur Action Group*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0335; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0335.htm	**2022**	**CIRA-DTS-22-2714**	https://creativecommons.org/licenses/by/4.0/
OA	**A. Visingardi,** R. Heger, A. Le Pape, R. Markiewicz, B. Ohlenforst, K. Pahlke, M.White	*The Group Of Responsables "Rotorcraft (Rc-Gor)": An Overview Of Activities And Success Stories*	ICAS 2022 - 33rd Congress of the International Council of the Aeronautical Sciences, 4-9 sept. 2022 Sweden. ICAS2022_0917; https://www.icas.org/ICAS_ARCHIVE/ICAS2022/data/preview/ICAS2022_0917.htm	**2022**	**CIRA-DTS-22-2717**	https://creativecommons.org/licenses/by/4.0/
OA	R. Citarella, M. **Ferraiuolo**, M. Perrella, V. Giannella	*Thermostructural Numerical Analysis of the Thrust Chamber of a Liquid Propellant Rocket Engine*	"Materials" DOI: 10.3390/ma15155427 Materials 2022, 15, 5427. DOI: https://doi.org/10.3390/ma15155427	**2022**	**CIRA-DTS-22-2573**	https://creativecommons.org/licenses/by/4.0/
OA	G. Gelli**, I. Iudice, D. Pascarella**	*A cloud-assisted ADS-B network for UAVs based on SDR*	9th International Workshop on Metrology for AeroSpace, MetroAeroSpace, IEEE, Pisa, Italy, 27-29 June 2022, DOI: 10.1109/MetroAeroSpace54187.2022.9856398	**2022**	**CIRA-DTS-22-2564**	FREE ON IEEE WEBSITE

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OA	A. Di Nitto, F. Davide, E. Vardaci, **D. Bianco**, G. La Rana, D. Mercogliano	*The New Physics in LILITA_N21: An Improved Description of the Reaction 190 MeV 40Ar + 27Al*	Appl. Sci. MDPI 2022, 12, 4107. DOI: https://doi.org/10.3390/app12094107	**2022**	**CIRA-DTS-22-2566**	https://creativecommons.org/licenses/by/4.0/
OA	**D. Bianco,** C. Nappi, L. Piscopo, F. Volpe, M. Manganelli, F. Volpicelli, F. Loffredo, P. Totaro, M. Quarto, A. Cuocolo, M. Klain	*Initial Testing of an Approximated, Fast Calculation Procedure for Personalized Dosimetry in Radionuclide Therapy Based on Planar Whole-Body Scan and Monte-Carlo Specific Dose Rates from the OpenDose Project*	"Life" J. By MDPI 2022, 12, 1303. DOI: https://doi.org/10.3390/life12091303	**2022**	**CIRA-DTS-22-2565**	https://creativecommons.org/licenses/by/4.0/
OA	**G. Marinaro, G. Di Lorenzo, A. Pagano**	*From a Battery-Based to a PEM Fuel Cell-Based Propulsion Architecture on a Lightweight Full Electric Aircraft: A Comparative Numerical Study*	Aerospace 2022, 9(8), 408; DOI: https://doi.org/10.3390/aerospace9080408	**2022**	**CIRA-DTS-22-2474**	https://creativecommons.org/licenses/by/4.0/
OA	**A. Visingardi, M. Barbarino, D. Quagliarella**	*Aerodynamic And Acoustic Design Optimization Of A Multiple Propeller Combination For Distributed Electrical Propulsion*	WCCM-APCOM. 15th World Congress on Computational Mechanics (WCCM-XV) 8th Asian Pacific Congress on Computational Mechanics (APCOM-VIII) 31 July – 5 August 2022, Yokohama, Japan. Link: https://www.scipedia.com/public/Visingardi_et_al_2022a	**2022**	**CIRA-DTS-22-2481**	https://creativecommons.org/licenses/by/4.0/
OA	C. Bellini, F. Berto, V. Di Cocco, **S. Franchitti**, F. Iacoviello, L. P. Mocanu, S. M. Javad Razavi	*Effect of recycling on internal and external defects of Ti-6Al-4V powder particles for electron beam melting process*	Procedia Structural Integrity Volume 41, 2022, Pages 175-182, Elsevier. 2nd Mediterranean Conf.on Fracture & Structural Integrity. https://doi.org/10.1016/j.prostr.2022.05.019	**2022**	**CIRA-DTS-22-2338**	https://creativecommons.org/licenses/by-nc-nd/4.0/
OA	J. Ommer, **E. Bucchignani**, L. S. Leo, M. Kalas, S. Vrani´c a, S. Debele, P. Kumar, H.L. Cloke, S. Di Sabatino	*Quantifying co-benefits and disbenefits of Nature-based Solutions targeting Disaster Risk Reduction*	International Journal of Disaster Risk Reduction Volume 75, 1 June 2022, 102966 - Elsevier https://doi.org/10.1016/j.ijdrr.2022.102966	**2022**	**CIRA-DTS-22-2366**	https://creativecommons.org/licenses/by/4.0/

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OA	**D. Amitrano, C. V. Angelino, L. Cicala, F. Gargiulo, G. Gigante, F. Nebula, R. Palumbo, S. Parrilli, D. Pascarella, G. Pigliasco, F. Tufano**	*A multiscale approach for discovery of illegal micro-dumps based on satellite detections*	EGU General Assembly 2022, EGU22-11913, European Geosciences Union, Vienna, Austria & Online, 23-27 May 2022 . DOI:10.5194/egusphere-egu22-11923 https://doi.org/10.5194/egusphere-egu22-11923	**2022**	**CIRA-DTS-22-2018**	https://creativecommons.org/licenses/by/4.0/
OA	**Cicala, L., Amitrano, D., Cesario Vincenzo, A., Gargiulo, F., Gigante, G., Nebula, F., Palumbo, R., Parrilli, S., Pascarella, D., Tufano, F.**	*Discovery and characterization of environmental hazards by means of dynamic coordination of drones driven by satellite detection maps*	EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-11912, DOI: 10.5194/egusphere-egu22-11912 https://doi.org/10.5194/egusphere-egu22-11912	**2022**	**CIRA-DTS-22-1990**	https://creativecommons.org/licenses/by/4.0/
OA	C. Bellini, **R. Borrelli, F. Di Caprio,** V. Di Cocco, **S. Franchitti**, F. Iacoviello, L.P. Mocanu, L. Sorrentino	*Hybrid structures in Titanium-Lattice/FRP: effect of skins material on bending characteristics*	Procedia Structural Integrity 41 (2022) 3–8, Elsevier. 2nd Mediterranean Conference on Fracture and Structural Integrity https://doi.org/10.1016/j.prostr.2022.05.002	**2022**	**CIRA-DTS-22-1951**	https://creativecommons.org/licenses/by-nc-nd/4.0/
OA	**M. Minervino, G. Andreutti**, L. Russo, R. Tognaccini	*Drag Reduction by Wingtip-Mounted Propellers in Distributed Propulsion Configurations*	Fluids 2022, 7(7), 212; https://doi.org/10.3390/fluids7070212	**2022**	**CIRA-DTS-22-1955**	https://creativecommons.org/licenses/by/4.0/
OA	A. D. Marano, **M. Belardo, J**. Beretta, F. Starace, S. Orlando C. Punzi, R. Frajese, N. Paletta, L. Di Palma	*Aeroelastic Tailoring of the Next Generation Civil Tiltrotor Technological Demonstrator Composite Wing*	Aerospace 2022, 9, 335. DOI: https://doi.org/10.3390/aerospace9070335	**2022**	**CIRA-DTS-22-1995**	https://creativecommons.org/licenses/by/4.0/
OA	**G. Zazzaro**, L. Pavone	*Machine Learning Characterization of Ictal and Interictal States in EEG Aimed at Automated Seizure Detection*	Biomedicines 2022, 10, 1491. https://doi.org/10.3390/biomedicines10071491	**2022**	**CIRA-DTS-22-1984**	https://creativecommons.org/licenses/by/4.0/

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OA	**G. Saccone, P. Natale, L. Cutrone, M. Marini**	*Kinetic Analysis and CFD Modelling of Hydrogen-Air Combustion Applied to Scramjet Vehicles*	7th World Congress on Momentum, Heat and Mass Transfer, (MHMT'22) April 07 – 09, 2022 Paper No. CSP 103, DOI: 10.11159/csp22.103	**2022**	**CIRA-DTS-22-1894**	CC BY
OA	R. Fusaro, D. Ferretto, N. Viola, **R. Scigliano, V. De Simone, M. Marini**	*Liquid Metals Heat-Pipe solution for hypersonic air-intake leading edge: Conceptual design, numerical analysis and verification*	Acta Astronautica 197 (2022) 336-352 doi: https://doi.org/10.1016/j.actaastro.2022.05.034	**2022**	**CIRA-DTS-22-1731**	https://creativecommons.org/licenses/by/4.0/
OA	**D. Bianco, E. Marenna,** F. Loffredo, M. Quarto, **V. Di Vito, L. Federico**	*Monte-Carlo simulations in aviation contrail study: a review*	Appl. Sci. MDPI 2022, 12, 5885. DOI: https://doi.org/10.3390/app12125885	**2022**	**CIRA-DTS-22-1779**	https://creativecommons.org/licenses/by/4.0/
OA	**D. Ricci, F. Battista, M. Fragiacomo**	*Transcritical Behavior of Methane in the Cooling Jacket of a Liquid-Oxygen/Liquid-Methane Rocket-Engine Demonstrator*	Energies 2022, 15, 4190. https://doi.org/10.3390/en15124190	**2022**	**CIRA-DTS-22-1793**	https://creativecommons.org/licenses/by/4.0/
OA	**F. Piscitelli, A. Chiariello,** D. Dabkowski, **G. Corraro,** F. Marra, **L. Di Palma**	*Superhydrophobic Coatings as Anti-Icing Systems for Small Aircraft*	9th EASN Intern. Confe. on Innovation in Aviation & Space. https://doi.org/10.3390/books978-3-0365-4224-9	**2022**	**CIRA-DTS-22-1778**	https://creativecommons.org/licenses/by/4.0/
OA	**S. Ameduri, M. Ciminello, A. Concilio, I. Dimino, B. Galasso, M. Guida,** M.F. Miceli, J. Riemenschneider, S. Kalow, J. Luebker, B. K. Sutton Woods	*Whirl Tower Demonstration of an SMA Blade Twist System*	Actuators 2022, 11, 141. DOI: https://doi.org/10.3390/act11060141	**2022**	**CIRA-DTS-22-1683**	https://creativecommons.org/licenses/by/4.0/

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OA	**F. Nebula, R. Palumbo, G. Gigante**	*Machine Learning techniques applied to the Vehicle Routing Problem for Waste-Sites Inspections.*	Waste Management and Environmental Impact 2022 Vol. 257, 133 - 144. WIT Transactions on Ecology and the Environment XI DOI 10.2495/WMEI220121	**2022**	**CIRA-DTS-22-1469**	https://creativecommons.org/licenses/by/4.0/
OA	N. Viola, D. Ferretto, R. Fusaro, **R. Scigliano**	*Performance Assessment of an Integrated Environmental Control System of Civil Hypersonic Vehicles*	Aerospace 2022, 9(4), 201. DOI: https://doi.org/10.3390/aerospace9040201	**2022**	**CIRA-DTS-22-1267**	https://creativecommons.org/licenses/by/4.0/
OA	**F. Piscitelli**	*Characterization in Relevant Icing Conditions of Two Superhydrophobic Coatings*	Appl. Sci. MDPI 2022, 12, 3705. DOI: https://doi.org/10.3390/app12083705	**2022**	**CIRA-DTS-22-1265**	https://creativecommons.org/licenses/by/4.0/
OA	**M. Ferraiuolo**, M. Perrella, V. Giannella, R. Citarella	*Thermal–Mechanical FEM Analyses of a Liquid Rocket Engines Thrust Chamber*	Appl. Sci. MDPI 2022, 12(7), 3443. DOI: https://doi.org/10.3390/app12073443	**2022**	**CIRA-DTS-22-1231**	https://creativecommons.org/licenses/by/4.0/
OA	**F. Corraro, G. Corraro, G. Cuciniello, L. Garbarino**	*Unmanned Aircraft Collision Detection and Avoidance for Dealing with Multiple Hazards*	Journal Aerospace 2022, 9, 190. Special Issue on 'Recent Advances in See and Avoid Systems for Aircraft'. DOI: https://doi.org/10.3390/aerospace9040190	**2022**	**CIRA-DTS-22-1201**	https://creativecommons.org/licenses/by/4.0/
OA	**V.U. Castrillo, A. Manco, D. Pascarella, G. Gigante**	*A Review of Counter-UAS Technologies for Cooperative Defensive Teams of Drones*	Drones 2022, 6(3), 65; DOI: https://doi.org/10.3390/drones6030065	**2022**	**CIRA-DTS-22-0832**	https://creativecommons.org/licenses/by/4.0/

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OA	C. De Lucia, **E. Bucchignani, A. Mastellone**, M. Adinolfi, **M. Montesarchio, D. Cinquegrana,** P. Mercogliano, P. Schiano	*A Sensitivity Study on High Resolution NWP ICON—LAM Model over Italy*	Atmosphere 2022, 13, 540. DOI: https://doi.org/10.3390/atmos13040540	**2022**	**CIRA-DTS-22-1137**	https://creativecommons.org/licenses/by/4.0/
OA	**D. Cristillo, F. Di Caprio,** C. Pezzella, C. Paciello, S. Magistro, L. Di Palma, **M. Belardo**	*On Numerical Models for Cube Drop Test of Bladder Fuel Tank for Aeronautical Applications*	J. Compos. Sci. 2022, 6(3), 99. DOI: https://doi.org/10.3390/jcs6030099	**2022**	**CIRA-DTS-22-1037**	https://creativecommons.org/licenses/by/4.0/
OA	**I. Dimino, G. Diodati, F. Di Caprio, M. Ciminello, A. Menichino, M. Inverno, M. Belardo,** L. Di Palma	*Numerical and Experimental Studies of Free-Fall Drop Impact Tests Using Strain Gauge, Piezoceramic, and Fiber Optic Sensors*	Appl. Mech. 2022, 3(1), 313-338; DOI: https://doi.org/10.3390/applmech3010020	**2022**	**CIRA-DTS-22-1045**	https://creativecommons.org/licenses/by/4.0/
OA	**D. de Rosa,** E. Morales Tirado, **G. Mingione**	*Parametric investigation of a distributed propulsion system on a regional aircraft*	Aerospace 2022, 9(4), 176. DOI: https://doi.org/10.3390/aerospace9040176	**2022**	**CIRA-DTS-22-0879**	https://creativecommons.org/licenses/by/4.0/
OA	F. Loffredo, E. Vardaci, **D. Bianco,** A. Di Nitto, M. Quarto	*Protons Interaction with Nomex Target: Secondary Radiation from a Monte Carlo Simulation with Geant4*	Appl. Sci. MDPI 2022, 12, 2643. DOI: https://doi.org/10.3390/app12052643	**2022**	**CIRA-DTS-22-0826**	https://creativecommons.org/licenses/by/4.0/
OA	**M. Montesarchio, A.L. Zollo, M. Ferrucci, E. Bucchignani**	*Latest developments in AWAS: the Advanced Weather Awareness System in the COAST Project*	11th EASN 2021 - IOP Conf. Series: Materials Science and Engineering 1226 (2022) 012089 ; IOP Publishing doi: 10.1088/1757-899X/1226/1/012089; https://iopscience.iop.org/article/10.1088/1757-899X/1226/1/012089	**2022**	**CIRA-DTS-22-0808**	https://creativecommons.org/licenses/by/3.0/

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OA	**F. Di Caprio, S. Franchitti, R. Borrell**i, C. Bellini, V. Di Cocco, L. Sorrentino	*Ti-6Al-4V Octet-Truss Lattice Structures under Bending Load Conditions: Numerical and Experimental Results*	Metals 2022, 12, 410. MDPI J. DOI: https://doi.org/10.3390/met12030410	**2022**	**CIRA-DTS-22-0703**	https://creativecommons.org/licenses/by-nc-nd/4.0/
OA	M. Sansone, **S. Ameduri, A. Concilio,** E. Cestino	*Understanding Shape Memory Alloy Torsional Actuators: from the Conceptual to the Preliminary Design*	Actuators 2022, 11, 81. MDPI J. DOI: https://doi.org/10.3390/act11030081	**2022**	**CIRA-DTS-22-0758**	https://creativecommons.org/licenses/by-nc-nd/4.0/
OA	**V. Di Vito, E. Bucchignani, R. V. Montaquila, G. Cerasuolo, M. Montesarchio, A. L. Zollo, D. Cinquegrana**	*Analysis of vulnerability of ATM to weather phenomena*	11th EASN 2021 - IOP Conf. Series: Materials Science and Engineering 1226 (2022) 012020 IOP Publishing https://iopscience.iop.org/article/10.1088/1757-899X/1226/1/012020	**2022**	**CIRA-DTS-22-0687**	https://creativecommons.org/licenses/by/3.0/
OA	B Dziugieł , A Mazur , A Stanczyk , M Maczka , A Liberacki , **V. Di Vito , A. Menichino** , S Melo , J ten Thije , H Hesselink , J Vreeken , M Giannuzzi , G Duca , R Russo, A Witkowska-Konieczny	*Acceptance, Safety and Sustainability Recommendations for Efficient Deployment of UAM - Outline of H2020 CSA Project*	11th EASN 2021 - IOP Conf. Series: Materials Science and Engineering 1226 (2022) 012082, IOP Publishing doi:10.1088/1757-899X/1226/1/012082	**2022**	**CIRA-DTS-22-0686**	https://creativecommons.org/licenses/by/3.0/
OA	H. Kühnelt, A. Beutl, F. Mastropierro, F. Laurin, S. Willrodt, A. Bismarck, M. Guida, **F. Romano**	*Structural Batteries for Aeronautic Applications—State of the Art, Research Gaps and Technology Development Needs*	Aerospace 2022, 9, 7. DOI: https://doi.org/10.3390/aerospace9010007	**2022**	**CIRA-DTS-22-0014**	https://creativecommons.org/licenses/by-nc-nd/4.0/