

Publicaciones recientes

Publicaciones más relevantes (2020-2023)

- *Experimental Research on the Production of Hydrogen-Rich Synthesis Gas via the Air-Gasification of Olive Pomace: A Comparison between an Updraft Bubbling Bed and a Downdraft Fixed Bed.* **Hydrogen** (2023). <https://doi.org/10.3390/hydrogen4040046>. Carmo-Calado, L.; Hermoso-Orzáez, M.J.; Diaz-Perete, D.; La Cal-Herrera, J.; Brito, P.; Terrados-Cepeda, J.
- *WEEE polymers valorization, its use as fuel in the gasification process and revaluation of the inert by-products obtained: Sustainable mortars as a solution.* **Heliyon** (2023). <https://doi.org/10.1016/j.heliyon.2023.e20194>. Diaz-Perete, D.; Hermoso-Orzáez, M.J.; Terrados-Cepeda, J.; Silva-Romano, P.; Martín-Doñate, C.
- *Evaluation of Inrush Current in LED Luminaires Applied to Urban Lighting Based on Multi-Criteria Decision-Making Methods: A Case Study.* **LEUKOS** (2023). <https://doi.org/10.1080/15502724.2023.2240532>. Juan de Dios Unión-Sánchez; Manuel Jesús Hermoso-Orzáez; Blas Ogáyar-Fernández; Julio Terrados-Cepeda
- *Properties and Uses of Biochars Incorporated into Mortars.* **Environments** (2023). <https://doi.org/10.3390/environments10030047>. Mota-Panizio, Roberta ; Carmo-Calado, Luís ; Carolina Assis, Ana; Matos, Vitor; Hermoso-Orzáez, Manuel Jesús.
- *Techno-Economic Evaluation of Downdraft Fixed Bed Gasification of Almond Shell and Husk as a Process Step in Energy Production for Decentralized Solutions Applied in Biorefinery Systems.* **Agronomy** (2023). <https://doi.org/10.3390/agronomy13092278>. Carmo-Calado, L.; Hermoso-Orzáez, M.J.; La Cal-Herrera, J.; Brito, P.; Terrados-Cepeda, J.
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- *Application of the data envelopment analysis technique to measure the environmental efficiency of the 27 countries of the European Union during the period 2012–2020.* **Clean Technologies and Environmental Policy** (2023). <https://doi.org/10.1007/s10098-023-02553-9>. Cámara-Aceituno, J., Hermoso-Orzáez, M.J., Terrados-Cepeda, J., Mena-Nieto, A., García-Ramos, J.E.
- *Social acceptance of renewable energy development in southern Spain: Exploring tendencies, locations, criteria and situations..* **Energy Policy** (2023). <https://doi.org/10.1016/j.enpol.2022.113356>. Rodríguez-Segura, F.J.; Osorio-Aravena, J.C; Frolova, M.; Terrados-Cepeda, J.; Muñoz-Cerón, E.
- *Energy Recovery from Polymeric 3D Printing Waste and Olive Pomace Mixtures via Thermal Gasification—Effect of Temperature.* **Polymers** (2023). <https://doi.org/10.3390/polym15030750>. Díaz-Perete, D.; Hermoso-Orzáez, M.J.; Carmo-Calado, L.; Martín-Doñate, C.; Terrados-Cepeda, J.
- *How much solar PV, wind and biomass energy could be implemented in short-term? A multi-criteria GIS-based approach applied to the province of Jaén, Spain.* **Journal of Cleaner Production** (2022).

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 - *Co-carbonization of a mixture of waste insulation electric cables (WIEC) and lignocellulosic waste, for the removal of chlorine: Biochar properties and their behaviors. Fuel (2022).* <https://doi.org/10.1016/J.FUEL.2022.123932>. Mota-Panizio, R.; Hermoso-Orzaez, M. J.; Carmo-Calado, L.; Calado, H.; Goncalves, M. M.; Brito, P.
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 - *LED Lighting Installations in Professional Stadiums: Energy Efficiency, Visual Comfort, and Requirements of 4K TV Broadcast. Sustainability (2020).* <https://doi.org/10.3390/su12187684>. Rami David Orejón-Sánchez; Manuel Jesús Hermoso-Orzáez; Alfonso Gago-Calderón

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