# 2022

Artículos científicos del año 2022 indexados en Journal Citation Reports (JCR).

| Título | Revista | Autores | Cuartil |
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| The potential role of olive groves to deliver carbon dioxide removal in a carbon-neutral Europe: Opportunities and challenges | Renewable and Sustainable Energy Reviews | Ángel Galán-Martín, María del Mar Contreras, Inmaculada Romero, Encarnación Ruiz, Salvador Bueno-Rodríguez, Dolores Eliche-Quesada, Eulogio Castro-Galiano | Q1 |
| Improved xylitol production from olive stones hydrolysates by biological detoxification | Journal of Cleaner Production | Juan Miguel Romero-García, Csaba Fehér, Cristóbal Cara, Encarnación Ruiz-Ramos, Eulogio Castro | Q1 |
| Valorization of renewable resources to functional oligosaccharides: Recent trends and future prospective | Bioresource Technology | Vivek Narisetty, Priyanka Parhi, Binoop Mohan, Sulfath Hakkim Hazeena, A.Naresh Kumar, Beatriz Gullón, Anita Srivastava, Lakshmi M. Nair, Maria Paul Alphy, Raveendran Sindhu, Vinod Kumar, Eulogio Castro, Mukesh Kumar Awasthi, Parameswaran Binod | Q1 |
| Deep eutectic solvents for improved biomass pretreatment: Current status and future prospective towards sustainable processes | Bioresource Technology | María del Mar Contreras-Gámez, Ángel Galán Martín, Nalin Seixas, André M. da Costa Lopes, Armando Silvestre, Eulogio Castro | Q1 |
| Human and planetary health implications of negative emissions | Nature Communications | Cobo, S., Galán-Martín, Á., Tulus, V., Huijbregts, M. A., & Guillén-Gosálbez, G. | Q1 |
| Biotechnological use of the ubiquitous fungus *Penicillium* sp. 8L2: Biosorption of Ag(I) and synthesis of silver nanoparticles | Journal of Environmental Management | Antonio J. Muñoz, Francisco Espínola, Encarnación Ruiz, María Cuartero, Eulogio Castroa | Q1 |
| Trade-offs between sustainable development goals in carbon capture and utilisation | Energy & Environmental Science | Iasonas Ioannou, Ángel Galán-Martín, J. Pérez-Ramírez, G. Guillén-Gosálbez | Q1 |
| Ethanol production from olive stones using different process strategies | Renewable Energy | J.M. Romero-García, A. Susmozas, C. Padilla-Rascón, P. Manzanares, E. Castro, J.M.Oliva, I. Romero | Q1 |

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| Exploitation of olive tree pruning biomass through hydrothermal pretreatments | Industrial Crops and Products | Juan Miguel Romero-García, Juan Carlos López-Linares, María del Mar Contreras, Inmaculada Romero, Eulogio Castro | Q1 |
| An integrated olive stone biorefinery based on a two-step fractionation strategy | Industrial Crops and Products | Carmen Padilla-Rascón, Florbela Carvalheiro, Luís C. Duarte, Luisa B. Roseiro, Encarnación Ruiz, Eulogio Castro | Q1 |
| Enrichment of refined olive oils with phenolic extracts of olive leaf and exhausted olive pomace | Antioxidants | Alfonso M. Vidal, Manuel Moya, Sonia Alcalá, Inmaculada Romero, Francisco Espínola | Q1 |
| Hepatopreventive properties of hydroxytyrosol and mannitol-rich extracts obtained from exhausted olive pomace using green extraction methods | Food & Function | María del Mar Contreras, Irene Gómez-Cruz, Anouar Feriani, Saleh Alwasel, Abdel Halim Harrath, Inmaculada Romero, Eulogio Castro, Nizar Tlili | Q1 |
| Crops with potential for diclosulam remediation and concomitant bioenergy production | Food & Function | Cícero T. Silva, José A. Rojas-Chamorro, Gabriela Madureira Barroso, Márcia V. Santos, Anderson Barbosa Evaristo, Leandro D. da Silva, Eulogio Castro, José Barbosa dos Santos | Q1 |
| Combined extraction and ethanol organosolv fractionation of exhausted olive pomace for bioactive compounds | Advanced Sustainable Systems | Irene Gómez-Cruz, Inmaculada Romero, María del Mar Contreras, Jalel Labidi, Fabio Hernández-Ramos, Luisa B. Roseiro, Luís C. Duarte, Eulogio Castro, Florbela Carvalheiro | Q1 |
| Multicompound biorefinery based on combined acid/alkaline-oxidative treatment of olive stones | Process Safety and Environmental Protection | Carmen Padilla Rascón, Juan Miguel Romero-García, Inmaculada Romero, Encarnación Ruiz, Eulogio Castro | Q1 |
| Alkaline activation of high-crystalline low-Al2O3 construction and demolition wastes to obtain geopolymers | Journal of Cleaner Production | J. M. Moreno-Maroto, P. Delgado-Plana, R. Cabezas-Rodríguez, R. Mejía de Gutiérrez, D. Eliche-Quesada, L. Pérez-Villarejo, R. J Galán-Arboledas, S. Bueno | Q1 |
| Study of a waste kaolin as raw material for mullite ceramics and mullite refractories by reaction sintering | Materials | Sánchez-Soto, P.J., Eliche-Quesada, D., Martínez-Martínez, S., Pérez-Villarejo, L., Garzón, E. | Q1 |
| Social life cycle assessment of green methanol and benchmarking against conventional fossil methanol | Science of The Total Environment | Diego Iribarren, Raúl Calvo-Serrano, Mario Martín-Gamboa, Ángel Galán-Martín, Gonzalo Guillén-Gosálbez | Q1 |
| Vitrification rate and estimation of the optimum firing conditions of ceramic materials from raw clays: A review | Ceramics International | E. Garzón, L. Pérez-Villarejo, D. Eliche-Quesada, S. Martínez-Martínez, P. J. Sánchez-Soto | Q1 |

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| Bioethanol production from steam-exploded barley straw by co-fermentation with Escherichia coli SL100 | Agronomy | Manuel J. Díaz, Manuel Moya, Eulogio Castro | Q1 |
| Optimization of microwave-assisted water extraction to obtain high value-added compounds from exhausted olive pomace in a biorefinery context | Foods | Irene Gómez-Cruz, María del Mar Contreras, Inmaculada Romero, Eulogio Castro | Q1 |
| Extraction systems and analytical techniques for food phenolic compounds: A review | Foods | Antonio Lama-Muñoz, María del Mar Contreras-Gámez | Q1 |
| Residues from grapevine and wine production as feedstock for a biorefinery | Food and Bioproducts Processing | María del Mar Contreras, Juan Miguel Romero-García, Juan Carlos López-Linares, Inmaculada Romero, Eulogio Castro | Q2 |
| *Papaver* plants: Current insights on phytochemical and nutritional composition along with biotechnological applications | *Oxidative Medicine and Cellular Longevity* | M. Butnariu, C. Quispe, J. Herrera-Bravo, M. Pentea, I. Sarac, A. Seylam Kü?ümler, B. Özçelik, S. Painuli, P. Semwal, M. Imran, Ta. Aslam Gondal, S. Emamzadeh-Yazdi, N. Lapava, Z. Yousaf, Ma. Kumar, A.H. Eid, Y. Al-Dhaheri, H. A. Rasul Suleria, M. M. Contreras, J. Sharifi-Rad, W. C. Cho | Q2 |
| Simulation and techno-economical evaluation of a microalgal biofertilizer production process | Biology | Juan Miguel Romero-García, Cynthia Victoria González-López, Celeste Brindley, José María Fernández-Sevilla, Francisco Gabriel Acién-Fernández | Q2 |
| Comparative study of alkali activated cements based on metallurgical slags, in terms of technological properties developed | Sustainable Chemistry and Pharmacy | M.A.Gómez-Casero, L. Pérez-Villarejo, P.J. Sánchez-Soto, D. Eliche-Quesada | Q2 |
| Physical, mechanical and thermal properties of metakaolin-fly ash geopolymers | Sustainable Chemistry and Pharmacy | Gómez-Casero, M.A., De Dios-Arana, C., Bueno-Rodríguez, J.S., Pérez-Villarejo, L., Eliche-Quesada, D. | Q2 |

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