

Peer-reviewed publications

2023

1. Zheng K., Benedetti M.F., **van Hullebusch E.D.** (2023) Recovery technologies for indium, gallium, and germanium from end-of-life products (electronic waste) – A review *Journal of Environmental Management*, 347, 119043 <https://doi.org/10.1016/j.jenvman.2023.119043>

2024

2. Zheng K., Benedetti M.F., Jain R., Pollmann K., **van Hullebusch E.D.** (2024) Recovery of gallium (and indium) from spent LEDs: strong acids leaching versus selective leaching by siderophore desferrioxamine E, *Separation and Purification Technology*, 338, 126566. <https://doi.org/10.1016/j.seppur.2024.126566>
3. [Roslan M.I., Derek C.J.C., **van Hullebusch E.D.**, Kamaruddin M.A., Siu Hua C. \(2024\) Gold Recovery from Thiosulfate Solutions using Hydrogen Peroxide. *Malaysian Journal of Chemistry*, 26\(1\), 240-246. <https://doi.org/10.55373/mjchem.v26i1.240>](https://doi.org/10.1016/j.seppur.2024.126566)
4. Ojembarrena F.B., Merayo N., Blanco A., Negro C., **van Hullebusch E.D.** (2024) Smart Sorption: Novel Applications of Cellulosic Nanomaterials for Selective Critical Metal Recovery from Black Mass Leachates through Multibatch Processes, *Separation and Purification Technology*, 341, 126940. <https://doi.org/10.1016/j.seppur.2024.126940>
5. Zheng K., Benedetti M.F., Jain R., Guy B.M., Pollmann K., **van Hullebusch E.D.** (2024) Selective leaching of indium from spent LCD screens by siderophore desferrioxamine E, *Journal of Hazardous Materials*, 469, 134013 <https://doi.org/10.1016/j.jhazmat.2024.134013>

2025

6. Ojembarrena F.B., **van Hullebusch E.D.**, Marsac R., Merayo N., Blanco A., Negro C. (2025) Selective recovery of Co(II), Mn(II), Cu(II) and Ni(II) by multiple step batch treatments with nanocellulose products, *Environmental Science and Pollution Research*, in press <https://doi.org/10.1007/s11356-024-35699-0>

Book as a publisher

1. Panda S., Mishra S., Akcil A., **van Hullebusch E.D.** Eds (2024) *Biotechnological Innovations in the Mineral-Metal Industry*, Springer 244 pp. <https://link.springer.com/book/9783031436246>
2. Isildar A., **van Hullebusch E.D.**, Huisingh D. Eds (2024) *Critical Materials and Sustainability Transition*, CRC press, 178 pp. <https://doi.org/10.1201/9781003218920>
3. Das, A.P., **van Hullebusch, E.D.**, & Akçil, A. (Eds.). (2024). *Sustainable Management of Mining Waste and Tailings: A Circular Economy Approach* (1st ed.). CRC Press. 358 pp. <https://doi.org/10.1201/9781003442455>

Book Chapter

1. Chaine Escobar A.C., Hursthouse A.S., **van Hullebusch E.D.** (2024) Challenges in Scale-Up of Bio-Hydrometallurgical Treatment of Electronic Waste: From Laboratory-Based Research to Practical Industrial Applications in Abhishek Kumar, Pramod Singh Rathore, Ashutosh Kumar Dubey, Arun Lal Srivastav, T. Ananth Kumar and Vishal Dutt (eds.) *Sustainable Management of Electronic Waste and Renewable Energy*, (301–340) Scrivener Publishing LLC <https://doi.org/10.1002/9781394166923.ch16>

2. Kompalitch A.H., **van Hullebusch E.D.** (2024) Integration of Bioleaching and Biorefinery Technologies for the Recovery of Base and Critical Elements from Electronic Waste. S. Panda et al. (eds.), *Biotechnological Innovations in the Mineral-Metal Industry*, *Advances in Science, Technology & Innovation*, https://doi.org/10.1007/978-3-031-43625-3_11
3. Potysz, A., Kierczak, J., **van Hullebusch, E.D.** (2024). Metallurgical Slags in the Environment and Treatment Systems: Insights Regarding Biotic Interactions. In: Staicu, L.C., Barton, L.L. (eds) *Geomicrobiology: Natural and Anthropogenic Settings*. Springer, Cham. https://doi.org/10.1007/978-3-031-54306-7_11