# LÃ¡szlÃ³ J CsetÃ©nyi

List of Publications by Year
in descending order



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|---|---|---|---|
| 41 papers | 1,196 citations | 430874 18 h-index | 377865 34 g-index |
| 42 all docs | 42 docs citations | 42 times ranked | 1092 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sustainable use of marble slurry in concrete. Journal of Cleaner Production, 2015, 94, 304-311. | 9.3 | 177 |
| 2 | Biomineralization of Metal Carbonates by Neurospora crassa. Environmental Science & Technology, 2014, 48, 14409-14416. | 10.0 | 124 |
| 3 | <scp>C</scp>a<scp>CO</scp><sub>3</sub> and <scp>S</scp>r<scp>CO</scp><sub>3</sub> bioprecipitation by fungi isolated from calcareous soil. Environmental Microbiology, 2015, 17, 3082-3097. | 3.8 | 82 |
| 4 | Fungal formation of selenium and tellurium nanoparticles. Applied Microbiology and Biotechnology, 2019, 103, 7241-7259. | 3.6 | 77 |
| 5 | Mechanical and durability studies on concrete containing wollastoniteâ€“fly ash combination. Construction and Building Materials, 2013, 40, 1142-1150. | 7.2 | 63 |
| 6 | Durability studies on concrete containing wollastonite. Journal of Cleaner Production, 2015, 87, 726-734. | 9.3 | 54 |
| 7 | Fungal Biomineralization of Manganese as a Novel Source of Electrochemical Materials. Current Biology, 2016, 26, 950-955. | 3.9 | 53 |
| 8 | Uranium bioprecipitation mediated by yeasts utilizing organic phosphorus substrates. Applied Microbiology and Biotechnology, 2016, 100, 5141-5151. | 3.6 | 48 |
| 9 | Immobilization of caesium-loaded ion exchange resins in zeolite-cement blends. Cement and Concrete Research, 1999, 29, 479-485. | 11.0 | 42 |
| 10 | Engineering and durability properties of fly ash treated lime-stabilised sulphate-bearing soils. Engineering Geology, 2014, 174, 139-148. | 6.3 | 41 |
| 11 | Amino acid secretion influences the size and composition of copper carbonate nanoparticles synthesized by ureolytic fungi. Applied Microbiology and Biotechnology, 2019, 103, 7217-7230. | 3.6 | 40 |
| 12 | Recycling of dimension limestone industry waste in concrete. International Journal of Mining, Reclamation and Environment, 2017, 31, 231-250. | 2.8 | 39 |
| 13 | Lead Bioprecipitation by Yeasts Utilizing Organic Phosphorus Substrates. Geomicrobiology Journal, 2016, 33, 294-307. | 2.0 | 27 |
| 14 | Biotransformation of struvite by Aspergillus niger: phosphate release and magnesium biomineralization as glushinskite. Environmental Microbiology, 2020, 22, 1588-1602. | 3.8 | 26 |
| 15 | Monazite transformation into Ceâ€•and Laâ€•containing oxalates by Aspergillus niger. Environmental Microbiology, 2020, 22, 1635-1648. | 3.8 | 25 |
| 16 | Biotransformation of lanthanum by Aspergillus niger. Applied Microbiology and Biotechnology, 2019, 103, 981-993. | 3.6 | 24 |
| 17 | Phase equilibrium study in the CaOâ€“K2Oâ€“B2O3â€“H2O system at 25Â°C. Cement and Concrete Research, 2001, 31, 1087-1091. | 11.0 | 21 |
| 18 | Structural and thermal degradation behaviour of reclaimed clay nano-reinforced low-density polyethylene nanocomposites. Journal of Polymer Research, 2019, 26, 1. | 2.4 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Biorecovery of cobalt and nickel using biomass-free culture supernatants from Aspergillus niger. Applied Microbiology and Biotechnology, 2020, 104, 417-425. | 3.6 | 20 |
| 20 | Direct and Indirect Bioleaching of Cobalt from Low Grade Laterite and Pyritic Ores by Aspergillus niger. Geomicrobiology Journal, 2019, 36, 940-949. | 2.0 | 18 |
| 21 | Colonization and bioweathering of monazite by Aspergillus niger: solubilization and precipitation of rare earth elements. Environmental Microbiology, 2021, 23, 3970-3986. | 3.8 | 18 |
| 22 | Fungal-induced CaCO3 and SrCO3 precipitation: a potential strategy for bioprotection of concrete. Science of the Total Environment, 2022, 816, 151501. | 8.0 | 18 |
| 23 | Colonization, penetration and transformation of manganese oxide nodules by Aspergillus niger. Environmental Microbiology, 2019, 21, 1821-1832. | 3.8 | 15 |
| 24 | Evaluating the effect of recycled aggregate on damaging AAR in concrete. Magazine of Concrete Research, 2015, 67, 598-610. | 2.0 | 13 |
| 25 | Fungal transformation of selenium and tellurium located in a volcanogenic sulfide deposit. Environmental Microbiology, 2020, 22, 2346-2364. | 3.8 | 12 |
| 26 | Chemical and Physical Mechanisms of Fungal Bioweathering of Rock Phosphate. Geomicrobiology Journal, 2021, 38, 384-394. | 2.0 | 12 |
| 27 | Rock phosphate solubilization by abiotic and fungalâ€produced oxalic acid: reaction parameters and bioleaching potential. Microbial Biotechnology, 2022, 15, 1189-1202. | 4.2 | 10 |
| 28 | Selective fungal bioprecipitation of cobalt and nickel for multipleâ€product metal recovery. Microbial Biotechnology, 2021, 14, 1747-1756. | 4.2 | 10 |
| 29 | Fungal colonization and biomineralization for bioprotection of concrete. Journal of Cleaner Production, 2022, 330, 129793. | 9.3 | 10 |
| 30 | Fly ash influences on sulfate-heave in lime-stabilised soils. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2012, 165, 147-158. | 1.0 | 9 |
| 31 | Refining the foam index test for use with air-entrained fly ash concrete. Magazine of Concrete Research, 2012, 64, 967-978. | 2.0 | 9 |
| 32 | Fungal transformation of natural and synthetic cobaltâ€bearing manganese oxides and implications for cobalt biogeochemistry. Environmental Microbiology, 2022, 24, 667-677. | 3.8 | 8 |
| 33 | Evaluation of fly ash reactivity potential using a lime consumption test. Magazine of Concrete Research, 2017, 69, 954-965. | 2.0 | 7 |
| 34 | Influence of Portland cement characteristics on air-entrainment in fly ash concrete. Magazine of Concrete Research, 2015, 67, 786-797. | 2.0 | 4 |
| 35 | Feasibility of recovered toner powder as an integral pigment in concrete. Proceedings of Institution of Civil Engineers: Construction Materials, 2019, 172, 201-212. | 1.1 | 4 |
| 36 | Influence of modern coal-fired power technologies on fly ash properties and its use in concrete. Advances in Cement Research, 2019, 31, 435-447. | 1.6 | 4 |

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|---|---|---|---|
| 37 | Oil-based mud waste reclamation and utilisation in low-density polyethylene composites. Waste Management and Research, 2020, 38, 1331-1344. | 3.9 | 4 |
| 38 | Solubilization of struvite and biorecovery of cerium by Aspergillus niger. Applied Microbiology and Biotechnology, 2022, 106, 821-833. | 3.6 | 4 |
| 39 | Potential of weathered blast furnace slag for use as an addition in concrete. Magazine of Concrete Research, 2021, 73, 240-251. | 2.0 | 2 |
| 40 | Application of fungal copper carbonate nanoparticles as environmental catalysts: organic dye degradation and chromate removal. Microbiology (United Kingdom), 2021, 167, . | 1.8 | 1 |
| 41 | Mechanisms of Sulfate Heave Prevention in Lime Stabilized Clays Through Pozzolanic Additions. , 2009, , . | | 0 |