# Maria Harja

List of Publications by Year
in descending order



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|---|---|---|---|
| 84 papers | 1,355 citations | 361296 20 h-index | 395590 33 g-index |
| 85 all docs | 85 docs citations | 85 times ranked | 1258 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Studies on adsorption of oxytetracycline from aqueous solutions onto hydroxyapatite. Science of the Total Environment, 2018, 628-629, 36-43. | 3.9 | 143 |
| 2 | Recent advances in removal of Congo Red dye by adsorption using an industrial waste. Scientific Reports, 2022, 12, 6087. | 1.6 | 109 |
| 3 | Cerium-doped hydroxyapatite/collagen coatings on titanium for bone implants. Ceramics International, 2019, 45, 2852-2857. | 2.3 | 88 |
| 4 | Comparison of Mechanical Properties for Polymer Concrete with Different Types of Filler. Journal of Materials in Civil Engineering, 2010, 22, 696-701. | 1.3 | 74 |
| 5 | Kinetic and equilibrium studies on adsorption of Reactive Blue 19 dye from aqueous solutions by nanohydroxyapatite adsorbent. Archives of Environmental Protection, 2016, 42, 3-11. | 1.1 | 41 |
| 6 | Performance assessment of five adsorbents based on fly ash for removal of cadmium ions. Journal of Molecular Liquids, 2021, 333, 115932. | 2.3 | 41 |
| 7 | TiO2 Doped with Noble Metals as an Efficient Solution for the Photodegradation of Hazardous Organic Water Pollutants at Ambient Conditions. Water (Switzerland), 2021, 13, 19. | 1.2 | 41 |
| 8 | Removal of cadmium(II) from aqueous solution by adsorption onto modified algae and ash. Korean Journal of Chemical Engineering, 2015, 32, 1804-1811. | 1.2 | 38 |
| 9 | Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste. Chemical Engineering Research and Design, 2018, 119, 23-35. | 2.7 | 37 |
| 10 | Using Neural Networks for Prediction of Properties of Polymer Concrete with Fly Ash. Journal of Materials in Civil Engineering, 2012, 24, 523-528. | 1.3 | 32 |
| 11 | Low cost adsorbents obtained from ash for copper removal. Korean Journal of Chemical Engineering, 2012, 29, 1735-1744. | 1.2 | 31 |
| 12 | Acid Black 172 dye adsorption from aqueous solution by hydroxyapatite as low-cost adsorbent. Korean Journal of Chemical Engineering, 2014, 31, 1021-1027. | 1.2 | 31 |
| 13 | Adsorption Performance of Modified Fly Ash for Copper Ion Removal from Aqueous Solution. Water (Switzerland), 2021, 13, 207. | 1.2 | 30 |
| 14 | Prediction of properties of polymer concrete composite with tire rubber using neural networks. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 1259-1267. | 1.7 | 29 |
| 15 | Removal of heavy metal ions from aqueous solutions using low-cost sorbents obtained from ash. Chemical Papers, 2013, 67, . | 1.0 | 28 |
| 16 | Uranium removal from aqueous solutions by raw and modified thermal power plant ash. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 381-386. | 0.7 | 24 |
| 17 | Removal of Reactive Blue 204 Dye from Aqueous Solutions by Adsorption Onto Nanohydroxyapatite. Science of Advanced Materials, 2013, 5, 1090-1096. | 0.1 | 23 |
| 18 | A low-cost sorbent for removal of copper ions from wastewaters based on sawdust/fly ash mixture. International Journal of Environmental Science and Technology, 2015, 12, 1799-1810. | 1.8 | 22 |

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|---|---|---|---|
| 19 | Retention of barium and europium radionuclides from aqueous solutions on ash-based sorbents by application of radiochemical techniques. Applied Radiation and Isotopes, 2016, 116, 102-109. | 0.7 | 22 |
| 20 | Fly Ash Coated with Magnetic Materials: Improved Adsorbent for Cu (II) Removal from Wastewater. Materials, 2021, 14, 63. | 1.3 | 22 |
| 21 | New construction materials synthesized from water treatment sludge and fired clay brick wastes. Journal of Building Engineering, 2021, 42, 102471. | 1.6 | 18 |
| 22 | Obtaining and Characterization of the Polymer Concrete with Fly Ash. Journal of Applied Sciences, 2008, 9, 88-96. | 0.1 | 18 |
| 23 | WASTES USED IN OBTAINING POLYMER COMPOSITE. Environmental Engineering and Management Journal, 2009, 8, 1145-1150. | 0.2 | 17 |
| 24 | Clay- and zeolite-based biogeosorbents: modelling and properties. Ã‰pÃ‡Å‘anyag: Journal of Silicate Based and Composite Materials, 2019, 71, 131-137. | 0.0 | 16 |
| 25 | New materials synthesized from ash under moderate conditions for removal of toxic and radioactive metals. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 2303. | 0.7 | 15 |
| 26 | Removal of Astrazone Blue from aqueous solutions onto brown peat. Equilibrium and kinetics studies. Korean Journal of Chemical Engineering, 2014, 31, 1008-1015. | 1.2 | 14 |
| 27 | Neuro-evolutionary optimization methodology applied to the synthesis process of ash based adsorbents. Journal of Industrial and Engineering Chemistry, 2014, 20, 597-604. | 2.9 | 14 |
| 28 | UTILIZATION OF COAL FLY ASH FROM POWER PLANTS - I. ASH CHARACTERIZATION. Environmental Engineering and Management Journal, 2008, 7, 289-293. | 0.2 | 14 |
| 29 | SIMULTANEOUS REMOVAL OF ASTRAZONE BLUE AND LEAD ONTO LOW COST ADSORBENTS BASED ON POWER PLANT ASH. Environmental Engineering and Management Journal, 2011, 10, 341-347. | 0.2 | 14 |
| 30 | Removal of Zn(II) ions from aqueous media on thermal activated sawdust. Desalination and Water Treatment, 2016, 57, 21904-21915. | 1.0 | 13 |
| 31 | Application of Saccharomyces cerevisiae/Calcium Alginate Composite Beads for Cephalexin Antibiotic Biosorption from Aqueous Solutions. Materials, 2021, 14, 4728. | 1.3 | 13 |
| 32 | Removal of Toxic Copper Ion from Aqueous Media by Adsorption on Fly Ash-Derived Zeolites: Kinetic and Equilibrium Studies. Polymers, 2021, 13, 3468. | 2.0 | 13 |
| 33 | Production and characterization of natural clay-free green building brick materials using water treatment sludge and oak wood ash. Archives of Civil and Mechanical Engineering, 2022, 22, 1. | 1.9 | 13 |
| 34 | Bismuth-Doped Nanohydroxyapatite Coatings on Titanium Implants for Improved Radiopacity and Antimicrobial Activity. Nanomaterials, 2019, 9, 1696. | 1.9 | 12 |
| 35 | Zn/La Mixed Oxides Prepared by Coprecipitation: Synthesis, Characterization and Photocatalytic Studies. Materials, 2020, 13, 4916. | 1.3 | 12 |
| 36 | STUDY OF MORPHOLOGY FOR GEOPOLYMER MATERIALS OBTAINED FROM FLY ASH. Environmental Engineering and Management Journal, 2009, 8, 1021-1027. | 0.2 | 12 |

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|---|---|---|---|
| 37 | A NEW STRATEGY FOR PENTACHLOROPHENOL MONITORING IN WATER SAMPLES USING ULTRA-HIGH PERFORMANCE LIQUID CHROMATOGRAPHY - MASS SPECTROMETRY TANDEM. Environmental Engineering and Management Journal, 2015, 14, 567-574. | 0.2 | 11 |
| 38 | Doping Titanium Dioxide with Palladiun for Enhancing thePhotocatalytic Decontamination and Mineralization of a Refractory Water Pollutant. Revista De Chimie (discontinued), 2020, 71, 145-152. | 0.2 | 11 |
| 39 | Eco-Friendly Materials Obtained by Fly Ash Sulphuric Activation for Cadmium Ions Removal. Materials, 2020, 13, 3584. | 1.3 | 10 |
| 40 | Removal of oxytetracycline from aqueous solutions by hydroxyapatite as a low-cost adsorbent. E3S Web of Conferences, 2017, 22, 00062. | 0.2 | 9 |
| 41 | PREPARATION AND CHARACTERIZATION OF NANOCOMPOSITE MATERIAL BASED ON TiO2-Ag FOR ENVIRONMENTAL APPLICATIONS. Environmental Engineering and Management Journal, 2018, 17, 925-936. | 0.2 | 9 |
| 42 | NEW TiO2-Ag NANOPARTICLES USED FOR ORGANIC COMPOUNDS DEGRADATION. Environmental Engineering and Management Journal, 2019, 18, 1755-1763. | 0.2 | 9 |
| 43 | Using Fly Ash Wastes for the Development of New Building Materials with Improved Compressive Strength. Materials, 2022, 15, 644. | 1.3 | 9 |
| 44 | Behaviour of short polymer-high strength concrete columns under eccentric compression. Archives of Civil and Mechanical Engineering, 2013, 13, 119-127. | 1.9 | 8 |
| 45 | Synthesis of Zeolite from Fly Ash and their Use as Soil Amendment. , 0, , . | | 8 |
| 46 | Preparation and Properties of Ceramic Materials from Coal Fly Ash. Springer Proceedings in Earth and Environmental Sciences, 2020, , 101-107. | 0.2 | 8 |
| 47 | Magnetic Solid-Phase Extraction of Cadmium Ions by Hybrid Self-Assembled Multicore Type Nanobeads. Polymers, 2021, 13, 229. | 2.0 | 8 |
| 48 | ASSESSMENT OF GROUNDWATER AND SURFACE WATER CONTAMINATION BY LANDFILL LEACHATE: A CASE STUDY IN NEAMT COUNTY, ROMANIA. Environmental Engineering and Management Journal, 2017, 16, 633-641. | 0.2 | 8 |
| 49 | Effects of In-Situ Filler Loading vs. Conventional Filler and the Use of Retention-Related Additives on Properties of Paper. Materials, 2020, 13, 5066. | 1.3 | 7 |
| 50 | FLY ASH MAGNETIC ADSORBENT FOR CADMIUM ION REMOVAL FROM AN AQUEOUS SOLUTION. Journal of Applied Life Sciences and Environment, 2021, 185, 42-50. | 0.1 | 7 |
| 51 | IMPROVING SOIL QUALITY BY ADDING MODIFIED ASH. Environmental Engineering and Management Journal, 2012, 11, 297-305. | 0.2 | 7 |
| 52 | New Materials Synthesized by Sulfuric Acid Attack Over Power Plant Fly Ash. Revista De Chimie (discontinued), 2020, 71, 48-58. | 0.2 | 7 |
| 53 | Biosorptive Removal of Ethacridine Lactate from Aqueous Solutions by Saccharomyces pastorianus Residual Biomass/Calcium Alginate Composite Beads: Fixed-Bed Column Study. Materials, 2022, 15, 4657. | 1.3 | 7 |
| 54 | Biosorption Potential of Microbial and Residual Biomass of Saccharomyces pastorianus Immobilized in Calcium Alginate Matrix for Pharmaceuticals Removal from Aqueous Solutions. Polymers, 2022, 14, 2855. | 2.0 | 7 |

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|---|---|---|---|
| 55 | Eco-friendly Nano-adsorbents for Pollutant Removal from Wastewaters. , 2020, , 1-22. | | 6 |
| 56 | New trends in the mechanisms of increasing productivity of mineral-based materials. Vestnik of Institute of Geology of Komi Science Center of Ural Branch RAS, 2017, 6, 40-42. | 0.2 | 6 |
| 57 | Modeling of Solid-Fluid non-catalytic Processes for Nickel Ion Removal. Revista De Chimie (discontinued), 2020, 71, 4-15. | 0.2 | 6 |
| 58 | Encapsulation of Saccharomyces pastorianus Residual Biomass in Calcium Alginate Matrix with Insights in Ethacridine Lactate Biosorption. Polymers, 2022, 14, 170. | 2.0 | 6 |
| 59 | Efficiency Evaluation for Titanium Dioxide-Based Advanced Materials in Water Treatment. Springer Proceedings in Earth and Environmental Sciences, 2019, , 255-258. | 0.2 | 5 |
| 60 | APPLICATION OF THERMAL ANALYSIS TO IMPROVE THE PREPARATION CONDITIONS OF ZEOLITIC MATERIALS FROM FLYING ASH. Environmental Engineering and Management Journal, 2021, 20, 377-388. | 0.2 | 5 |
| 61 | Retention of cesium from aqueous solutions using synthetic zeolites produced from power plant ash. Journal of Radioanalytical and Nuclear Chemistry, 2016, 309, 589. | 0.7 | 4 |
| 62 | Influence of Different Additions on Frost-Thaw and Chemical Resistance of Polymer Concrete. Advanced Science Letters, 2013, 19, 455-459. | 0.2 | 4 |
| 63 | PHOTODEGRADATION OF RHODAMINE 6G IN PRESENCE OF Ag/TiO2 PHOTOCATALYST. , 2018, , . | | 4 |
| 64 | CaCO3 CONTROLLABLE SYNTHESIS BY DOUBLE EXCHANGE METHOD USING CaCl2 RESIDUAL SOLUTIONS. Environmental Engineering and Management Journal, 2010, 9, 1571-1577. | 0.2 | 4 |
| 65 | Obtaining and Utilizing Cellulose Fibers with in-Situ Loading as an Additive for Printing Paper. Materials, 2013, 6, 4532-4544. | 1.3 | 3 |
| 66 | Investigation on hydroxyapatite coatings formation on titanium surface. IOP Conference Series: Materials Science and Engineering, 0, 444, 032007. | 0.3 | 3 |
| 67 | NEW ADSORBENT MATERIALS ON THE BASE OF ASH AND LIME FOR LEAD REMOVAL. , 2017, , . | | 2 |
| 68 | HOMOGENEOUS AREAS DELIMITATION BY CONSIDERING THE ENERGY DEMAND FOR PLANTS GROWING IN COVERED SPACES. Environmental Engineering and Management Journal, 2012, 11, 253-257. | 0.2 | 2 |
| 69 | TiO2/Fly Ash Nanocomposite for Photodegradation of Organic Pollutant. , 2020, , 1-24. | | 2 |
| 70 | INFLUENCE OF ETHYLENEDIAMINE CONTENT OVER PERFORMANCE OF CO2 ABSORPTION INTO POTASSIUM CARBONATE SOLUTIONS. Environmental Engineering and Management Journal, 2021, 20, 507-516. | 0.2 | 2 |
| 71 | An Overview on Assistive Technology Training Courses for Salespersons. Applied Mechanics and Materials, 0, 659, 585-588. | 0.2 | 1 |
| 72 | New Approaches in Modeling and Simulation of CO2 Absorption Reactor by Activated Potassium Carbonate Solution. Processes, 2019, 7, 78. | 1.3 | 1 |

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|---|---|---|---|
| 73 | ASYMMETRIC CELLULOSE ACETATE MEMBRANES USED IN SEPARATION APPLICATIONS. Journal of Applied Life Sciences and Environment, 2021, 185, 70-76. | 0.1 | 1 |
| 74 | SYNTHESIS OF ZnO/CuO NANOCOMPOSITES WITH CNF AND Ag BY GEL SOL. , 2018, , . | | 1 |
| 75 | EFFECTIVENESS FACTOR APPROACH FOR CHEMICAL ABSORPTION PROCESS. Environmental Engineering and Management Journal, 2018, 17, 813-820. | 0.2 | 1 |
| 76 | Analcime-bearing rocks as advanced sorbents. Ã‰pÃŧÅ‘anyag: Journal of Silicate Based and Composite Materials, 2020, 72, 156-164. | 0.0 | 1 |
| 77 | Excellent ambient oxidation and mineralization of an emerging water pollutant using Pd-doped TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /> <mml:mn>2</mml:mn> </mml:msub></mml:math> photocatalyst and UV-A irradiation. Comptes Rendus Chimie, 2022, 25, 203-215. | 0.2 | 1 |
| 78 | Use of the Information Concerning the Products Manufacturing in Innovative Learning and Education Programme for Health Care Sector. Applied Mechanics and Materials, 2015, 809-810, 1547-1552. | 0.2 | 0 |
| 79 | Power plant wastes capitalization as geopolymeric building materials. E3S Web of Conferences, 2017, 22, 00031. | 0.2 | 0 |
| 80 | Biogeosorbents for solving ecological problems. IOP Conference Series: Materials Science and Engineering, 2019, 613, 012042. | 0.3 | 0 |
| 81 | Eco-friendly Nano-adsorbents for Pollutant Removal from Wastewaters. , 2021, , 2225-2246. | | 0 |
| 82 | TiO2/Fly Ash Nanocomposite for Photodegradation of Organic Pollutant. , 2021, , 3051-3074. | | 0 |
| 83 | PACKED COLUMN SIMULATION FOR CO2 CHEMISORPTION IN ACTIVATED SOLUTIONS. Environmental Engineering and Management Journal, 2020, 19, 325-333. | 0.2 | 0 |
| 84 | KINETIC STUDY FOR CONGO RED DYE ADSORPTION FROM WASTEWATER. International Symposium the Environmental and the Industry, 2020, , 28-29. | 0.0 | 0 |