

# Maria Harja

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7253532/maria-harja-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79  
papers

848  
citations

16  
h-index

25  
g-index

85  
ext. papers

1,064  
ext. citations

2.2  
avg, IF

4.97  
L-index

#	Paper	IF	Citations
79	Using Fly Ash Wastes for the Development of New Building Materials with Improved Compressive Strength.. <i>Materials</i> , <b>2022</b> , 15,	3.5	2
78	Production and characterization of natural clay-free green building brick materials using water treatment sludge and oak wood ash. <i>Archives of Civil and Mechanical Engineering</i> , <b>2022</b> , 22, 1	3.4	2
77	Excellent ambient oxidation and mineralization of an emerging water pollutant using Pd-doped TiO <sub>2</sub> photocatalyst and UV-A irradiation. <i>Comptes Rendus Chimie</i> , <b>2022</b> , 25, 1-13	2.7	0
76	Recent advances in removal of Congo Red dye by adsorption using an industrial waste.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6087	4.9	7
75	INFLUENCE OF ETHYLENEDIAMINE CONTENT OVER PERFORMANCE OF CO <sub>2</sub> ABSORPTION INTO POTASSIUM CARBONATE SOLUTIONS. <i>Environmental Engineering and Management Journal</i> , <b>2021</b> , 20, 507-516	0.6	1
74	APPLICATION OF THERMAL ANALYSIS TO IMPROVE THE PREPARATION CONDITIONS OF ZEOLITIC MATERIALS FROM FLYING ASH. <i>Environmental Engineering and Management Journal</i> , <b>2021</b> , 20, 377-388	0.6	3
73	TiO <sub>2</sub> Doped with Noble Metals as an Efficient Solution for the Photodegradation of Hazardous Organic Water Pollutants at Ambient Conditions. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 19	3	14
72	Removal of Toxic Copper Ion from Aqueous Media by Adsorption on Fly Ash-Derived Zeolites: Kinetic and Equilibrium Studies. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3
71	FLY ASH MAGNETIC ADSORBENT FOR CADMIUM ION REMOVAL FROM AN AQUEOUS SOLUTION. <i>Journal of Applied Life Sciences and Environment</i> , <b>2021</b> , 185, 42-50		1
70	ASYMMETRIC CELLULOSE ACETATE MEMBRANES USED IN SEPARATION APPLICATIONS. <i>Journal of Applied Life Sciences and Environment</i> , <b>2021</b> , 185, 70-76		0
69	Performance assessment of five adsorbents based on fly ash for removal of cadmium ions. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 333, 115932	6	17
68	Adsorption Performance of Modified Fly Ash for Copper Ion Removal from Aqueous Solution. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 207	3	15
67	Eco-friendly Nano-adsorbents for Pollutant Removal from Wastewaters <b>2021</b> , 2225-2246		
66	Magnetic Solid-Phase Extraction of Cadmium Ions by Hybrid Self-Assembled Multicore Type Nanobeads. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3
65	Application of /Calcium Alginate Composite Beads for Cephalexin Antibiotic Biosorption from Aqueous Solutions. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
64	New construction materials synthesized from water treatment sludge and fired clay brick wastes. <i>Journal of Building Engineering</i> , <b>2021</b> , 42, 102471	5.2	8
63	TiO <sub>2</sub> /Fly Ash Nanocomposite for Photodegradation of Organic Pollutant <b>2021</b> , 3051-3074		

62	PACKED COLUMN SIMULATION FOR CO <sub>2</sub> CHEMISORPTION IN ACTIVATED SOLUTIONS. <i>Environmental Engineering and Management Journal</i> , <b>2020</b> , 19, 325-333	0.6	
61	KINETIC STUDY FOR CONGO RED DYE ADSORPTION FROM WASTEWATER. <i>International Symposium the Environmental and the Industry</i> , <b>2020</b> , 28-29	0	
60	Fly Ash Coated with Magnetic Materials: Improved Adsorbent for Cu (II) Removal from Wastewater. <i>Materials</i> , <b>2020</b> , 14,	3.5	14
59	Modeling of Solid-Fluid non-catalytic Processes for Nickel Ion Removal. <i>Revista De Chimie (discontinued)</i> , <b>2020</b> , 71, 4-15	1.8	5
58	New Materials Synthesized by Sulfuric Acid Attack Over Power Plant Fly Ash. <i>Revista De Chimie (discontinued)</i> , <b>2020</b> , 71, 48-58	1.8	6
57	Doping Titanium Dioxide with Palladium for Enhancing the Photocatalytic Decontamination and Mineralization of a Refractory Water Pollutant. <i>Revista De Chimie (discontinued)</i> , <b>2020</b> , 71, 145-152	1.8	8
56	TiO <sub>2</sub> /Fly Ash Nanocomposite for Photodegradation of Organic Pollutant <b>2020</b> , 1-24		0
55	Eco-friendly Nano-adsorbents for Pollutant Removal from Wastewaters <b>2020</b> , 1-22		4
54	Effects of In-Situ Filler Loading vs. Conventional Filler and the Use of Retention-Related Additives on Properties of Paper. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
53	Zn/La Mixed Oxides Prepared by Coprecipitation: Synthesis, Characterization and Photocatalytic Studies. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
52	Eco-Friendly Materials Obtained by Fly Ash Sulphuric Activation for Cadmium Ions Removal. <i>Materials</i> , <b>2020</b> , 13,	3.5	8
51	Preparation and Properties of Ceramic Materials from Coal Fly Ash. <i>Springer Proceedings in Earth and Environmental Sciences</i> , <b>2020</b> , 101-107	0.2	4
50	New Approaches in Modeling and Simulation of CO <sub>2</sub> Absorption Reactor by Activated Potassium Carbonate Solution. <i>Processes</i> , <b>2019</b> , 7, 78	2.9	1
49	Cerium-doped hydroxyapatite/collagen coatings on titanium for bone implants. <i>Ceramics International</i> , <b>2019</b> , 45, 2852-2857	5.1	55
48	Clay- and zeolite-based biogeosorbents: modelling and properties. <i>Polymeryag: Journal of Silicate Based and Composite Materials</i> , <b>2019</b> , 71, 131-137	1.2	9
47	NEW TiO <sub>2</sub> -Ag NANOPARTICLES USED FOR ORGANIC COMPOUNDS DEGRADATION. <i>Environmental Engineering and Management Journal</i> , <b>2019</b> , 18, 1755-1763	0.6	7
46	Efficiency Evaluation for Titanium Dioxide-Based Advanced Materials in Water Treatment. <i>Springer Proceedings in Earth and Environmental Sciences</i> , <b>2019</b> , 255-258	0.2	5
45	Biogeosorbents for solving ecological problems. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 613, 012042	0.4	

44	Bismuth-Doped Nanohydroxyapatite Coatings on Titanium Implants for Improved Radiopacity and Antimicrobial Activity. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	6
43	Studies on adsorption of oxytetracycline from aqueous solutions onto hydroxyapatite. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 36-43	10.2	98
42	Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 119, 23-35	5.5	29
41	PHOTODEGRADATION OF RHODAMINE 6G IN PRESENCE OF Ag/TiO <sub>2</sub> PHOTOCATALYST <b>2018</b> ,		4
40	EFFECTIVENESS FACTOR APPROACH FOR CHEMICAL ABSORPTION PROCESS. <i>Environmental Engineering and Management Journal</i> , <b>2018</b> , 17, 813-820	0.6	1
39	PREPARATION AND CHARACTERIZATION OF NANOCOMPOSITE MATERIAL BASED ON TiO <sub>2</sub> -Ag FOR ENVIRONMENTAL APPLICATIONS. <i>Environmental Engineering and Management Journal</i> , <b>2018</b> , 17, 925-936	0.6	7
38	Investigation on hydroxyapatite coatings formation on titanium surface. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 444, 032007	0.4	2
37	Power plant wastes capitalization as geopolymeric building materials. <i>E3S Web of Conferences</i> , <b>2017</b> , 22, 00031	0.5	
36	Removal of oxytetracycline from aqueous solutions by hydroxyapatite as a low-cost adsorbent. <i>E3S Web of Conferences</i> , <b>2017</b> , 22, 00062	0.5	6
35	New trends in the mechanisms of increasing productivity of mineral-based materials. <i>Vestnik of Institute of Geology of Komi Science Center of Ural Branch RAS</i> , <b>2017</b> , 6, 40-42	0.9	5
34	NEW ADSORBENT MATERIALS ON THE BASE OF ASH AND LIME FOR LEAD REMOVAL <b>2017</b> ,		2
33	ASSESSMENT OF GROUNDWATER AND SURFACE WATER CONTAMINATION BY LANDFILL LEACHATE: A CASE STUDY IN NEAMT COUNTY, ROMANIA. <i>Environmental Engineering and Management Journal</i> , <b>2017</b> , 16, 633-641	0.6	7
32	Retention of barium and europium radionuclides from aqueous solutions on ash-based sorbents by application of radiochemical techniques. <i>Applied Radiation and Isotopes</i> , <b>2016</b> , 116, 102-9	1.7	17
31	Removal of Zn(II) ions from aqueous media on thermal activated sawdust. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 21904-21915		12
30	Synthesis of Zeolite from Fly Ash and their Use as Soil Amendment <b>2016</b> ,		8
29	Kinetic and equilibrium studies on adsorption of Reactive Blue 19 dye from aqueous solutions by nanohydroxyapatite adsorbent. <i>Archives of Environmental Protection</i> , <b>2016</b> , 42, 3-11		31
28	Removal of cadmium(II) from aqueous solution by adsorption onto modified algae and ash. <i>Korean Journal of Chemical Engineering</i> , <b>2015</b> , 32, 1804-1811	2.8	33
27	A low-cost sorbent for removal of copper ions from wastewaters based on sawdust/fly ash mixture. <i>International Journal of Environmental Science and Technology</i> , <b>2015</b> , 12, 1799-1810	3.3	20

26	Retention of cesium from aqueous solutions using synthetic zeolites produced from power plant ash. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2015</b> , 309, 589	1.5	1
25	Use of the Information Concerning the Products Manufacturing in Innovative Learning and Education Programme for Health Care Sector. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 809-810, 1547-1552 <sup>9,3</sup>		
24	A NEW STRATEGY FOR PENTACHLOROPHENOL MONITORING IN WATER SAMPLES USING ULTRA-HIGH PERFORMANCE LIQUID CHROMATOGRAPHY - MASS SPECTROMETRY TANDEM. <i>Environmental Engineering and Management Journal</i> , <b>2015</b> , 14, 567-574	0.6	9
23	Uranium removal from aqueous solutions by raw and modified thermal power plant ash. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2014</b> , 299, 381-386	1.5	23
22	Removal of Astrazone Blue from aqueous solutions onto brown peat. Equilibrium and kinetics studies. <i>Korean Journal of Chemical Engineering</i> , <b>2014</b> , 31, 1008-1015	2.8	11
21	Acid Black 172 dye adsorption from aqueous solution by hydroxyapatite as low-cost adsorbent. <i>Korean Journal of Chemical Engineering</i> , <b>2014</b> , 31, 1021-1027	2.8	27
20	Neuro-evolutionary optimization methodology applied to the synthesis process of ash based adsorbents. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 597-604	6.3	13
19	New materials synthesized from ash under moderate conditions for removal of toxic and radioactive metals. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2014</b> , 303, 2303	1.5	7
18	An Overview on Assistive Technology Training Courses for Salespersons. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 659, 585-588	0.3	1
17	Removal of heavy metal ions from aqueous solutions using low-cost sorbents obtained from ash. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	22
16	Prediction of properties of polymer concrete composite with tire rubber using neural networks. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2013</b> , 178, 1259-1267 <sup>3,1</sup>		20
15	Behaviour of short polymer-high strength concrete columns under eccentric compression. <i>Archives of Civil and Mechanical Engineering</i> , <b>2013</b> , 13, 119-127	3.4	5
14	Obtaining and Utilizing Cellulose Fibers with Loading as an Additive for Printing Paper. <i>Materials</i> , <b>2013</b> , 6, 4532-4544	3.5	3
13	Influence of Different Additions on Frost-Thaw and Chemical Resistance of Polymer Concrete. <i>Advanced Science Letters</i> , <b>2013</b> , 19, 455-459	0.1	3
12	Removal of Reactive Blue 204 Dye from Aqueous Solutions by Adsorption Onto Nanohydroxyapatite. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 1090-1096	2.3	19
11	Using Neural Networks for Prediction of Properties of Polymer Concrete with Fly Ash. <i>Journal of Materials in Civil Engineering</i> , <b>2012</b> , 24, 523-528	3	27
10	Low cost adsorbents obtained from ash for copper removal. <i>Korean Journal of Chemical Engineering</i> , <b>2012</b> , 29, 1735-1744	2.8	29
9	HOMOGENEOUS AREAS DELIMITATION BY CONSIDERING THE ENERGY DEMAND FOR PLANTS GROWING IN COVERED SPACES. <i>Environmental Engineering and Management Journal</i> , <b>2012</b> , 11, 253-257 <sup>0.6</sup>		1

8	IMPROVING SOIL QUALITY BY ADDING MODIFIED ASH. <i>Environmental Engineering and Management Journal</i> , <b>2012</b> , 11, 297-305	0.6	4
7	SIMULTANEOUS REMOVAL OF ASTRAZONE BLUE AND LEAD ONTO LOW COST ADSORBENTS BASED ON POWER PLANT ASH. <i>Environmental Engineering and Management Journal</i> , <b>2011</b> , 10, 341-347	0.6	12
6	Comparison of Mechanical Properties for Polymer Concrete with Different Types of Filler. <i>Journal of Materials in Civil Engineering</i> , <b>2010</b> , 22, 696-701	3	52
5	CaCO <sub>3</sub> CONTROLLABLE SYNTHESIS BY DOUBLE EXCHANGE METHOD USING CaCl <sub>2</sub> RESIDUAL SOLUTIONS. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 1571-1577	0.6	4
4	STUDY OF MORPHOLOGY FOR GEOPOLYMER MATERIALS OBTAINED FROM FLY ASH. <i>Environmental Engineering and Management Journal</i> , <b>2009</b> , 8, 1021-1027	0.6	9
3	WASTES USED IN OBTAINING POLYMER COMPOSITE. <i>Environmental Engineering and Management Journal</i> , <b>2009</b> , 8, 1145-1150	0.6	13
2	UTILIZATION OF COAL FLY ASH FROM POWER PLANTS - I. ASH CHARACTERIZATION. <i>Environmental Engineering and Management Journal</i> , <b>2008</b> , 7, 289-293	0.6	14
1	Obtaining and Characterization of the Polymer Concrete with Fly Ash. <i>Journal of Applied Sciences</i> , <b>2008</b> , 9, 88-96	0.3	14