

Patryk Kot

List of Publications by Citations

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

62

papers

1,739

citations

23

h-index

41

g-index

65

ext. papers

2,145

ext. citations

2.9

avg, IF

5.62

L-index

#	Paper	IF	Citations
62	Electrocoagulation as a green technology for phosphate removal from river water. <i>Separation and Purification Technology</i> , 2019 , 210, 135-144	8.3	141
61	An analyses of the status of landfill classification systems in developing countries: Sub Saharan Africa landfill experiences. <i>Waste Management</i> , 2019 , 87, 761-771	8.6	101
60	Energy efficient electrocoagulation using baffle-plates electrodes for efficient Escherichia coli removal from wastewater. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101079	6.7	90
59	Escherichia coli inactivation using a hybrid ultrasonic-electrocoagulation reactor. <i>Chemosphere</i> , 2020 , 247, 125868	8.4	82
58	A Method for Predicting Long-Term Municipal Water Demands Under Climate Change. <i>Water Resources Management</i> , 2020 , 34, 1265-1279	3.7	82
57	Urban Water Demand Prediction for a City That Suffers from Climate Change and Population Growth: Gauteng Province Case Study. <i>Water (Switzerland)</i> , 2020 , 12, 1885	3	82
56	Estimating solid waste generation by hospitality industry during major festivals: A quantification model based on multiple regression. <i>Waste Management</i> , 2018 , 77, 388-400	8.6	77
55	Water purification from metal ions in the presence of organic matter using electromagnetic radiation-assisted treatment. <i>Journal of Cleaner Production</i> , 2021 , 280, 124427	10.3	69
54	Assessment of heavy metal pollution in the Great Al-Mussaib irrigation channel168, 165-174		67
53	Statistical modelling of turbidity removal applied to non-toxic natural coagulants in water treatment: a case study150, 406-412		66
52	Novel Electromagnetic Sensors Embedded in Reinforced Concrete Beams for Crack Detection. <i>Sensors</i> , 2019 , 19,	3.8	66
51	Hybridised Artificial Neural Network Model with Slime Mould Algorithm: A Novel Methodology for Prediction of Urban Stochastic Water Demand. <i>Water (Switzerland)</i> , 2020 , 12, 2692	3	65
50	A First Implementation of Underwater Communications in Raw Water Using the 433 MHz Frequency Combined with a Bowtie Antenna. <i>Sensors</i> , 2019 , 19,	3.8	64
49	Removal of phosphate from River water using a new baffle plates electrochemical reactor. <i>MethodsX</i> , 2018 , 5, 1413-1418	1.9	59
48	Embedded Smart Antenna for Non-Destructive Testing and Evaluation (NDT&E) of Moisture Content and Deterioration in Concrete. <i>Sensors</i> , 2019 , 19,	3.8	54
47	Future of clay-based construction materials [A review. <i>Construction and Building Materials</i> , 2019 , 210, 172-187	6.7	54
46	A Novel Methodology for Prediction Urban Water Demand by Wavelet Denoising and Adaptive Neuro-Fuzzy Inference System Approach. <i>Water (Switzerland)</i> , 2020 , 12, 1628	3	54

45	Recent Advancements in Non-Destructive Testing Techniques for Structural Health Monitoring. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2750	2.6	38
44	Continuous-flow electrocoagulation (EC) process for iron removal from water: Experimental, statistical and economic study. <i>Science of the Total Environment</i> , 2021 , 760, 143417	10.2	38
43	Effect of initial pH value on the removal of reactive black dye from water by electrocoagulation (EC) method. <i>Journal of Physics: Conference Series</i> , 2019 , 1294, 072017	0.3	28
42	Natural filtration unit for removal of heavy metals from water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 888, 012034	0.4	27
41	Ultrasonic-Electrocoagulation method for nitrate removal from water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 888, 012073	0.4	26
40	A Novel Gesomin Detection Method Based on Microwave Spectroscopy 2019 ,		24
39	Improving biodiesel yield of animal waste fats by combination of a pre-treatment technique and microwave technology. <i>Renewable Energy</i> , 2019 , 142, 535-542	8.1	23
38	Investigating municipal solid waste management system performance during the ArbaEen event in the city of Kerbala, Iraq. <i>Environment, Development and Sustainability</i> , 2020 , 22, 1431-1454	4.5	21
37	Zeolite-assisted electrocoagulation for remediation of phosphate from calcium-phosphate solution. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 888, 012031	0.4	20
36	Cost-effective hybrid filter for remediation of water from fluoride. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 888, 012038	0.4	18
35	The application of electromagnetic waves in monitoring water infiltration on concrete flat roof: The case of Malaysia. <i>Construction and Building Materials</i> , 2016 , 122, 435-445	6.7	18
34	Review of Methods for Documentation, Management, and Sustainability of Cultural Heritage. Case Study: Museum of King Jan III Palace at Wilanów. <i>Sustainability</i> , 2019 , 11, 7046	3.6	17
33	Phosphate removal from water using bottom ash: adsorption performance, coexisting anions and modelling studies. <i>Water Science and Technology</i> , 2021 , 83, 77-89	2.2	16
32	Turbidity removal using natural coagulants derived from the seeds of strychnos potatorum: statistical and experimental approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 888, 012064	0.4	15
31	Removal of organic matter from water using ultrasonic-assisted electrocoagulation method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 888, 012033	0.4	15
30	Using LARS WG model for prediction of temperature in Columbia City, USA. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 584, 012026	0.4	15
29	Removal of iron from wastewater using a hybrid filter. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 888, 012035	0.4	13
28	A Non-Destructive Electromagnetic Sensing Technique to Determine Chloride Level in Maritime Concrete. <i>Karbala International Journal of Modern Science</i> , 2021 , 7,	4.6	13

27	An Implementation of a Multi-Hop Underwater Wireless Sensor Network using Bowtie Antenna. <i>Karbala International Journal of Modern Science</i> , 2021 , 7,	4.6	12
26	Short-Term Water Demand Prediction in Residential Complexes: Case Study in Columbia City, USA 2018 ,		10
25	Decolourization of dye solutions by electrocoagulation: an investigation of the effect of operational parameters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 584, 012024	0.4	9
24	The Quality Assessment of Different Geolocalisation Methods for a Sensor System to Monitor Structural Health of Monumental Objects. <i>Sensors</i> , 2020 , 20,	3.8	8
23	The Feasibility of Using Electromagnetic Waves in Determining Membrane Failure Through Concrete. <i>International Journal of Civil Engineering</i> , 2017 , 15, 355-362	1.9	8
22	Design and implementation of a non-invasive real-time microwave sensor for assessing water hardness in heat exchangers. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 797-811	1.3	7
21	Benchmarking of the Current Solid Waste Management System in Karbala, Iraq, Using Wasteaware Benchmark Indicators 2018 ,		4
20	Ultrasonic-electrochemical treatment for effluents of concrete plants. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 888, 012063	0.4	3
19	An experimental study for adapting electrocoagulation as a technique for fluoride removal from water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1058, 012012	0.4	3
18	2018 ,		3
17	The feasibility of electromagnetic waves in determining the moisture content of concrete blocks 2015 ,		2
16	Preliminary Studies of Methylene Blue Remotion from Aqueous Solutions by <i>Ocimum basilicum</i> . <i>Environments - MDPI</i> , 2022 , 9, 17	3.2	2
15	The feasibility of using electromagnetic waves in determining the moisture content of building fabrics and the cause of the water ingress. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 7, 1-5	0.4	2
14	Review of Medical Simulation Training for Endovascular Thrombectomy 2019 ,		2
13	Identification of Optimal Frequencies to Determine Alpha-Cypermethrin Using Machine Learning Feature Selection Techniques 2018 ,		2
12	How can sensors be used for sustainability improvement? 2021 , 321-344		1
11	Agri-food wastes for heavy metals removal from water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1058, 012020	0.4	1
10	Requirements of an Underwater Sensor-Networking Platform for Environmental Monitoring 2018 ,		1

9	Development of New Precursors for One-Part Alkali-Activated Geopolymer Using Industrial Wastes. <i>Lecture Notes in Civil Engineering</i> , 2020 , 115-123	0.3	o
8	Copper removal from water using carbonized sawdust. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1058, 012015	0.4	o
7	Production of Ultra-High-Performance Concrete with Low Energy Consumption and Carbon Footprint Using Supplementary Cementitious Materials Instead of Silica Fume: A Review. <i>Energies</i> , 2021 , 14, 8291	3.1	o
6	Real-Time Detection of Plastic Shards in Cheese Using Microwave-Sensing Technique. <i>Proceedings (mdpi)</i> , 2020 , 42, 54	0.3	
5	Modular Multi-Channel GPS Environmental Logger. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 7, 1-5	0.4	
4	Phosphate removal from water using low-cost dolomite filters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1058, 012017	0.4	
3	Denitrification of water using a low-cost adsorbent. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1058, 012021	0.4	
2	Simulating a Stochastic Signal of Urban Water Demand by a Novel Combination of Data Analytic and Machine Learning Techniques. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1058, 012066	0.4	
1	Optimization of electrochemical removal of metal pollution from aqueous solution. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1058, 012022	0.4	