

# Patryk Kot

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/251846/publications.pdf>

Version: 2024-02-01

65  
papers

2,472  
citations

236912

25  
h-index

223791

46  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1045  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocoagulation as a green technology for phosphate removal from river water. Separation and Purification Technology, 2019, 210, 135-144.	7.9	184
2	An analyses of the status of landfill classification systems in developing countries: Sub Saharan Africa landfill experiences. Waste Management, 2019, 87, 761-771.	7.4	148
3	Urban Water Demand Prediction for a City That Suffers from Climate Change and Population Growth: Gauteng Province Case Study. Water (Switzerland), 2020, 12, 1885.	2.7	125
4	Energy efficient electrocoagulation using baffle-plates electrodes for efficient Escherichia coli removal from wastewater. Journal of Water Process Engineering, 2020, 33, 101079.	5.6	107
5	A Method for Predicting Long-Term Municipal Water Demands Under Climate Change. Water Resources Management, 2020, 34, 1265-1279.	3.9	106
6	Estimating solid waste generation by hospitality industry during major festivals: A quantification model based on multiple regression. Waste Management, 2018, 77, 388-400.	7.4	105
7	Hybridised Artificial Neural Network Model with Slime Mould Algorithm: A Novel Methodology for Prediction of Urban Stochastic Water Demand. Water (Switzerland), 2020, 12, 2692.	2.7	102
8	Recent Advancements in Non-Destructive Testing Techniques for Structural Health Monitoring. Applied Sciences (Switzerland), 2021, 11, 2750.	2.5	101
9	Future of clay-based construction materials – A review. Construction and Building Materials, 2019, 210, 172-187.	7.2	100
10	Escherichia coli inactivation using a hybrid ultrasonic-electrocoagulation reactor. Chemosphere, 2020, 247, 125868.	8.2	97
11	Water purification from metal ions in the presence of organic matter using electromagnetic radiation-assisted treatment. Journal of Cleaner Production, 2021, 280, 124427.	9.3	87
12	Novel Electromagnetic Sensors Embedded in Reinforced Concrete Beams for Crack Detection. Sensors, 2019, 19, 5175.	3.8	81
13	A Novel Methodology for Prediction Urban Water Demand by Wavelet Denoising and Adaptive Neuro-Fuzzy Inference System Approach. Water (Switzerland), 2020, 12, 1628.	2.7	76
14	A First Implementation of Underwater Communications in Raw Water Using the 433 MHz Frequency Combined with a Bowtie Antenna. Sensors, 2019, 19, 1813.	3.8	75
15	Assessment of heavy metal pollution in the Great Al-Mussaib irrigation channel. , 0, 168, 165-174.		73
16	Statistical modelling of turbidity removal applied to non-toxic natural coagulants in water treatment: a case study. , 0, 150, 406-412.		72
17	Removal of phosphate from River water using a new baffle plates electrochemical reactor. MethodsX, 2018, 5, 1413-1418.	1.6	68
18	Embedded Smart Antenna for Non-Destructive Testing and Evaluation (NDT&E) of Moisture Content and Deterioration in Concrete. Sensors, 2019, 19, 547.	3.8	68

#	ARTICLE	IF	CITATIONS
19	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.	8.0	65
20	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.	0.4	43
21	Review of Methods for Documentation, Management, and Sustainability of Cultural Heritage. Case Study: Museum of King Jan III's Palace at Wilanów. <i>Sustainability</i> , 2019, 11, 7046.	3.2	43
22	Phosphate removal from water using bottom ash: adsorption performance, coexisting anions and modelling studies. <i>Water Science and Technology</i> , 2021, 83, 77-89.	2.5	43
23	Natural filtration unit for removal of heavy metals from water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 888, 012034.	0.6	40
24	Ultrasonic-Electrocoagulation method for nitrate removal from water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 888, 012073.	0.6	38
25	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.	8.9	29
26	A Novel Gesomin Detection Method Based on Microwave Spectroscopy. , 2019, , .		28
27	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.	5.0	27
28	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.	7.2	26
29	Zeolite-assisted electrocoagulation for remediation of phosphate from calcium-phosphate solution. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 888, 012031.	0.6	25
30	Turbidity removal using natural coagulants derived from the seeds of <i>strychnos potatorum</i> : statistical and experimental approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 888, 012064.	0.6	25
31	Cost-effective hybrid filter for remediation of water from fluoride. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 888, 012038.	0.6	22
32	Using LARS-WG model for prediction of temperature in Columbia City, USA. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 584, 012026.	0.6	20
33	A Non-Destructive Electromagnetic Sensing Technique to Determine Chloride Level in Maritime Concrete. <i>Karbala International Journal of Modern Science</i> , 2021, 7, .	1.0	20
34	Removal of organic matter from water using ultrasonic-assisted electrocoagulation method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 888, 012033.	0.6	19
35	Decolourization of dye solutions by electrocoagulation: an investigation of the effect of operational parameters. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 584, 012024.	0.6	18
36	An Implementation of a Multi-Hop Underwater Wireless Sensor Network using Bowtie Antenna. <i>Karbala International Journal of Modern Science</i> , 2021, 7, .	1.0	18

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37	Removal of iron from wastewater using a hybrid filter. IOP Conference Series: Materials Science and Engineering, 2020, 888, 012035.	0.6	17
38	Production of Ultra-High-Performance Concrete with Low Energy Consumption and Carbon Footprint Using Supplementary Cementitious Materials Instead of Silica Fume: A Review. Energies, 2021, 14, 8291.	3.1	17
39	The Quality Assessment of Different Geolocalisation Methods for a Sensor System to Monitor Structural Health of Monumental Objects. Sensors, 2020, 20, 2915.	3.8	15
40	The Feasibility of Using Electromagnetic Waves in Determining Membrane Failure Through Concrete. International Journal of Civil Engineering, 2017, 15, 355-362.	2.0	13
41	Short-Term Water Demand Prediction in Residential Complexes: Case Study in Columbia City, USA. , 2018, , .		13
42	Preliminary Studies of Methylene Blue Remotion from Aqueous Solutions by Ocimum basilicum. Environments - MDPI, 2022, 9, 17.	3.3	11
43	Design and implementation of a non-invasive real-time microwave sensor for assessing water hardness in heat exchangers. Journal of Electromagnetic Waves and Applications, 2018, 32, 797-811.	1.6	10
44	Ultrasonic-electrochemical treatment for effluents of concrete plants. IOP Conference Series: Materials Science and Engineering, 2020, 888, 012063.	0.6	6
45	An experimental study for adapting electrocoagulation as a technique for fluoride removal from water. IOP Conference Series: Materials Science and Engineering, 2021, 1058, 012012.	0.6	6
46	Stair Fall Risk Detection Using Wearable Sensors. , 2018, , .		5
47	How can sensors be used for sustainability improvement?. , 2021, , 321-344.		5
48	The feasibility of electromagnetic waves in determining the moisture content of concrete blocks. , 2015, , .		4
49	Benchmarking of the Current Solid Waste Management System in Karbala, Iraq, Using Wasteaware Benchmark Indicators. , 2018, , .		4
50	Review of Surveying Devices for Structural Health Monitoring of Cultural Heritage Buildings. , 2019, , .		4
51	Identification of Optimal Frequencies to Determine Alpha-Cypermethrin Using Machine Learning Feature Selection Techniques. , 2018, , .		3
52	Review of Medical Simulation Training for Endovascular Thrombectomy. , 2019, , .		3
53	Requirements of an Underwater Sensor-Networking Platform for Environmental Monitoring. , 2018, , .		2
54	Agri-food wastes for heavy metals removal from water. IOP Conference Series: Materials Science and Engineering, 2021, 1058, 012020.	0.6	2

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55	Copper removal from water using carbonized sawdust. IOP Conference Series: Materials Science and Engineering, 2021, 1058, 012015.	0.6	2
56	The feasibility of using electromagnetic waves in determining the moisture content of building fabrics and the cause of the water ingress.. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 1-5.	0.7	2
57	Simulating a Stochastic Signal of Urban Water Demand by a Novel Combination of Data Analytic and Machine Learning Techniques. IOP Conference Series: Materials Science and Engineering, 2021, 1058, 012066.	0.6	1
58	Optimization of electrochemical removal of metal pollution from aqueous solution. IOP Conference Series: Materials Science and Engineering, 2021, 1058, 012022.	0.6	1
59	Development of New Precursors for One-Part Alkali-Activated Geopolymer Using Industrial Wastes. Lecture Notes in Civil Engineering, 2020, , 115-123.	0.4	1
60	The Integration of The Multi-Source Data for Multi-Temporal Investigation of Cultural Heritage Objects. , 2021, , .		1
61	Non-destructive Electromagnetic Wave Sensor for Hazardous Biological Materials. , 2019, , .		0
62	Real-Time Detection of Plastic Shards in Cheese Using Microwave-Sensing Technique. Proceedings (mdpi), 2019, 42, .	0.2	0
63	Phosphate removal from water using low-cost dolomite filters. IOP Conference Series: Materials Science and Engineering, 2021, 1058, 012017.	0.6	0
64	Denitrification of water using a low-cost adsorbent. IOP Conference Series: Materials Science and Engineering, 2021, 1058, 012021.	0.6	0
65	Modular Multi-Channel GPS Environmental Logger. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 1-5.	0.7	0