Hassan Basri

List of Publications by Year
in descending order

46 papers	2,651 citations	304743 22 h-index	330143 37 g-index
47 all docs	47 docs citations	47 times ranked	2863 citing authors

#	Article	IF	Citations
1	Lead (Pb) removal from contaminated water using constructed wetland planted with Scirpus grossus: Optimization using response surface methodology (RSM) and assessment of rhizobacterial addition. Chemosphere, 2022, 291, 132952.	8.2	12
2	Waste collection route optimisation model for linking cost saving and emission reduction to achieve sustainable development goals. Sustainable Cities and Society, 2020, 62, 102393.	10.4	73
3	Solid waste collection optimization objectives, constraints, modeling approaches, and their challenges toward achieving sustainable development goals. Journal of Cleaner Production, 2020, 277, 123557.	9.3	72
4	Automated sorting of recycled paper using smart image processing. Automatisierungstechnik, 2020, 68, 277-293.	0.8	2
5	Arsenic Resistance and Biosorption by Isolated Rhizobacteria from the Roots of <i>Ludwigia octovalvis</i>. International Journal of Microbiology, 2018, 2018, 1-10.	2.3	51
6	Backtracking search algorithm in CVRP models for efficient solid waste collection and route optimization. Waste Management, 2017, 61, 117-128.	7.4	119
7	Theoretical model and implementation of a real time intelligent bin status monitoring system using rule based decision algorithms. Expert Systems With Applications, 2016, 48, 76-88.	7.6	79
8	Content-based image retrieval system for solid waste bin level detection and performance evaluation. Waste Management, 2016, 50, 10-19.	7.4	29
9	Particle swarm optimization modeling for solid waste collection problem with constraints. , 2015, , .		8
10	SOLID WASTE GENERATION AND COLLECTION EFFICIENCIES: ISSUES AND CHALLENGES. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	5
11	A review on technologies and their usage in solid waste monitoring and management systems: Issues and challenges. Waste Management, 2015, 43, 509-523.	7.4	162
12	DNA computer based algorithm for recyclable waste paper segregation. Applied Soft Computing Journal, 2015, 31, 223-240.	7.2	6
13	Integrated Sensing Systems and Algorithms for Solid Waste Bin State Management Automation. IEEE Sensors Journal, 2015, 15, 561-567.	4.7	46
14	Integrating approach to size and site at a sanitary landfill in Selangor state, Malaysia. Environmental Engineering Research, 2015, 20, 268-276.	2.5	4
15	Phytotoxicity and Uptake of Arsenic by Ludwigia octovalvis in a Pilot Reed Bed System. Environmental Engineering Science, 2014, 31, 71-79.	1.6	10
16	Medium term municipal solid waste generation prediction by autoregressive integrated moving average. AIP Conference Proceedings, 2014, , .	0.4	7
17	RFID and communication technologies for an intelligent bus monitoring and management system. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 106-120.	1.4	4
18	Solid waste bin detection and classification using Dynamic Time Warping and MLP classifier. Waste Management, 2014, 34, 281-290.	7.4	57

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19	Arsenic Toxicity on Ludwigia octovalvis in Spiked Sand. Bulletin of Environmental Contamination and Toxicology, 2013, 90, 714-719.	2.7	8
20	An automated solid waste bin level detection system using Gabor wavelet filters and multi-layer perception. Resources, Conservation and Recycling, 2013, 72, 33-42.	10.8	36
21	Effect of applying rhizobacteria and fertilizer on the growth of Ludwigia octovalvis for arsenic uptake and accumulation in phytoremediation. Ecological Engineering, 2013, 58, 303-313.	3.6	38
22	Empirical gas emission and oxidation measurement at cover soil of dumping site: example from Malaysia. Environmental Monitoring and Assessment, 2013, 185, 4919-4932.	2.7	14
23	Phytoremediation of Wastewater Containing Lead (Pb) in Pilot Reed Bed Using <i>Scirpus Grossus</i>. International Journal of Phytoremediation, 2013, 15, 663-676.	3.1	30
24	Integrated sensing and communication technologies for automated solid waste bin monitoring system. , 2013, , .		4
25	Wireless Sensor Network Prototype for Solid Waste Bin Monitoring with Energy Efficient Sensing Algorithm. , 2013, , .		27
26	Investigation of Solid Waste Characterization, Composition and Generation Using Management of Environmental Systems in Zarqa, Jordan. Asian Journal of Chemistry, 2013, 25, 9523-9526.	0.3	8
27	Integrated Communication for Truck Monitoring in Solid Waste Collection Systems. Lecture Notes in Computer Science, 2013, , 70-80.	1.3	2
28	An automated solid waste bin level detection system using a gray level aura matrix. Waste Management, 2012, 32, 2229-2238.	7.4	52
29	Object identification using DNA computing algorithm. , 2012, , .		3
30	Methane and carbon dioxide emissions from Sungai Sedu open dumping during wet season in Malaysia. Ecological Engineering, 2012, 49, 254-263.	3.6	18
31	Solid waste bin level detection using gray level co-occurrence matrix feature extraction approach. Journal of Environmental Management, 2012, 104, 9-18.	7.8	70
32	Current Status of Municipal Solid Waste Generation in Malaysia. International Journal on Advanced Science, Engineering and Information Technology, 2012, 2, 129.	0.4	47
33	Arsenic Range Finding Phytotoxicity Test Against Ludwigia octovalvis as First Step in Phytoremediation. Research Journal of Environmental Toxicology, 2012, 6, 151-159.	1.0	5
34	Implementing GIS in Bus Identification and Monitoring System. , 2011, , .		6
35	Radio Frequency Identification (RFID) and communication technologies for solid waste bin and truck monitoring system. Waste Management, 2011, 31, 2406-2413.	7.4	113
36	Integrated technologies for solid waste bin monitoring system. Environmental Monitoring and Assessment, 2011, 177, 399-408.	2.7	75

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37	Improved Water Level Forecasting Performance by Using Optimal Steepness Coefficients in an Artificial Neural Network. Water Resources Management, 2011, 25, 2525-2541.	3.9	33
38	Intelligent computer vision system for segregating recyclable waste papers. Expert Systems With Applications, 2011, 38, 10398-10407.	7.6	26
39	Regional landfills methane emission inventory in Malaysia. Waste Management and Research, 2011, 29, 863-873.	3.9	40
40	Perception and expectation toward engineering graduates by employers: A UKM study case. , 2011, , .		2
41	A Review on Heavy Metals (As, Pb, and Hg) Uptake by Plants through Phytoremediation. International Journal of Chemical Engineering, 2011, 2011, 1-31.	2.4	1,125
42	UKM campus bus monitoring system using RFID and GIS. , 2010, , .		8
43	Solid waste monitoring system integration based on RFID, GPS and camera. , 2010, , .		27
44	Application of automated image analysis to the identification and extraction of recyclable plastic bottles. Journal of Zhejiang University: Science A, 2009, 10, 794-799.	2.4	29
45	Solid waste monitoring and management using RFID, GIS and GSM. , 2009, , .		44
46	UKM campus bus identification and monitoring using RFID and GIS. , 2009, , .		12