

# Ali Yuzir

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

1,143  
citations

430874

18  
h-index

477307

29  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the application of gasification and combustion technology and waste-to-energy technologies in sewage sludge treatment. <i>Fuel</i> , 2022, 316, 123199.	6.4	82
2	Influence of organic loading on the performance and microbial community structure of an anaerobic stage reactor treating pharmaceutical wastewater. <i>Desalination</i> , 2011, 271, 257-264.	8.2	76
3	Characterization of aerobic granular sludge treating high strength agro-based wastewater at different volumetric loadings. <i>Bioresource Technology</i> , 2013, 127, 181-187.	9.6	71
4	Global trends in environmental management system and ISO14001 research. <i>Journal of Cleaner Production</i> , 2018, 170, 645-653.	9.3	68
5	Parametric Assessment of Seasonal Drought Risk to Crop Production in Bangladesh. <i>Sustainability</i> , 2019, 11, 1442.	3.2	48
6	Various applications of aerobic granular sludge: A review. <i>Environmental Technology and Innovation</i> , 2020, 20, 101045.	6.1	45
7	Influence of palm oil mill effluent as inoculum on anaerobic digestion of cattle manure for biogas production. <i>Bioresource Technology</i> , 2013, 141, 174-176.	9.6	37
8	Recent Applications of the Electrocoagulation Process on Agro-Based Industrial Wastewater: A Review. <i>Sustainability</i> , 2022, 14, 1985.	3.2	32
9	Synthesis of Copper Oxide Nanowires-Activated Carbon (AC@CuO-NWs) and Applied for Removal Methylene Blue from Aqueous Solution: Kinetics, Isotherms, and Thermodynamics. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1658-1668.	3.7	30
10	Integration of microalgae biomass in biomethanation systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 1610-1622.	16.4	29
11	Assessment of changing pattern of crop water stress in Bangladesh. <i>Environment, Development and Sustainability</i> , 2020, 22, 4619-4637.	5.0	26
12	Potential of Microalgae in Bioremediation of Wastewater. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021, 16, 413-429.	1.1	26
13	A proposed aerobic granules size development scheme for aerobic granulation process. <i>Bioresource Technology</i> , 2015, 181, 291-296.	9.6	25
14	Indonesian Kaolin supported nZVI (IK-nZVI) used for the an efficient removal of Pb(II) from aqueous solutions: Kinetics, thermodynamics and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106483.	6.7	25
15	Synthesis and characterization of Cu(OH) <sub>2</sub> -NWs-PVA-AC Nano-composite and its use as an efficient adsorbent for removal of methylene blue. <i>Scientific Reports</i> , 2021, 11, 5686.	3.3	22
16	Pharmaceutical compounds in anaerobic digestion: A review on the removals and effect to the process performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105926.	6.7	22
17	Biological pre-treated oil palm mesocarp fibre with cattle manure for biogas production by anaerobic digestion during acclimatization phase. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 189-194.	3.9	21
18	Tolerance of the antibiotic Tylosin on treatment performance of an Up-flow Anaerobic Stage Reactor (UASR). <i>Water Science and Technology</i> , 2011, 63, 1599-1606.	2.5	20

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19	Removal efficiency of Gram-positive and Gram-negative bacteria using a natural coagulant during coagulation, flocculation, and sedimentation processes. <i>Water Science and Technology</i> , 2019, 80, 1787-1795.	2.5	20
20	Assessing the treatment of acetaminophen-contaminated brewery wastewater by an anaerobic packed-bed reactor. <i>Journal of Environmental Management</i> , 2016, 168, 273-279.	7.8	17
21	A brief review on biochemical oxygen demand (BOD) treatment methods for palm oil mill effluents (POME). <i>Environmental Technology and Innovation</i> , 2021, 21, 101258.	6.1	17
22	Rheological and fractal hydrodynamics of aerobic granules. <i>Bioresource Technology</i> , 2015, 186, 276-285.	9.6	16
23	Community responses on effective flood dissemination warnings—A case study of the December 2014 Kelantan Flood, Malaysia. <i>Journal of Flood Risk Management</i> , 2020, 13, .	3.3	16
24	Discovering future research trends of aerobic granular sludge using bibliometric approach. <i>Journal of Environmental Management</i> , 2022, 303, 114150.	7.8	16
25	The selectivity of electron acceptors for the removal of caffeine, gliclazide, and prazosin in an up-flow anaerobic sludge blanket (UASB) reactor. <i>Chemosphere</i> , 2022, 303, 134828.	8.2	16
26	Future trends and patterns in leachate biological treatment research from a bibliometric perspective. <i>Journal of Environmental Management</i> , 2022, 318, 115594.	7.8	16
27	Development and validation of a comprehensive solid-phase extraction method followed by LC-TOF/MS for the analysis of eighteen pharmaceuticals in influent and effluent of sewage treatment plants. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4829-4846.	3.7	15
28	Evaluating the organizational intention to implement an Environmental Management System: evidence from the Indonesian food and beverage industry. <i>Business Strategy and the Environment</i> , 2018, 27, 1385-1398.	14.3	14
29	Study of oil sorption behaviour of esterified oil palm empty fruit bunch (OPEFB) fibre and its kinetics and isotherm studies. <i>Environmental Technology and Innovation</i> , 2021, 22, 101397.	6.1	13
30	Adsorption of acid blue 25 from aqueous solution using zeolite and surfactant modified zeolite. , 0, 150, 348-360.		13
31	Impact of the herbicide (RS)-MCP on an anaerobic membrane bioreactor performance under different COD/nitrate ratios. <i>Bioresource Technology</i> , 2012, 109, 31-37.	9.6	12
32	Removal of Acid Blue25 from aqueous solutions using Bengal gram fruit shell (BGFS) biomass. <i>International Journal of Phytoremediation</i> , 2017, 19, 431-438.	3.1	12
33	Production of Bio-Coke from spent mushroom substrate for a sustainable solid fuel. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4095-4104.	4.6	12
34	Rapid Development of Microalgae-Bacteria Granular Sludge Using Low-Strength Domestic Wastewater. <i>Journal of Water and Environment Technology</i> , 2021, 19, 96-107.	0.7	12
35	Effect of organic loading rate (OLR) on the performance of modified anaerobic baffled reactor (MABR) supported by slanted baffles. , 0, 79, 56-63.		12
36	Flash flood susceptibility mapping in urban area using genetic algorithm and ensemble method. <i>Geocarto International</i> , 2022, 37, 10199-10228.	3.5	12

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37	Application of Box-Behnken design to mineralization and color removal of palm oil mill effluent by electrocoagulation process. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71741-71753.	5.3	11
38	Performance of an innovative multi-stage anaerobic reactor during start-up period. <i>African Journal of Biotechnology</i> , 2011, 10, 11294-11302.	0.6	10
39	Effect of Mecoprop (RS)-MCP on the biological treatment of synthetic wastewater in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2013, 133, 158-165.	9.6	10
40	Transportation of Different Therapeutic Classes of Pharmaceuticals to the Surface Water, Sewage Treatment Plant, and Hospital Samples, Malaysia. <i>Water (Switzerland)</i> , 2018, 10, 916.	2.7	10
41	Effect of organic loading rate on the performance of modified anaerobic baffled reactor treating landfill leachate containing heavy metals. <i>Materials Today: Proceedings</i> , 2021, 46, 1913-1921.	1.8	10
42	Cultivation of oyster mushroom ( <i>Pleurotus</i> spp.) on palm oil mesocarp fibre. <i>African Journal of Biotechnology</i> , 2011, 10, .	0.6	9
43	Influence of step increases in hydraulic retention time on (RS)-MCP degradation using an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2011, 102, 9456-9461.	9.6	9
44	The fate of prazosin and levonorgestrel after electrochemical degradation process: Monitoring by-products using LC-TOF/MS. <i>Journal of Environmental Sciences</i> , 2018, 74, 134-146.	6.1	9
45	Kaolin-nano scale zero-valent iron composite (K-nZVI): synthesis, characterization and application for heavy metal removal. , 0, 100, 168-177.		8
46	Landfill leachate treatment by an anaerobic process enhanced with recyclable uniform beads (RUB) of seaweed species of <i>Gracilaria</i> . , 0, 143, 208-216.		8
47	Elucidation and Characterization of New Chlorinated By-Products after Electrochemical Degradation of Hydrochlorothiazide Using Graphite/Poly Vinyl Chloride Electrode. <i>Catalysts</i> , 2018, 8, 540.	3.5	6
48	Optimizing Ammonia Removal from Landfill Leachate Using Natural and Synthetic Zeolite Through Statically Designed Experiment. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 3657-3669.	3.0	6
49	Occurrence and Distribution of 17 Targeted Human Pharmaceuticals in Various Aquatic Environmental Matrices in Southeast Asia with Particular Reference to Malaysia: A Comprehensive Review. <i>Journal of the Mexican Chemical Society</i> , 2021, 65, .	0.6	6
50	Full Factorial Experimental Design for Carbamazepine Removal Using Electrochemical Process: a Case Study of Scheming the Pathway Degradation. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	5
51	Enhancing methane production of palm oil mill effluent using two-stage domesticated shear-loop anaerobic contact stabilization system. <i>Journal of Cleaner Production</i> , 2018, 200, 971-981.	9.3	5
52	Addition of ferric chloride in anaerobic digesters to enhance sulphide removal and methanogenesis. , 0, 79, 64-72.		5
53	Performance of an up-flow anaerobic sludge bed (UASB) reactor for treating landfill leachate containing heavy metals and formaldehyde. , 0, 86, 51-58.		5
54	FABRICATION OF MIXED MATRIC MEMBRANE INCORPORATED WITH MODIFIED SILICA NANOPARTICLES FOR BISPHENOL A REMOVAL. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 74, .	0.4	4

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55	Multi-parametric modelling and kinetic sensitivity of microalgal cells. <i>Algal Research</i> , 2018, 32, 259-269.	4.6	4
56	Impact of hydraulic retention time on the performance and archaea populations of an anaerobic reactor treating synthetic Tylosin wastewater. <i>Desalination and Water Treatment</i> , 2014, 52, 3647-3653.	1.0	3
57	Optimization of methane production process from synthetic glucose feed in a multi-stage anaerobic bioreactor. <i>Desalination and Water Treatment</i> , 2016, 57, 29168-29177.	1.0	3
58	Impact of (RS)-MCPP herbicide and sulphate on the treatment performance, kinetics and microbial diversity of anaerobic membrane bioreactor. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5389-5395.	6.7	3
59	Determination of theobromine and caffeine in some Malaysian beverages by liquid chromatography-time-offlight mass spectrometry. <i>Tropical Journal of Pharmaceutical Research</i> , 2018, 17, 529.	0.3	3
60	Electro-transformation of mefenamic acid drug: a case study of kinetics, transformation products, and toxicity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10044-10056.	5.3	3
61	Effect of cetyltrimethylammonium bromide on the biosorption of Acid Blue 25 onto Bengal gram fruit shell. , 0, 150, 386-395.		3
62	Prediction of shear wave velocity in underground layers using Particle Swarm Optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 527, 012012.	0.6	2
63	Diatomite carrier for rapid formation of Aerobic Granular Sludge. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 479, 012028.	0.3	2
64	Application of carbon nanotubes and graphene to develop the heavy metal electrochemical sensor. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 479, 012036.	0.3	2
65	A review of climate change (floods) and economic attributes response to residential property value in Malaysia. <i>Journal of Water and Climate Change</i> , 2020, 11, 1084-1094.	2.9	2
66	Can anaerobic intermediate stages affect the biotransformation and sorption of pharmaceutical compounds?. , 0, 222, 313-321.		2
67	Removals of atenolol, gliclazide and prazosin using sequencing batch reactor. <i>Materials Today: Proceedings</i> , 2022, 65, 3007-3014.	1.8	2
68	Producing desulfurized biogas using two-stage domesticated shear-loop anaerobic contact stabilization system. <i>Waste Management</i> , 2018, 78, 770-780.	7.4	1
69	Anammox reactor treating low strength domestic wastewater: a review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 479, 012021.	0.3	1
70	Qualitative methods to identify potential strains for partial degradation of oil palm mesocarp fibre. , 0, , 280-286.		1
71	Electrochemical Degradation of Metoprolol Using Graphite-PVC Composite as Anode: Elucidation and Characterization of New by-products Using LC-TOF/MS. <i>Journal of the Mexican Chemical Society</i> , 2020, 64, .	0.6	1
72	Photocatalytic Removal of Malachite Green and Brilliant Blue Dyes from its Aqueous Solution: A Case Study of Factorial Experimental Design. <i>Journal of the Mexican Chemical Society</i> , 2021, 65, .	0.6	0

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73	Towards Sustainable Food Production: Exploring the Opportunities and Challenges in Indonesia. Advanced Science Letters, 2017, 23, 8505-8510.	0.2	0