

# Mohd Suffian Yusoff

## List of Publications by Year in descending order

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124  
papers

3,183  
citations

279701

23  
h-index

161767

54  
g-index

134  
all docs

134  
docs citations

134  
times ranked

2879  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trends in the use of Fenton, electro-Fenton and photo-Fenton for the treatment of landfill leachate. Waste Management, 2010, 30, 2113-2121.	3.7	381
2	Application of response surface methodology (RSM) for optimization of ammoniacal nitrogen removal from semi-aerobic landfill leachate using ion exchange resin. Desalination, 2010, 254, 154-161.	4.0	265
3	Leachate characterization in semi-aerobic and anaerobic sanitary landfills: A comparative study. Journal of Environmental Management, 2010, 91, 2608-2614.	3.8	216
4	Optimization of preparation conditions for activated carbon from banana pseudo-stem using response surface methodology on removal of color and COD from landfill leachate. Waste Management, 2017, 62, 177-187.	3.7	160
5	Physico-chemical removal of iron from semi-aerobic landfill leachate by limestone filter. Waste Management, 2004, 24, 353-358.	3.7	158
6	Landfill leachate treatment using powdered activated carbon augmented sequencing batch reactor (SBR) process: Optimization by response surface methodology. Journal of Hazardous Materials, 2011, 189, 404-413.	6.5	154
7	An overview of municipal solid waste management and landfill leachate treatment: Malaysia and Asian perspectives. Environmental Science and Pollution Research, 2017, 24, 26988-27020.	2.7	152
8	Sustainable treatment of landfill leachate. Applied Water Science, 2015, 5, 113-126.	2.8	125
9	ASSESSING WATER HYACINTH ( <i>EICHHORNIA CRASSOPES</i> ) AND LETTUCE ( <i>PISTIA</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Phytoremediation, 2012, 14, 201-211.	1.7	114
10	Application of psyllium husk as coagulant and coagulant aid in semi-aerobic landfill leachate treatment. Journal of Hazardous Materials, 2011, 190, 582-587.	6.5	107
11	Landfill leachate treatment using sub-surface flow constructed wetland by <i>Cyperus haspan</i> . Waste Management, 2012, 32, 1387-1393.	3.7	94
12	Variability of Parameters Involved in Leachate Pollution Index and Determination of LPI from Four Landfills in Malaysia. International Journal of Chemical Engineering, 2010, 2010, 1-6.	1.4	90
13	Removal of copper from water using limestone filtration technique: determination of mechanism of removal. Environment International, 2001, 26, 395-399.	4.8	81
14	Stabilized sanitary landfill leachate treatment using anionic resin: Treatment optimization by response surface methodology. Journal of Hazardous Materials, 2010, 182, 115-122.	6.5	66
15	Influence of impregnation ratio on coffee ground activated carbon as landfill leachate adsorbent for removal of total iron and orthophosphate. Desalination, 2011, 279, 225-234.	4.0	61
16	Floc behavior and removal mechanisms of cross-linked Durio zibethinus seed starch as a natural flocculant for landfill leachate coagulation-flocculation treatment. Waste Management, 2018, 74, 362-372.	3.7	53
17	Semi-aerobic stabilized landfill leachate treatment by ion exchange resin: isotherm and kinetic study. Applied Water Science, 2017, 7, 581-590.	2.8	51
18	New sequential treatment for mature landfill leachate by cationic/anionic and anionic/cationic processes: Optimization and comparative study. Journal of Hazardous Materials, 2011, 186, 92-102.	6.5	49

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19	Removal of COD, ammoniacal nitrogen and colour from stabilized landfill leachate by anaerobic organism. <i>Applied Water Science</i> , 2013, 3, 359-366.	2.8	49
20	Characterization of Leachate from Kuala Sepetang and Kulim Landfills: A Comparative Study. <i>Energy and Environment Research</i> , 2012, 2, .	0.1	40
21	Powdered activated carbon augmented double react-settle sequencing batch reactor process for treatment of landfill leachate. <i>Desalination</i> , 2011, 277, 313-320.	4.0	35
22	Assessing the chlorine disinfection of landfill leachate and optimization by response surface methodology (RSM). <i>Desalination</i> , 2011, 274, 278-283.	4.0	34
23	Appraisal of domestic solid waste generation, components, and the feasibility of recycling in Erbil, Iraq. <i>Waste Management and Research</i> , 2011, 29, 880-887.	2.2	26
24	Effects of ion exchange resins in different mobile ion forms on semi-aerobic landfill leachate treatment. <i>Water Science and Technology</i> , 2010, 61, 641-649.	1.2	25
25	Removal of phenols and other pollutants from different landfill leachates using powdered activated carbon supplemented SBR technology. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6147-6158.	1.3	25
26	Optimization and Analysis of Zeolite Augmented Electrocoagulation Process in the Reduction of High-Strength Ammonia in Saline Landfill Leachate. <i>Water (Switzerland)</i> , 2020, 12, 247.	1.2	23
27	The Effectiveness of Silica Sand in Semi-Aerobic Stabilized Landfill Leachate Treatment. <i>Water (Switzerland)</i> , 2010, 2, 904-915.	1.2	22
28	Optimum Process Parameters for the Treatment of Landfill Leachate Using Powdered Activated Carbon Augmented Sequencing Batch Reactor (SBR) Technology. <i>Separation Science and Technology</i> , 2011, 46, 2348-2359.	1.3	22
29	Spatial effect of new municipal solid waste landfill siting using different guidelines. <i>Waste Management and Research</i> , 2014, 32, 24-33.	2.2	22
30	Potential use of oil palm trunk starch as coagulant and coagulant aid in semi-aerobic landfill leachate treatment. <i>Water Quality Research Journal of Canada</i> , 2019, 54, 203-219.	1.2	22
31	Color and Chemical Oxygen Demand Removal from Mature Semi-Aerobic Landfill Leachate Using Anion-Exchange Resin: An Equilibrium and Kinetic Study. <i>Environmental Engineering Science</i> , 2012, 29, 297-305.	0.8	20
32	Characterization of active and closed landfill sites using 2D resistivity/IP imaging: case studies in Penang, Malaysia. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	20
33	Flow and sediment yield simulations for Bukit Merah Reservoir catchment, Malaysia: a case study. <i>Water Science and Technology</i> , 2012, 66, 2170-2176.	1.2	18
34	Leachate Characterization and Phytoremediation Using Water Hyacinth ( <i>Eichornia crassipes</i> ) in Pulau Burung, Malaysia. <i>Bioremediation Journal</i> , 2012, 16, 9-18.	1.0	17
35	Coagulation-Flocculation Process in Landfill Leachate Treatment: Focus on Coagulants and Coagulants Aid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 209, 012083.	0.3	16
36	Performance of batch electrocoagulation with vibration-induced electrode plates for landfill leachate treatment. <i>Journal of Water Process Engineering</i> , 2020, 36, 101282.	2.6	16

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37	Growth, Yield and Water Use Pattern of Chilli Pepper under Different Irrigation Scheduling and Management. Asian Journal of Agricultural Research, 2011, 5, 154-163.	0.4	16
38	Hydrodynamic study of bubble characteristics and bubble rise velocities in batch electrocoagulation with vibration-induced electrode plates using the PIV technique. Separation and Purification Technology, 2021, 258, 118089.	3.9	15
39	Preparation and Characterization of Alginate Beads by Drop Weight. International Journal of Technology, 2014, 5, 121.	0.4	14
40	QUANTIFICATION OF LEACHATE GENERATION RATE FROM A SEMI-AEROBIC LANDFILL IN MALAYSIA. Environmental Engineering and Management Journal, 2012, 11, 1581-1585.	0.2	14
41	Current status of Pulau Burung Sanitary Landfill leachate treatment, Penang Malaysia. AIP Conference Proceedings, 2016, , .	0.3	13
42	A continuous clinoptilolite augmented SBR-electrocoagulation process to remove concentrated ammonia and colour in landfill leachate. Environmental Technology and Innovation, 2021, 23, 101575.	3.0	13
43	Characterization of stabilized leachate and evaluation of LPI from sanitary landfill in Penang, Malaysia. , 0, 189, 152-164.		12
44	Adsorption isotherms in landfill leachate treatment using powdered activated carbon augmented sequencing batch reactor technique: Statistical analysis by response surface methodology. International Journal of Chemical Reactor Engineering, 2012, 10, .	0.6	10
45	Qualitative analysis and classification of surface water in Bukit Merah Reservoir in Malaysia. Water Science and Technology: Water Supply, 2013, 13, 1138-1145.	1.0	10
46	Resource recovery from municipal solid waste by mechanical heat treatment: An opportunity. AIP Conference Proceedings, 2017, , .	0.3	10
47	Municipal Solid Waste Composition, Characterization And Recyclables Potential: A Case Study Evaluation In Malaysia. Journal of Solid Waste Technology and Management, 2018, 44, 330-343.	0.2	10
48	Effect of hydraulic retention time on palm oil mill effluent treatment in horizontal sub-surface flow constructed wetland. AIP Conference Proceedings, 2019, , .	0.3	9
49	Clinoptilolite augmented electrocoagulation process for the reduction of high strength ammonia and color from stabilized landfill leachate. Water Environment Research, 2021, 93, 596-607.	1.3	9
50	Recent Developments of Textile Waste Water Treatment by Adsorption Process: A Review. International Journal of Scientific Research in Knowledge, 0, , 60-73.	0.1	9
51	Treatability Study of Partially Stabilized Leachate by Composite Coagulant (Prehydrolyzed Iron and) Tj ETQq1 1 0.784314 rgBT /Overlo	0.1	9
52	Review on Applications of Nanoparticles in Landfill Leachate Treatment. Applied Mechanics and Materials, 0, 802, 525-530.	0.2	8
53	Application of a pre-hydrolyzed iron coagulant on partially stabilized leachate. Desalination and Water Treatment, 2015, 54, 2951-2958.	1.0	7
54	Investigation of the potential of Cyperus alternifolius in the phytoremediation of palm oil mill effluent. AIP Conference Proceedings, 2017, , .	0.3	7

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55	Removal of ammoniacal nitrogen from old leachate using batch electrocoagulation with vibration-induced electrode plate. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105064.	3.3	7
56	Solid waste generation and decomposition using compost bin technique in Pulau Pinang, Malaysia. <i>Waste Management and Research</i> , 2012, 30, 498-505.	2.2	6
57	Optimum of Treatment Condition for <i>Artocarpus heterophyllus</i> Seeds Starch as Natural Coagulant Aid in Landfill Leachate Treatment by RSM. <i>Applied Mechanics and Materials</i> , 0, 802, 484-489.	0.2	6
58	River Bank Filtration: Study of Langat River Water and Borehole Water Quality. <i>Applied Mechanics and Materials</i> , 0, 773-774, 1194-1198.	0.2	6
59	Removal of colour, turbidity, oil and grease for slaughterhouse wastewater using electrocoagulation method. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	6
60	Application of natural coagulants for sustainable treatment of semi-aerobic landfill leachate. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	6
61	Removal of Color, Suspended Solids, COD and Ammonia from Partially Stabilize Landfill Leachate by Using Iron Chloride through Coagulation Process. <i>International Journal of Engineering and Technology</i> , 0, , 736-739.	0.1	6
62	HEAVY METALS CONCENTRATION IN RIVER AND PUMPING WELL WATER FOR RIVER BANK FILTRATION (RBF) SYSTEM: CASE STUDY IN SUNGAI KERIAN. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 74, .	0.3	5
63	A Comprehensive Review of Environmental, Physical and Socio-Economic (EPSE) Criteria for Spatial Site Selection of Landfills in Malaysia. <i>Applied Mechanics and Materials</i> , 0, 802, 412-418.	0.2	5
64	Nutrient Concentration Distribution in Sediment and Overlying Water at Bukit Merah Reservoir, Perak. <i>MATEC Web of Conferences</i> , 2016, 47, 05004.	0.1	5
65	Potential of Nano-Ionic Copper Doped Activated Carbon as Adsorbent in Leachate Treatment. <i>Materials Today: Proceedings</i> , 2019, 17, 1169-1175.	0.9	5
66	<i>Dioscorea hispida</i> Starch as a Novel Natural Coagulant in Textile Wastewater Treatment. <i>Journal of Engineering and Technological Sciences</i> , 2021, 53, .	0.3	5
67	Reduction of COD and Highly Coloured Mature Landfill Leachate by Tin Tetrachloride with Rubber Seed and Polyacrylamide. <i>Water (Switzerland)</i> , 2021, 13, 3062.	1.2	5
68	Composting Processes for Disposal of Municipal and Agricultural Solid Wastes. <i>Handbook of Environmental Engineering</i> , 2021, , 399-523.	0.2	5
69	Influence of Particle Size and Zeta Potential in Treating Highly Coloured Old Landfill Leachate by Tin Tetrachloride and Rubber Seed. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3016.	1.2	5
70	A Comparative Study of Floc and Sludge of Leachate under Different Types of Coagulants. <i>Applied Mechanics and Materials</i> , 0, 802, 406-411.	0.2	4
71	The effectiveness of oil palm trunk waste derived coagulant for landfill leachate treatment. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
72	Degradation of Organic Matter from Stabilized Leachate by Using Zinc Sulphate as Coagulant Agent. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 374, 012047.	0.3	4

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73	The comparison of <i>Durio Zibethinus</i> seed starch extraction for landfill leachate treatment. <i>Materials Research Express</i> , 2018, 5, 075507.	0.8	4
74	Optimization of the humic acid separation and coagulation with natural starch by RSM for the removal of COD and colour from stabilized leachate. <i>Waste Management and Research</i> , 2021, 39, 1396-1405.	2.2	4
75	Production of methane gas from organic fraction municipal solid waste (OFMSW) via anaerobic process: application methodology for the Malaysian condition. <i>International Journal of Environment and Waste Management</i> , 2013, 12, 121.	0.2	3
76	Variability in the Concentration of Indicator Bacteria in Landfill Leachate - A Comparative Study. <i>Water Environment Research</i> , 2015, 87, 223-226.	1.3	3
77	Development of activated carbon from banana pseudo-stem via single step of chemical activation. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	3
78	Removal of organic fractions from landfill leachate by casuarina equisetifolia activated carbon: Characteristics and adsorption mechanisms. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
79	Enhanced Fuzzy-OWA model for municipal solid waste landfill site selection. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
80	Role of turbulent flow and gas bubbles in enhancing mass transfer in batch electrocoagulation: a brief review. , 0, 161, 35-47.		3
81	Effect of Tillage Methods and Fertilizer Applications on <i>Amaranthus curentus</i> in Nigeria. <i>International Journal of Agricultural Research</i> , 2011, 6, 280-289.	0.0	3
82	Sanitary Landfill Operation and Management. <i>Handbook of Environmental Engineering</i> , 2021, , 525-575.	0.2	3
83	A Comparative Study of Matang and Kuala Sembeling Landfills Leachate Characteristics. <i>Applied Mechanics and Materials</i> , 0, 361-363, 776-781.	0.2	2
84	Chemical Waste and Allied Products. <i>Water Environment Research</i> , 2015, 87, 1312-1359.	1.3	2
85	Treatability of drinking water parameters from Kerian River by using carbon-mineral composite: Batch mechanisms and characterization study. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2
86	Effectiveness of Oil Palm Frond Activated Carbon for Removing COD, Color and Fe from Landfill Leachate. <i>Journal of Engineering and Technological Sciences</i> , 2021, 53, 210104.	0.3	2
87	Aquaculture System Management and Water Conservation. , 2014, , 715-758.		2
88	Application of Natural Starch Coagulant Followed by Membrane Filtration for the Elimination of Color From Stabilized Leachate. , 0, , .		2
89	Study on the adequacy of landfill cover at muassim landfill, makkah, Saudi Arabia. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 569-575.	1.3	1
90	Removal of direct blue 71 from aqueous solution by adsorption on rice husk carbon-clinoptilolite composite adsorbent. , 2013, , .		1

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91	Preparation of rice husk carbon-clinoptilolite composite adsorbent for color removal from real textile wastewater: Effects of operating conditions. , 2013, , .		1
92	Waste to Wealth: Recovery of Recyclable Items and Biodegradable Wastes from Night Markets at Seberang Perai Selatan, Penang. Applied Mechanics and Materials, 2015, 802, 543-548.	0.2	1
93	Optimization of COD and Color Removal for Matangâ€™s Landfill Leachate Treatment by Using Polyaluminum Chloride. Applied Mechanics and Materials, 2015, 802, 478-483.	0.2	1
94	Shrimp pond wastewater treatment using pyrolyzed chicken feather as adsorbent. AIP Conference Proceedings, 2017, , .	0.3	1
95	Multiple criteria landfill site selection method incorporating the NIMBY factors. AIP Conference Proceedings, 2017, , .	0.3	1
96	The selection of palm oil mill effluent for phytoremediation treatment system using &lt;i>Cyperus alternifolius&lt;/i>. International Journal of Environmental Engineering, 2019, 10, 106.	0.1	1
97	Synthesis and application of coagulant derived from <i>Durio zibethinus&lt;/i> for emerging contaminants removal from landfill leachate. International Journal of Environmental Engineering, 2021, 11, 39.	0.1	1
98	Effect of Gravel-Sand Substrate on Sub-Surface Flow Constructed Wetland for Palm Oil Mill Effluent Treatment. IOP Conference Series: Earth and Environmental Science, 2021, 765, 012048.	0.2	1
99	Removal of colour and suspended solids from landfill leachate using Tin tetrachloride (SnCl <sub>4</sub> ): The effects of pH, zeta potential, and particle sizes. International Journal of Environmental Analytical Chemistry, 0, , 1-16.	1.8	1
100	Synthesis of natural starch from <i>Elaeis guineensis</i> trunk biomass applying bisulphite steeping method: Optimization by RSM. Journal of the Air and Waste Management Association, 2021, , 1-15.	0.9	1
101	Preparation and Characterization of Composite Embedded Clinoptilolite for the Removal of Color and Lead from Textile Waste Water. International Journal of Scientific Research in Inventions and New Ideas, 2013, 1, 37-47.	0.0	1
102	Smart Microbial Sources Management for Treatment. Advances in Civil and Industrial Engineering Book Series, 2019, , 350-369.	0.2	1
103	Treatment of Leachate by Electrocoagulation Technique Using Iron And Hybrid Electrodes. International Journal of Scientific Research in Knowledge, 2014, 2, 497-508.	0.1	1
104	APPLYING AN INTEGRATED ROUTE OPTIMIZATION METHOD AS A SOLUTION TO THE PROBLEM OF WASTE COLLECTION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W1, 103-110.	0.2	1
105	Design and Operation of Semi-Aerobic Landfill. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 102-114.	0.3	1
106	Chemicals and Allied Products. Water Environment Research, 2008, 80, 1416-1457.	1.3	0
107	Chapter 3: LANDFILL FOR SOLID WASTE DISPOSAL. , 2014, , 177-364.		0
108	Natural Organic Matter and Disinfectant By-Products (DBPs) Formation Potential in Agriculture Area in Malaysia. Applied Mechanics and Materials, 2015, 802, 513-518.	0.2	0

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109	Adsorption studies of COD and Fe <sup>2+</sup> from stabilized landfill leachate on activated carbon and calcite containing alginate. AIP Conference Proceedings, 2017, , .	0.3	0
110	Adsorptive removal of dissolved organic matter (DOM) in landfill leachate by iron oxide nanoparticles (FeONPs). AIP Conference Proceedings, 2017, , .	0.3	0
111	Removal of phenol from synthetic wastewater using carbon-mineral composite: Batch mechanisms and composition study. AIP Conference Proceedings, 2017, , .	0.3	0
112	Removal of total coliform and E. coli using zeliac as filter media. AIP Conference Proceedings, 2017, , .	0.3	0
113	Biodegradability of semi-aerobic leachate. AIP Conference Proceedings, 2017, , .	0.3	0
114	The application of crosslinking oil palm trunk starch coagulants for landfill leachate treatment. International Journal of Environmental Engineering, 2018, 9, 130.	0.1	0
115	TOC, TKN and C/N ratio fractionation of organic wastes under elevated temperature regime by using hydrothermal approach. AIP Conference Proceedings, 2019, , .	0.3	0
116	REDUCING AMMONIA, CHEMICAL OXYGEN DEMAND AND COLOR FROM PRAWN POND WASTEWATER USING COMPOSITE MEDIA. Environmental Engineering and Management Journal, 2013, 12, 2211-2217.	0.2	0
117	Adsorption studies on heavy metal removal from synthetic wastewater by pyrolyzed chicken feather fiber. , 0, 62, 307-315.		0
118	Waste Treatment and Management in Chlor-Alkali Industries. , 2017, , 611-655.		0
119	Optimization Parameter Design of SEPIC-Cuk Converter. International Journal of Integrated Engineering, 2019, 11, .	0.2	0
120	Oil Palm Frond (OPF) Based Activated Carbon for Leachate Treatment. Lecture Notes in Civil Engineering, 2020, , 761-770.	0.3	0
121	Design and Operation of Semi-Aerobic Landfill. , 2020, , 751-763.		0
122	Design and Operation of Semi-Aerobic Landfill. , 2020, , 246-258.		0
123	Isotherm, kinetics, and thermodynamics modelling for the removal of chemical oxygen demand, colour, and NH <sub>3</sub> -N from coffee processing wastewater by ion exchange resins. , 0, 237, 77-87.		0
124	Carbon Electrodes Electrolysis Process in Removing COD, Turbidity and Color for Textile Wastewater. Advancements in Civil Engineering & Technology, 2020, 4, .	0.1	0