

# Achmad Syafiuddin

## List of Publications by Year in Descending Order

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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.

67

papers

916

citations

16

h-index

28

g-index

89

ext. papers

1,308

ext. citations

3.4

avg, IF

5.29

L-index

#	Paper	IF	Citations
67	Bioremediation of micropollutants using living and non-living algae - Current perspectives and challenges. <i>Environmental Pollution</i> , <b>2022</b> , 292, 118474	9.3	5
66	Sustainable approaches for biohydrogen and biogas production from corn wastes: prospects and challenges <b>2022</b> , 207-214		
65	Development of a novel and efficient biochar produced from pepper stem for effective ibuprofen removal.. <i>Bioresource Technology</i> , <b>2022</b> , 126685	11	1
64	Advances in pretreatment technology for handling the palm oil mill effluent: Challenges and prospects. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126239	11	3
63	Reliability and Economic Analysis of a Rainwater-Harvesting System for a Commercial Building with a Large Rooftop Area. <i>ACS ES&amp;T Water</i> , <b>2022</b> , 2, 604-615		1
62	Insights into the potential application of magnetic field in controlling sludge bulking and foaming: A review. <i>Bioresource Technology</i> , <b>2022</b> , 358, 127416	11	0
61	The Physical Modeling Analysis of Fate and Transport of Silver Nanoparticles Dispersed by Water Flow. <i>Journal of Chemistry</i> , <b>2021</b> , 2021, 1-9	2.3	0
60	Development of a Novel Adsorbent Prepared from Dredging Sediment for Effective Removal of Dye in Aqueous Solutions. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10722	2.6	3
59	Untargeted metabolomics of the alkaliphilic cyanobacterium <i>Plectonema terebrans</i> elucidated novel stress-responsive metabolic modulations. <i>Journal of Proteomics</i> , <b>2021</b> , 252, 104447	3.9	0
58	Effect of Algal Cells on Water Pollution Control. <i>Current Pollution Reports</i> , <b>2021</b> , 7, 213-226	7.6	5
57	Recent Advances on Coagulation-Based Treatment of Wastewater: Transition from Chemical to Natural Coagulant. <i>Current Pollution Reports</i> , <b>2021</b> , 7, 379-391	7.6	10
56	Role of anaerobic sludge digestion in handling antibiotic resistant bacteria and antibiotic resistance genes - A review. <i>Bioresource Technology</i> , <b>2021</b> , 330, 124970	11	20
55	Opportunities and Challenges for Sustainable Bioremediation of Natural and Synthetic Estrogens as Emerging Water Contaminants Using Bacteria, Fungi, and Algae. <i>Water, Air, and Soil Pollution</i> , <b>2021</b> , 232, 1	2.6	5
54	Potential of <i>Carica papaya</i> Seed-Derived Bio-Coagulant to Remove Turbidity from Polluted Water Assessed through Experimental and Modeling-Based Study. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5715	2.6	4
53	A review of polycyclic aromatic hydrocarbons and their substitutions in full-scale wastewater treatment plants. <i>Environmental Quality Management</i> , <b>2021</b> , 31, 21-37	0.8	7
52	Decolorization kinetics and mass transfer mechanisms of Remazol Brilliant Blue R dye mediated by different fungi. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2021</b> , 29, e00573	5.3	16
51	Prospective biodegradation of organic and nitrogenous pollutants from palm oil mill effluent by acidophilic bacteria and archaea. <i>Bioresource Technology Reports</i> , <b>2021</b> , 15, 100809	4.1	3

50	Recent advances on bacterial quorum quenching as an effective strategy to control biofouling in membrane bioreactors. <i>Bioresource Technology Reports</i> , <b>2021</b> , 15, 100745	4.1	3
49	Shifting from Conventional to Organic Filter Media in Wastewater Biofiltration Treatment: A Review. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8650	2.6	1
48	Advances in developing metabolically engineered microbial platforms to produce fourth-generation biofuels and high-value biochemicals. <i>Bioresource Technology</i> , <b>2021</b> , 337, 125510	11	12
47	Evaluation of phase transformation behaviors of zeolite and antibacterial properties against Gram-positive and -negative bacteria. <i>Journal of the Chinese Chemical Society</i> , <b>2020</b> , 67, 2042-2049	1.5	1
46	Sticky silver nanoparticles and surface coatings of different textile fabrics stabilised by <i>Muntingia calabura</i> leaf extract. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	6
45	Adsorption isotherms and kinetics of phosphate on waste mussel shell. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2020</b> , 16, 393-399	2.1	2
44	Enhancement of antibacterial properties of various polymers functionalized with silver nanoparticles. <i>Biointerface Research in Applied Chemistry</i> , <b>2020</b> , 10, 5592-5598	2.8	6
43	A green deposition method of silver nanoparticles on textiles and their antifungal activity. <i>Biointerface Research in Applied Chemistry</i> , <b>2020</b> , 10, 4902-4907	2.8	8
42	Fabrication of biocomposites reinforced with natural fibers and evaluation of their physio-chemical properties. <i>Biointerface Research in Applied Chemistry</i> , <b>2020</b> , 10, 5803-5808	2.8	2
41	Green Synthesis of Silver Nanoparticles Using <i>Muntingia calabura</i> Leaf Extract and Evaluation of Antibacterial Activities. <i>Biointerface Research in Applied Chemistry</i> , <b>2020</b> , 10, 6253-6261	2.8	9
40	A Green Method for the Enhancement of Antifungal Properties of Various Textiles Functionalized with Silver Nanoparticles. <i>Biointerface Research in Applied Chemistry</i> , <b>2020</b> , 10, 7284-7294	2.8	4
39	Towards Resilient Storage for Water Supply Dam Under Climate Change Scenarios: A Case Study of Lingjiu Reservoir. <i>Water Resources Development and Management</i> , <b>2020</b> , 290-297	0.1	
38	Silver nanoparticles adsorption by the synthetic and natural adsorbent materials: an exclusive review. <i>Nanotechnology for Environmental Engineering</i> , <b>2020</b> , 5, 1	5.1	15
37	The current scenario and challenges of biodiesel production in Asian countries: A review. <i>Bioresource Technology Reports</i> , <b>2020</b> , 12, 100608	4.1	26
36	Challenges and Solutions for Sustainable Groundwater Usage: Pollution Control and Integrated Management. <i>Current Pollution Reports</i> , <b>2020</b> , 6, 310-327	7.6	7
35	A review of silver nanoparticles in food packaging technologies: Regulation, methods, properties, migration, and future challenges. <i>Journal of the Chinese Chemical Society</i> , <b>2020</b> , 67, 1942-1956	1.5	29
34	Exploring the potential of halotolerant bacteria for biodegradation of polycyclic aromatic hydrocarbon. <i>Bioprocess and Biosystems Engineering</i> , <b>2020</b> , 43, 2305-2314	3.7	9
33	A new green method for the synthesis of silver nanoparticles and their antibacterial activities against gram-positive and gram-negative bacteria. <i>Journal of the Chinese Chemical Society</i> , <b>2019</b> , 66, 705-712	1.5	6

32	Decolorization and biotransformation pathway of textile dye by <i>Cylindrocephalum aurelium</i> . <i>Bioprocess and Biosystems Engineering</i> , <b>2019</b> , 42, 1483-1494	3.7	22
31	Removal of Silver Nanoparticles from Water Environment: Experimental, Mathematical Formulation, and Cost Analysis. <i>Water, Air, and Soil Pollution</i> , <b>2019</b> , 230, 1	2.6	12
30	Characterization of pyrene and chrysene degradation by halophilic <i>Hortaea</i> sp. B15. <i>Bioprocess and Biosystems Engineering</i> , <b>2019</b> , 42, 963-969	3.7	22
29	Toward a comprehensive understanding of textiles functionalized with silver nanoparticles. <i>Journal of the Chinese Chemical Society</i> , <b>2019</b> , 66, 793-814	1.5	14
28	Biotransformation and Detoxification of Antraquinone Dye Green 3 using halophilic <i>Hortaea</i> sp.. <i>International Biodeterioration and Biodegradation</i> , <b>2019</b> , 140, 72-77	4.8	27
27	Abundance and distribution of polycyclic aromatic hydrocarbons (PAHs) in sediments of the Mahakam River. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 149, 110650	6.7	17
26	Equilibrium, kinetic and thermodynamic analysis petroleum oil adsorption from aqueous solution by magnetic activated carbon. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 495, 012060	0.4	3
25	Kinetic and isotherm studies of adsorption processes in the removal of reactive dyes from aqueous solutions. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 495, 012062	0.4	2
24	Isotherm and kinetics studies for the adsorption of bisphenol A from aqueous solution by activated carbon of <i>Musa acuminata</i> . <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 495, 012059	0.4	5
23	Comparison of Cost Benefits of New Installation and Retrofitted Rainwater Harvesting Systems for Commercial Buildings. <i>Green Energy and Technology</i> , <b>2019</b> , 169-174	0.6	2
22	Evaluation of the Performance of Helmet Prototypes Fabricated from Acrylonitrile Butadiene Styrene Composites Filled with Natural Resource. <i>Materials</i> , <b>2018</b> , 12,	3.5	6
21	Application of the kinetic and isotherm models for better understanding of the behaviors of silver nanoparticles adsorption onto different adsorbents. <i>Journal of Environmental Management</i> , <b>2018</b> , 218, 59-70	7.9	77
20	Biodegradation of Mordant orange-1 using newly isolated strain <i>Trichoderma harzianum</i> RY44 and its metabolite appraisal. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 621-632	3.7	27
19	Silver Nanoparticles in the Water Environment in Malaysia: Inspection, characterization, removal, modeling, and future perspective. <i>Scientific Reports</i> , <b>2018</b> , 8, 986	4.9	82
18	Performance of small and large scales rainwater harvesting systems in commercial buildings under different reliability and future water tariff scenarios. <i>Science of the Total Environment</i> , <b>2018</b> , 636, 1171-1179	10.3	27
17	A Review of Rainwater Harvesting in Malaysia: Prospects and Challenges. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 506	3	38
16	Preparation, characterization, and lead removal appraisal of zinc aluminate prepared at different calcination temperatures. <i>Journal of the Chinese Chemical Society</i> , <b>2018</b> , 65, 1199-1209	1.5	3
15	Thermo-Physical Properties of Kenaf-Filled Acrylonitrile Butadiene Styrene Composites. <i>MATEC Web of Conferences</i> , <b>2017</b> , 95, 03001	0.3	3

14	A Review of Silver Nanoparticles: Research Trends, Global Consumption, Synthesis, Properties, and Future Challenges. <i>Journal of the Chinese Chemical Society</i> , <b>2017</b> , 64, 732-756	1.5	179
13	A purely green synthesis of silver nanoparticles using <i>Carica papaya</i> , <i>Manihot esculenta</i> , and <i>Morinda citrifolia</i> : synthesis and antibacterial evaluations. <i>Bioprocess and Biosystems Engineering</i> , <b>2017</b> , 40, 1349-1361	3.7	26
12	Enhancement of Antibacterial Capability of Cotton Textiles Coated with TiO <sub>2</sub> /BiO <sub>2</sub> /Chitosan Using Hydrophobization. <i>Journal of the Chinese Chemical Society</i> , <b>2017</b> , 64, 1347-1353	1.5	9
11	Novel Weed-Extracted Silver Nanoparticles and Their Antibacterial Appraisal against a Rare Bacterium from River and Sewage Treatment Plan. <i>Nanomaterials</i> , <b>2017</b> , 8,	5.4	16
10	Physical, thermal, and mechanical properties of polypropylene composites filled with rattan nanoparticles. <i>Journal of Applied Research and Technology</i> , <b>2017</b> , 15, 386-395	1.7	25
9	Characterization of Titanium Dioxide Doped with Nitrogen and Sulfur and its Photocatalytic Appraisal for Degradation of Phenol and Methylene Blue. <i>Journal of the Chinese Chemical Society</i> , <b>2017</b> , 64, 1333-1339	1.5	16
8	Biocomposites Formulated with Virgin/Recycled Acrylonitrile Butadiene Styrene. <i>Materials Science Forum</i> , <b>2017</b> , 900, 23-26	0.4	
7	Mechanical and molecular studies of biocomposites filled with oil palm empty fruit bunches microfibers. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 196, 012042	0.4	1
6	Properties of Oil Palm Empty Fruit Bunch-Filled Recycled Acrylonitrile Butadiene Styrene Composites: Effect of Shapes and Filler Loadings with Random Orientation. <i>BioResources</i> , <b>2016</b> , 12,	1.3	7
5	Simple Model for Simulating Characteristics of River Flow Velocity in Large Scale. <i>International Journal of Geophysics</i> , <b>2015</b> , 2015, 1-8	2	1
4	EFFECTS OF NANOPARTICLE FILLER ON THERMO-PHYSICAL PROPERTIES OF RATTAN POWDER-FILLED POLYPROPYLENE COMPOSITES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 77,	1.2	6
3	Prospects of Multiproduct Algal Biorefineries Involving Cascading Processing of the Biomass Employing a Zero-Waste Approach. <i>Current Pollution Reports</i> ,1	7.6	3
2	The mechanisms and kinetics of phosphate adsorption onto iron-coated waste mussel shell observed from hydrodynamic column. <i>International Journal of Environmental Science and Technology</i> ,1	3.3	2
1	Advances in Green Technologies for the Removal of Effluent Organic Matter from the Urban Wastewater. <i>Current Pollution Reports</i> ,1	7.6	2