

# Tadele Assefa Aragaw

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,467  
citations

516710

16  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

975  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surgical face masks as a potential source for microplastic pollution in the COVID-19 scenario. <i>Marine Pollution Bulletin</i> , 2020, 159, 111517.	5.0	495
2	What we need to know about PPE associated with the COVID-19 pandemic in the marine environment. <i>Marine Pollution Bulletin</i> , 2021, 163, 111879.	5.0	136
3	Iron-based nanoparticles in wastewater treatment: A review on synthesis methods, applications, and removal mechanisms. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101280.	5.2	133
4	Current plastics pollution threats due to COVID-19 and its possible mitigation techniques: a waste-to-energy conversion via Pyrolysis. <i>Environmental Systems Research</i> , 2021, 10, 8.	3.7	100
5	Biomass-Based Adsorbents for Removal of Dyes From Wastewater: A Review. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	87
6	Binational survey of personal protective equipment (PPE) pollution driven by the COVID-19 pandemic in coastal environments: Abundance, distribution, and analytical characterization. <i>Journal of Hazardous Materials</i> , 2022, 426, 128070.	12.4	78
7	Personal protective equipment (PPE) pollution driven by the COVID-19 pandemic along the shoreline of Lake Tana, Bahir Dar, Ethiopia. <i>Science of the Total Environment</i> , 2022, 820, 153261.	8.0	46
8	A comparative study of acidic, basic, and reactive dyes adsorption from aqueous solution onto kaolin adsorbent: Effect of operating parameters, isotherms, kinetics, and thermodynamics. <i>Emerging Contaminants</i> , 2022, 8, 59-74.	4.9	42
9	Synthesis and characterization of Ethiopian kaolin for the removal of basic yellow (BY 28) dye from aqueous solution as a potential adsorbent. <i>Heliyon</i> , 2020, 6, e04975.	3.2	40
10	Removal of water hardness using zeolite synthesized from Ethiopian kaolin by hydrothermal method. <i>Water Practice and Technology</i> , 2019, 14, 145-159.	2.0	33
11	Microplastic pollution in African countriesâ€™ water systems: a review on findings, applied methods, characteristics, impacts, and managements. <i>SN Applied Sciences</i> , 2021, 3, 629.	2.9	32
12	Recovery of iron hydroxides from electro-coagulated sludge for adsorption removals of dye wastewater: Adsorption capacity and adsorbent characteristics. <i>Surfaces and Interfaces</i> , 2020, 18, 100439.	3.0	31
13	Phycoremediation of textile wastewater using indigenous microalgae. <i>Water Practice and Technology</i> , 2018, 13, 274-284.	2.0	29
14	The macro-debris pollution in the shorelines of Lake Tana: First report on abundance, assessment, constituents, and potential sources. <i>Science of the Total Environment</i> , 2021, 797, 149235.	8.0	27
15	Utilization of treated coffee husk as low-cost bio-sorbent for adsorption of methylene blue. <i>Adsorption Science and Technology</i> , 2020, 38, 205-222.	3.2	22
16	Wastewater treatment plant effluent and microfiber pollution: focus on industry-specific wastewater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51211-51233.	5.3	22
17	Functions of various bacteria for specific pollutants degradation and their application in wastewater treatment: a review. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 2063-2076.	3.5	17
18	Adsorption of basic yellow dye dataset using Ethiopian kaolin as an adsorbent. <i>Data in Brief</i> , 2019, 26, 104504.	1.0	15

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19	Utilizations of electro-coagulated sludge from wastewater treatment plant data as an adsorbent for direct red 28 dye removal. <i>Data in Brief</i> , 2020, 28, 104848.	1.0	13
20	Recycling electro-coagulated sludge from textile wastewater treatment plants as an adsorbent for the adsorptions of fluoride in an aqueous solution. <i>Heliyon</i> , 2021, 7, e07281.	3.2	13
21	Environmental Sustainability and COVID-19 Pandemic: An Overview Review on New Opportunities and Challenges. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2021, , 117-140.	1.1	12
22	Abundance and Characterization of Microplastics in Main Urban Ditches Across the Bahir Dar City, Ethiopia. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	10
23	Synthesis and characterization of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> / $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> -nanoparticles from recyclable electro-coagulated sludge: insights and predictions for different application. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	9
24	Distribution and Impact of Microplastics in the Aquatic Systems: A Review of Ecotoxicological Effects on Biota. <i>Sustainable Textiles</i> , 2021, , 65-104.	0.7	8
25	Adaptive Response of Thermophiles to Redox Stress and Their Role in the Process of dye Degradation From Textile Industry Wastewater. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	6
26	Physico-Chemical Characterizations of Ethiopian Kaolin for Industrial Applications: Case Study WDP Propoxur Formulations. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019, , 122-134.	0.3	5
27	Understanding disposable plastics effects generated from the PCR testing labs during the COVID-19 pandemic. <i>Journal of Hazardous Materials Advances</i> , 2022, 7, 100126.	3.0	5
28	Cement Types, Admixtures, and Technical Procedures of Cement Analysis: An Introduction. <i>Synthesis Lectures on Chemical Engineering and Biochemical Engineering</i> , 2020, 2, 1-67.	0.2	1
29	Concise Introduction to Cement Chemistry and Manufacturing. <i>Synthesis Lectures on Engineering</i> , 2018, 12, 1-81.	0.0	0
30	The Effect of Mechanical Treatment and Calcination Temperature of Ethiopian Kaolin on Amorphous Metakaolin Product. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 662-671.	0.3	0