

# Belachew Zegale Tizazu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9720706/publications.pdf>

Version: 2024-02-01

16  
papers

179  
citations

1478505

6  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic and thermodynamic analysis of dilute acid hydrolysis of sugarcane bagasse. <i>Bioresource Technology</i> , 2018, 250, 197-203.	9.6	58
2	Ultrasonic enhancement of xylitol production from sugarcane bagasse using immobilized <i>Candida tropicalis</i> MTCC 184. <i>Bioresource Technology</i> , 2018, 268, 247-258.	9.6	23
3	Mechanistic investigations in ultrasound-assisted xylitol fermentation. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 321-328.	8.2	20
4	Synthesis of Cellulose Nanocrystals (CNCs) from Brewer's Spent Grain Using Acid Hydrolysis: Characterization and Optimization. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-10.	2.7	18
5	Reducing Sugar Production from Teff Straw Biomass Using Dilute Sulfuric Acid Hydrolysis: Characterization and Optimization Using Response Surface Methodology. <i>International Journal of Biomaterials</i> , 2021, 2021, 1-13.	2.4	10
6	Process Development for Edible Film Preparation Using Avocado Seed Starch: Response Surface Modeling and Analysis for Water-Vapor Permeability. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-7.	1.8	8
7	Characterization and Optimization of Calcination Process Parameters for Extraction of Aluminum from Ethiopian Kaolinite. <i>International Journal of Chemical Engineering</i> , 2022, 2022, 1-18.	2.4	7
8	Chemical Modification of Teff Straw Biomass for Adsorptive Removal of Cr (VI) from Aqueous Solution: Characterization, Optimization, Kinetics, and Thermodynamic Aspects. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	7
9	Determination of Adsorption of Methylene Blue Dye by Incense Stick Ash Waste and Its Toxicity on RTG-2 Cells. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	7
10	Effects of Novel Material Field Effect Transistor for Heterogeneous Energy and Traffic-Aware Secure Applications. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-9.	1.8	6
11	Development of Teff-Starch based Edible Film: Mechanical and Optical Properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1091, 012050.	0.6	4
12	A novel approach to biodiesel production and its function attribute improvement: nano-immobilized biocatalysts, nanoadditives, and risk management. , 2021, , 425-443.		3
13	Characteristic Investigations on Ethiopian Kaolinite: Effect of Calcination Temperature on Pozzolanic Activity and Specific Surface Area. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-8.	1.8	3
14	Modified Mechanical Structure Electric Bike Design Computation and Prototype Model Implementation. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-7.	1.8	2
15	Extraction, recovery and characterization of aluminum chloride from Ethiopian kaolin by leaching and crystallization. <i>Chemical Papers</i> , 2022, 76, 5087-5103.	2.2	2
16	Kinetic Analysis of Aluminum Extraction from Ethiopian Kaolinite Using Hydrochloric Acid. <i>International Journal of Chemical Engineering</i> , 2022, 2022, 1-14.	2.4	1