

# Kebede K Kefeni

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9897740/publications.pdf>

Version: 2024-02-01

17  
papers

1,704  
citations

623734

14  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid mine drainage: Prevention, treatment options, and resource recovery: A review. <i>Journal of Cleaner Production</i> , 2017, 151, 475-493.	9.3	534
2	Ferrite nanoparticles: Synthesis, characterisation and applications in electronic device. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 215, 37-55.	3.5	405
3	Recent advances in copper ferrite nanoparticles and nanocomposites synthesis, magnetic properties and application in water treatment: Review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103179.	6.7	166
4	Spinel ferrite nanoparticles and nanocomposites for biomedical applications and their toxicity. <i>Materials Science and Engineering C</i> , 2020, 107, 110314.	7.3	155
5	Cobalt ferrite nanoparticles and nanocomposites: Photocatalytic, antimicrobial activity and toxicity in water treatment. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105523.	4.0	87
6	Synthesis and application of hematite nanoparticles for acid mine drainage treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1865-1874.	6.7	60
7	Synthesis and characterization of magnetic nanoparticles and study their removal capacity of metals from acid mine drainage. <i>Chemical Engineering Journal</i> , 2015, 276, 222-231.	12.7	56
8	The potential of biochar-photocatalytic nanocomposites for removal of organic micropollutants from wastewater. <i>Science of the Total Environment</i> , 2022, 829, 154648.	8.0	55
9	Magnetite and cobalt ferrite nanoparticles used as seeds for acid mine drainage treatment. <i>Journal of Hazardous Materials</i> , 2017, 333, 308-318.	12.4	36
10	Integrated acid mine drainage treatment using $Mg(OH)_2$ or $Mg(HCO_3)_2$ and $Ca(OH)_2$ : Implications for separate removal of metals and sulphate. <i>International Journal of Mineral Processing</i> , 2016, 155, 83-90.	2.6	32
11	Microplastics in the Aquatic Environment—The Occurrence, Sources, Ecological Impacts, Fate, and Remediation Challenges. <i>Pollutants</i> , 2021, 1, 95-118.	2.1	27
12	Metals and sulphate removal from acid mine drainage in two steps via ferrite sludge and barium sulphate formation. <i>Minerals Engineering</i> , 2015, 81, 79-87.	4.3	26
13	Synthesis of single-phase superparamagnetic copper ferrite nanoparticles using an optimized coprecipitation method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115368.	3.5	24
14	Trace samarium doped graphitic carbon nitride photocatalytic activity toward metanil yellow dye degradation under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125107.	4.7	22
15	Magnetically separable samarium doped copper ferrite-graphitic carbon nitride nanocomposite for photodegradation of dyes and pharmaceuticals under visible light irradiation. <i>Journal of Water Process Engineering</i> , 2022, 48, 102898.	5.6	10
16	Ultrathin NiFeS Nanomeshes with Sulfur Vacancy for Electrocatalytic Hydrogen Evolution. <i>ChemElectroChem</i> , 2020, 7, 2199-2204.	3.4	5
17	Brewery industrial wastewater treatment through mesocosm horizontal subsurface flow constructed wetland. <i>Environment Systems and Decisions</i> , 2022, 42, 265-275.	3.4	4