

# Robert Birundu Onyancha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9371459/publications.pdf>

Version: 2024-02-01

18  
papers

647  
citations

840119

11  
h-index

839053

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of hexavalent chromium on the environment and removal techniques: A review. Journal of Environmental Management, 2021, 280, 111809.	3.8	169
2	Fly ash-based adsorbent for adsorption of heavy metals and dyes from aqueous solution: a review. Journal of Materials Research and Technology, 2021, 14, 2751-2774.	2.6	127
3	Facile synthesis and applications of carbon nanotubes in heavy-metal remediation and biomedical fields: A comprehensive review. Journal of Molecular Structure, 2021, 1238, 130462.	1.8	72
4	Removal of fluoride ions using a polypyrrole magnetic nanocomposite influenced by a rotating magnetic field. RSC Advances, 2020, 10, 595-609.	1.7	50
5	Environmental implications of petroleum spillages in the Niger Delta region of Nigeria: A review. Journal of Environmental Management, 2021, 293, 112872.	3.8	45
6	A Facile Review on the Sorption of Heavy Metals and Dyes Using Bionanocomposites. Adsorption Science and Technology, 2022, 2022, .	1.5	28
7	A systematic review on the detection and monitoring of toxic gases using carbon nanotube-based biosensors. Sensing and Bio-Sensing Research, 2021, 34, 100463.	2.2	27
8	Analyzing the uncertainties between reanalysis meteorological data and ground measured meteorological data. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108110.	2.5	23
9	Malachite Green Removal by Activated Potassium Hydroxide Clove Leaf Agrowaste Biosorbent: Characterization, Kinetic, Isotherm, and Thermodynamic Studies. Adsorption Science and Technology, 2021, 2021, 1-15.	1.5	23
10	A Methodical Review on Carbon-Based Nanomaterials in Energy-Related Applications. Adsorption Science and Technology, 2022, 2022, .	1.5	22
11	A Methodical Review on the Applications and Potentialities of Using Nanobiosensors for Disease Diagnosis. BioMed Research International, 2022, 2022, 1-20.	0.9	18
12	An Overview of the Emergence and Challenges of Land Reclamation: Issues and Prospect. Applied and Environmental Soil Science, 2022, 2022, 1-14.	0.8	11
13	Development of a Wireless Sensor Network and IoT-based Smart Irrigation System. Applied and Environmental Soil Science, 2022, 2022, 1-13.	0.8	11
14	Bionanomaterials for biosensor technology. , 0, , .		8
15	Biosensing Applications of Electrode Materials. Engineering Materials, 2022, , 187-231.	0.3	4
16	Anomalous non-resonant microwave absorption in SmFeAs(O,F) polycrystalline sample. Physica C: Superconductivity and Its Applications, 2017, 533, 49-52.	0.6	3
17	Measuring the velocity profile of spinning particles and its impact on Cr(VI) sequestration. Chemical Engineering and Processing: Process Intensification, 2022, 178, 109013.	1.8	2
18	Novel normal-state low field microwave absorption in SmFeAsO <sub>1-x</sub> F <sub>x</sub> iron pnictide superconductors. Solid State Communications, 2020, 307, 113800.	0.9	1