

# Maha Abdelazeem

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1684149/publications.pdf>

Version: 2024-02-01

22  
papers

281  
citations

759233

12  
h-index

940533

16  
g-index

24  
all docs

24  
docs citations

24  
times ranked

159  
citing authors

#	ARTICLE	IF	CITATIONS
1	A complete model parameter optimization from self-potential data using Whale algorithm. Journal of Applied Geophysics, 2019, 170, 103825.	2.1	31
2	Remote sensing and geophysical investigations of Moghra Lake in the Qattara Depression, Western Desert, Egypt. Geomorphology, 2014, 207, 10-22.	2.6	25
3	Estimating Model Parameters from Self-Potential Anomaly of 2D Inclined Sheet Using Whale Optimization Algorithm: Applications to Mineral Exploration and Tracing Shear Zones. Natural Resources Research, 2020, 29, 499-519.	4.7	21
4	Minerals and ore deposits exploration using meta-heuristic based optimization on magnetic data. Contributions To Geophysics and Geodesy, 2020, 50, 161-199.	0.6	19
5	Self-Potential Inversion Using Genetic Algorithm. Journal of King Abdulaziz University, Earth Sciences, 2006, 17, 83-101.	0.2	19
6	A Hybrid Grey Wolf-Bat Algorithm for Global Optimization. Advances in Intelligent Systems and Computing, 2018, , 3-12.	0.6	16
7	Solving ill-posed magnetic inverse problem using a Parameterized Trust-Region Sub-problem. Contributions To Geophysics and Geodesy, 2013, 43, 99-123.	0.6	14
8	Subsurface structures using a new integrated geophysical analysis, South Aswan, Egypt. Arabian Journal of Geosciences, 2014, 7, 5141-5157.	1.3	14
9	Future Development of Gold Mineralization Utilizing Integrated Geology and Aeromagnetic Techniques: A Case Study in the Barramiya Mining District, Central Eastern Desert of Egypt. Natural Resources Research, 2021, 30, 2007-2028.	4.7	14
10	A solution to unexploded ordnance detection problem from its magnetic anomaly using Kaczmarz regularization. Interpretation, 2016, 4, SH61-SH69.	1.1	13
11	A minimization approach to depth and shape determination of mineralized zones from potential field data using the Nelder-Mead simplex algorithm. Ore Geology Reviews, 2019, 114, 103123.	2.7	13
12	Geophysical Exploration of Shallow Groundwater Aquifers in Arid Regions: A Case Study of Siwa Oasis, Egypt. Natural Resources Research, 2021, 30, 3355-3384.	4.7	12
13	Magnetometric Identification of Sub-basins for Hydrocarbon Potentialities in Qattara Ridge, North Western Desert, Egypt. Pure and Applied Geophysics, 2021, 178, 995-1020.	1.9	11
14	Impact of Lithofacies and Structures on the Hydrogeochemistry of the Lower Miocene Aquifer at Moghra Oasis, North Western Desert, Egypt. Natural Resources Research, 2020, 29, 3789-3817.	4.7	10
15	Hydrogeophysical investigation at El Moghra Area, North Western Desert, Egypt. Environmental Earth Sciences, 2021, 80, 1.	2.7	10
16	Integrating magnetic and stratigraphic data to delineate the subsurface features in and around new Galala City, Northern Galala Plateau, Egypt. NRIAG Journal of Astronomy and Geophysics, 2019, 8, 131-143.	0.9	8
17	A hybrid PCG-bat algorithm for 2D gravity inversion: Applications for ore deposits exploration and interpretation of sedimentary basins. Ore Geology Reviews, 2021, 139, 104497.	2.7	8
18	Analysis of magnetic gradients at North East of Wadi Ar Rika quadrangle, Saudi Arabia, to delineate subsurface linear features and faults. NRIAG Journal of Astronomy and Geophysics, 2013, 2, 27-38.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Integrated geologic and geophysical studies of north unstable shelf seismicity, Egypt. Arabian Journal of Geosciences, 2015, 8, 5475-5490.	1.3	4
20	Metaheuristics Inversion of Self-Potential Anomalies. Springer Geophysics, 2021, , 35-103.	0.9	4
21	A Hybrid Bat-Regularized Kaczmarz Algorithm to Solve Ill-Posed Geomagnetic Inverse Problem. Advances in Intelligent Systems and Computing, 2016, , 263-272.	0.6	3
22	Gravity interpretation for delineating subsurface structures and depth of basement at El Moghra area, North Western Desert, Egypt. NRIAG Journal of Astronomy and Geophysics, 2021, 10, 270-278.	0.9	2