

# Mohamed G Alkalla

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/126528/publications.pdf>

Version: 2024-02-01

11  
papers

109  
citations

1684188

5  
h-index

1588992

8  
g-index

11  
all docs

11  
docs citations

11  
times ranked

56  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a multi-sample acquisition technique for efficient planetary subsurface exploration. <i>Acta Astronautica</i> , 2022, 198, 309-319.	3.2	4
2	Revolutionary superposition layout method for topology optimization of nonconcurrent multiload models: Connecting a rod case study. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 1378.	2.8	2
3	Integrated structure/control design of high-speed flexible robot arms using topology optimization. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 381-402.	4.7	11
4	DROD: A hybrid biomimetic undulatory and reciprocatory drill: Quantitative analysis and numerical study. <i>Acta Astronautica</i> , 2021, 182, 131-143.	3.2	12
5	Development of the Third Generation of the Dual-Reciprocating Drill. <i>Biomimetics</i> , 2020, 5, 38.	3.3	13
6	Customizable and Optimized Drill Bits Bio-inspired from Wood Wasp Ovipositor Morphology for Extraterrestrial Surfaces. , 2019, , .		3
7	EJBot-II: an optimized skid-steering propeller-type climbing robot with transition mechanism. <i>Advanced Robotics</i> , 2019, 33, 1042-1059.	1.8	13
8	PROPELLER-TYPE SKID STEERING CLIMBING ROBOT BASED ON A HYBRID ACTUATION SYSTEM. <i>International Journal of Robotics and Automation</i> , 2018, 33, .	0.1	2
9	Tele-operated propeller-type climbing robot for inspection of petrochemical vessels. <i>Industrial Robot</i> , 2017, 44, 166-177.	2.1	36
10	Versatile climbing robot for vessels inspection. , 2015, , .		4
11	A novel propeller-type climbing robot for vessels inspection. , 2015, , .		9