

# Tarek Mohamed Abd El Aziz

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,526  
citations

430874

18  
h-index

330143

37  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2398  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress and challenges in drug development against COVID-19 coronavirus (SARS-CoV-2) - an update on the status. <i>Infection, Genetics and Evolution</i> , 2020, 83, 104327.	2.3	248
2	Chlorotoxin: A Helpful Natural Scorpion Peptide to Diagnose Glioma and Fight Tumor Invasion. <i>Toxins</i> , 2015, 7, 1079-1101.	3.4	136
3	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. <i>ACS Nano</i> , 2021, 15, 8069-8086.	14.6	134
4	The structural basis of accelerated host cell entry by SARS-CoV-2. <i>FEBS Journal</i> , 2021, 288, 5010-5020.	4.7	129
5	Snake Venoms in Drug Discovery: Valuable Therapeutic Tools for Life Saving. <i>Toxins</i> , 2019, 11, 564.	3.4	121
6	Comprehensive Virtual Screening of the Antiviral Potentialities of Marine Polycyclic Guanidine Alkaloids against SARS-CoV-2 (COVID-19). <i>Biomolecules</i> , 2021, 11, 460.	4.0	65
7	Human recombinant soluble ACE2 (hrsACE2) shows promise for treating severe COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 258.	17.1	58
8	Questions concerning the proximal origin of SARS-CoV-2. <i>Journal of Medical Virology</i> , 2021, 93, 1204-1206.	5.0	56
9	Investigating the structure-activity relationship of marine natural polyketides as promising SARS-CoV-2 main protease inhibitors. <i>RSC Advances</i> , 2021, 11, 31339-31363.	3.6	52
10	A unique view of SARS-CoV-2 through the lens of ORF8 protein. <i>Computers in Biology and Medicine</i> , 2021, 133, 104380.	7.0	48
11	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , 2021, 20, 102941.	5.8	39
12	The Search for Natural and Synthetic Inhibitors That Would Complement Antivenoms as Therapeutics for Snakebite Envenoming. <i>Toxins</i> , 2021, 13, 451.	3.4	38
13	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 801-809.	7.5	36
14	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. <i>Molecules</i> , 2020, 25, 5906.	3.8	33
15	COVID-19 Vaccines and Thrombosis-“Roadblock or Dead-End Street?”. <i>Biomolecules</i> , 2021, 11, 1020.	4.0	28
16	The Importance of Research on the Origin of SARS-CoV-2. <i>Viruses</i> , 2020, 12, 1203.	3.3	27
17	SARS-CoV-2 infection enhances mitochondrial PTP complex activity to perturb cardiac energetics. <i>IScience</i> , 2022, 25, 103722.	4.1	27
18	Efficient functional neutralization of lethal peptide toxins in vivo by oligonucleotides. <i>Scientific Reports</i> , 2017, 7, 7202.	3.3	22

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19	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2. Archives of Biochemistry and Biophysics, 2022, 717, 109124.	3.0	20
20	Spermaurin, an La1-like peptide from the venom of the scorpion <i>Scorpio maurus palmatus</i> , improves sperm motility and fertilization in different mammalian species. Molecular Human Reproduction, 2016, 23, 116-131.	2.8	18
21	Advances in venomics: Modern separation techniques and mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1160, 122352.	2.3	16
22	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. International Journal of Biological Macromolecules, 2022, 194, 128-143.	7.5	13
23	Actiflagelin, a new sperm activator isolated from <i>Walterinnesia aegyptia</i> venom using phenotypic screening. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2018, 24, 2.	1.4	11
24	Deficiency of ROS-Activated TRPM2 Channel Protects Neurons from Cerebral Ischemia-Reperfusion Injury through Upregulating Autophagy. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-12.	4.0	10
25	Implications derived from S-protein variants of SARS-CoV-2 from six continents. International Journal of Biological Macromolecules, 2021, 191, 934-955.	7.5	10
26	Fractionation and proteomic analysis of the <i>Walterinnesia aegyptia</i> snake venom using OFFGEL and MALDI-TOF-MS techniques. Electrophoresis, 2015, 36, 2594-2605.	2.4	8
27	Aptamer Efficacies for In Vitro and In Vivo Modulation of $\pm$ C-Conotoxin PrXA Pharmacology. Molecules, 2019, 24, 229.	3.8	8
28	Case Report: Recent Case Reports of Levant Blunt-Nosed Viper <i>Macrovipera lebetina obtusa</i> Snakebites in Iran. American Journal of Tropical Medicine and Hygiene, 2021, 104, 1870-1876.	1.4	8
29	Comparative study of the in vivo toxicity and pathophysiology of envenomation by three medically important Egyptian snake venoms. Archives of Toxicology, 2020, 94, 335-344.	4.2	7
30	Cisplatin Decreases ENaC Activity Contributing to Renal Salt Wasting Syndrome. Cancers, 2020, 12, 2140.	3.7	7
31	Potential Role of Platelet-Activating C-Type Lectin-Like Proteins in Viper Envenomation Induced Thrombotic Microangiopathy Symptom. Toxins, 2020, 12, 749.	3.4	7
32	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. Autoimmunity Reviews, 2021, 20, 102909.	5.8	7
33	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2. PeerJ, 2022, 10, e13136.	2.0	7
34	Investigating the structure-activity relationship of marine polycyclic batzelladine alkaloids as promising inhibitors for SARS-CoV-2 main protease (Mpro). Computers in Biology and Medicine, 2022, 147, 105738.	7.0	7
35	Marine Brominated Tyrosine Alkaloids as Promising Inhibitors of SARS-CoV-2. Molecules, 2021, 26, 6171.	3.8	6
36	Identification, Characterization and Synthesis of Walterospermin, a Sperm Motility Activator from the Egyptian Black Snake <i>Walterinnesia aegyptia</i> Venom. International Journal of Molecular Sciences, 2020, 21, 7786.	4.1	5

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37	Mechanisms and consequences of casein kinase II and ankyrin-3 regulation of the epithelial Na <sup>+</sup> channel. <i>Scientific Reports</i> , 2021, 11, 14600.	3.3	5
38	Influence of perinatal deltamethrin exposure at distinct developmental stages on motor activity, learning and memory. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113460.	6.0	5
39	Identification and Characterization of Novel Proteins from Arizona Bark Scorpion Venom That Inhibit Nav1.8, a Voltage-Gated Sodium Channel Regulator of Pain Signaling. <i>Toxins</i> , 2021, 13, 501.	3.4	4
40	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. <i>Environmental Research</i> , 2022, 204, 112092.	7.5	4
41	Optogenetic Control of PIP2 Interactions Shaping ENaC Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3884.	4.1	4
42	Urgent Need for Field Surveys of Coronaviruses in Southeast Asia to Understand the SARS-CoV-2 Phylogeny and Risk Assessment for Future Outbreaks. <i>Biomolecules</i> , 2021, 11, 398.	4.0	3
43	Structural and Functional Characterization of a Novel Scorpion Toxin that Inhibits Nav1.8 via Interactions With the DI Voltage Sensor and DII Pore Module. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	2
44	Stimulation of the Epithelial Na <sup>+</sup> Channel in Renal Principal Cells by Gs-Coupled Designer Receptors Exclusively Activated by Designer Drugs. <i>Frontiers in Physiology</i> , 2021, 12, 725782.	2.8	1
45	Abstract 06: Mechanisms And Consequences Of Casein Kinase II And Ankyrin 3 Regulation Of The Epithelial Sodium Channel. <i>Hypertension</i> , 2021, 78, .	2.7	0
46	TRPM2 channel-Stat3 complex regulates the polarity of tumor-associated macrophage and tumor angiogenesis.. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019, 92, 2-P-106.	0.0	0
47	Cisplatin Decreases ENaC Activity Contributing to Renal Sodium Wasting. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
48	Cellular and Molecular Mechanisms Regulating the Normal Physiological Function of the Epithelial Sodium Channel. <i>FASEB Journal</i> , 2022, 36, .	0.5	0