

# 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	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
2	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 128-143.	7.5	13
3	SARS-CoV-2 infection enhances mitochondrial PTP complex activity to perturb cardiac energetics. <i>IScience</i> , 2022, 25, 103722.	4.1	27
4	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2. <i>Archives of Biochemistry and Biophysics</i> , 2022, 717, 109124.	3.0	20
5	Optogenetic Control of PIP2 Interactions Shaping ENaC Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3884.	4.1	4
6	An issue of concern: unique truncated ORF8 protein variants of SARS-CoV-2. <i>PeerJ</i> , 2022, 10, e13136.	2.0	7
7	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
8	Cellular and Molecular Mechanisms Regulating the Normal Physiological Function of the Epithelial Sodium Channel. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
9	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
10	Investigating the structure-activity relationship of marine polycyclic batzelladine alkaloids as promising inhibitors for SARS-CoV-2 main protease (Mpro). <i>Computers in Biology and Medicine</i> , 2022, 147, 105738.	7.0	7
11	The structural basis of accelerated host cell entry by SARS-CoV-2. <i>FEBS Journal</i> , 2021, 288, 5010-5020.	4.7	129
12	Questions concerning the proximal origin of SARS-CoV-2. <i>Journal of Medical Virology</i> , 2021, 93, 1204-1206.	5.0	56
13	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
14	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
15	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
16	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
17	Case Report: Recent Case Reports of Levant Blunt-Nosed Viper <i>Macrovipera lebetina obtusa</i> Snakebites in Iran. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 1870-1876.	1.4	8
18	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

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19	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
20	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
21	Deficiency of ROS-Activated TRPM2 Channel Protects Neurons from Cerebral Ischemia-Reperfusion Injury through Upregulating Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	4.0	10
22	COVID-19 Vaccines and Thrombosisâ€”Roadblock or Dead-End Street?. <i>Biomolecules</i> , 2021, 11, 1020.	4.0	28
23	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
24	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
25	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
26	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
27	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , 2021, 20, 102941.	5.8	39
28	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. <i>Autoimmunity Reviews</i> , 2021, 20, 102909.	5.8	7
29	Implications derived from S-protein variants of SARS-CoV-2 from six continents. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 934-955.	7.5	10
30	Marine Brominated Tyrosine Alkaloids as Promising Inhibitors of SARS-CoV-2. <i>Molecules</i> , 2021, 26, 6171.	3.8	6
31	Comparative study of the in vivo toxicity and pathophysiology of envenomation by three medically important Egyptian snake venoms. <i>Archives of Toxicology</i> , 2020, 94, 335-344.	4.2	7
32	Advances in venomics: Modern separation techniques and mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1160, 122352.	2.3	16
33	Cisplatin Decreases ENaC Activity Contributing to Renal Salt Wasting Syndrome. <i>Cancers</i> , 2020, 12, 2140.	3.7	7
34	The Importance of Research on the Origin of SARS-CoV-2. <i>Viruses</i> , 2020, 12, 1203.	3.3	27
35	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. <i>Molecules</i> , 2020, 25, 5906.	3.8	33
36	Potential Role of Platelet-Activating C-Type Lectin-Like Proteins in Viper Envenomation Induced Thrombotic Microangiopathy Symptom. <i>Toxins</i> , 2020, 12, 749.	3.4	7

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37	Human recombinant soluble ACE2 (hrsACE2) shows promise for treating severe COVID-19. Signal Transduction and Targeted Therapy, 2020, 5, 258.	17.1	58
38	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
39	Recent progress and challenges in drug development against COVID-19 coronavirus (SARS-CoV-2) - an update on the status. Infection, Genetics and Evolution, 2020, 83, 104327.	2.3	248
40	Cisplatin Decreases ENaC Activity Contributing to Renal Sodium Wasting. FASEB Journal, 2020, 34, 1-1.	0.5	0
41	Snake Venoms in Drug Discovery: Valuable Therapeutic Tools for Life Saving. Toxins, 2019, 11, 564.	3.4	121
42	Aptamer Efficacies for In Vitro and In Vivo Modulation of $\beta$ -Conotoxin PrXA Pharmacology. Molecules, 2019, 24, 229.	3.8	8
43	TRPM2 channel-Stat3 complex regulates the polarity of tumor-associated macrophage and tumor angiogenesis.. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 2-P-106.	0.0	0
44	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
45	Efficient functional neutralization of lethal peptide toxins in vivo by oligonucleotides. Scientific Reports, 2017, 7, 7202.	3.3	22
46	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
47	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
48	Chlorotoxin: A Helpful Natural Scorpion Peptide to Diagnose Glioma and Fight Tumor Invasion. Toxins, 2015, 7, 1079-1101.	3.4	136