

Ahmed Mostafa

List of Publications by Year in descending order

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95
papers

2,645
citations

159358

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243296

44
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99
docs citations

99
times ranked

3076
citing authors

#	ARTICLE	IF	CITATIONS
1	Zoonotic Potential of Influenza A Viruses: A Comprehensive Overview. <i>Viruses</i> , 2018, 10, 497.	1.5	177
2	FDA-Approved Drugs with Potent In Vitro Antiviral Activity against Severe Acute Respiratory Syndrome Coronavirus 2. <i>Pharmaceuticals</i> , 2020, 13, 443.	1.7	110
3	Characterisation of volatile components of Pinotage wines using comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry (GC ⁺ -GC ⁺ -TOFMS). <i>Food Chemistry</i> , 2011, 129, 188-199.	4.2	81
4	Synthesis and screening of some novel fused thiophene and thienopyrimidine derivatives for anti-avian influenza virus (H5N1) activity. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5251-5257.	2.6	79
5	Molecular docking, molecular dynamics, and in vitro studies reveal the potential of angiotensin II receptor blockers to inhibit the COVID-19 main protease. <i>Heliyon</i> , 2020, 6, e05641.	1.4	78
6	Drug repurposing of nitazoxanide: can it be an effective therapy for COVID-19?. <i>Journal of Genetic Engineering and Biotechnology</i> , 2020, 18, 35.	1.5	67
7	Bioactive Polyphenolic Compounds Showing Strong Antiviral Activities against Severe Acute Respiratory Syndrome Coronavirus 2. <i>Pathogens</i> , 2021, 10, 758.	1.2	66
8	Telaprevir is a potential drug for repurposing against SARS-CoV-2: computational and in vitro studies. <i>Heliyon</i> , 2021, 7, e07962.	1.4	62
9	Pimenta dioica (L.) Merr. Bioactive Constituents Exert Anti-SARS-CoV-2 and Anti-Inflammatory Activities: Molecular Docking and Dynamics, In Vitro, and In Vivo Studies. <i>Molecules</i> , 2021, 26, 5844.	1.7	60
10	Introduction and enzootic of A/H5N1 in Egypt: Virus evolution, pathogenicity and vaccine efficacy ten years on. <i>Infection, Genetics and Evolution</i> , 2016, 40, 80-90.	1.0	58
11	Influenza Virus-Induced Caspase-Dependent Enlargement of Nuclear Pores Promotes Nuclear Export of Viral Ribonucleoprotein Complexes. <i>Journal of Virology</i> , 2015, 89, 6009-6021.	1.5	57
12	Naturally Available Flavonoid Aglycones as Potential Antiviral Drug Candidates against SARS-CoV-2. <i>Molecules</i> , 2021, 26, 6559.	1.7	54
13	The Epidemiological and Molecular Aspects of Influenza H5N1 Viruses at the Human-Animal Interface in Egypt. <i>PLoS ONE</i> , 2011, 6, e17730.	1.1	53
14	In Silico Prediction and Experimental Confirmation of HA Residues Conferring Enhanced Human Receptor Specificity of H5N1 Influenza A Viruses. <i>Scientific Reports</i> , 2015, 5, 11434.	1.6	53
15	Î²-Blockers bearing hydroxyethylamine and hydroxyethylene as potential SARS-CoV-2 Mpro inhibitors: rational based design, <i>in silico</i> , <i>in vitro</i> , and SAR studies for lead optimization. <i>RSC Advances</i> , 2021, 11, 35536-35558.	1.7	50
16	Design and synthesis of new 4-(2-nitrophenoxy)benzamide derivatives as potential antiviral agents: molecular modeling and <i>in vitro</i> antiviral screening. <i>New Journal of Chemistry</i> , 2021, 45, 16557-16571.	1.4	46
17	Evaluation of radical scavenging system in two microalgae in response to interactive stresses of UV-B radiation and nitrogen starvation. <i>Saudi Journal of Biological Sciences</i> , 2016, 23, 706-712.	1.8	45
18	New quinoline-triazole conjugates: Synthesis, and antiviral properties against SARS-CoV-2. <i>Bioorganic Chemistry</i> , 2021, 114, 105117.	2.0	45

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19	Continuing Threat of Influenza (H5N1) Virus Circulation in Egypt. <i>Emerging Infectious Diseases</i> , 2011, 17, 2306-2308.	2.0	44
20	Coding-Complete Genome Sequences of Two SARS-CoV-2 Isolates from Egypt. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	44
21	Strong Inhibitory Activity and Action Modes of Synthetic Maslinic Acid Derivative on Highly Pathogenic Coronaviruses: COVID-19 Drug Candidate. <i>Pathogens</i> , 2021, 10, 623.	1.2	44
22	Middle East respiratory syndrome coronavirus infection in non-camelid domestic mammals. <i>Emerging Microbes and Infections</i> , 2019, 8, 103-108.	3.0	42
23	Newly synthesized series of oxoindole-oxadiazole conjugates as potential anti-SARS-CoV-2 agents: <i>in silico</i> and <i>in vitro</i> studies. <i>New Journal of Chemistry</i> , 2022, 46, 5078-5090.	1.4	42
24	Global patterns of avian influenza A (H7): virus evolution and zoonotic threats. <i>FEMS Microbiology Reviews</i> , 2019, 43, 608-621.	3.9	41
25	The secRNome of <i>Listeria monocytogenes</i> Harbors Small Noncoding RNAs That Are Potent Inducers of Beta Interferon. <i>MBio</i> , 2019, 10, .	1.8	40
26	Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in Dromedary Camels in Africa and Middle East. <i>Viruses</i> , 2019, 11, 717.	1.5	38
27	Bacterial Outer Membrane Vesicles (OMVs)-Based Dual Vaccine for Influenza A H1N1 Virus and MERS-CoV. <i>Vaccines</i> , 2019, 7, 46.	2.1	38
28	Delineating a potent antiviral activity of <i>Cuphea ignea</i> extract loaded nano-formulation against SARS-CoV-2: <i>In silico</i> and <i>in vitro</i> studies. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102845.	1.4	38
29	Coronavirus Disease (COVID-19) Control between Drug Repurposing and Vaccination: A Comprehensive Overview. <i>Vaccines</i> , 2021, 9, 1317.	2.1	35
30	Itaconate and derivatives reduce interferon responses and inflammation in influenza A virus infection. <i>PLoS Pathogens</i> , 2022, 18, e1010219.	2.1	35
31	Immunogenicity and Safety of an Inactivated SARS-CoV-2 Vaccine: Preclinical Studies. <i>Vaccines</i> , 2021, 9, 214.	2.1	33
32	Activation of c-jun N-Terminal Kinase upon Influenza A Virus (IAV) Infection Is Independent of Pathogen-Related Receptors but Dependent on Amino Acid Sequence Variations of IAV NS1. <i>Journal of Virology</i> , 2014, 88, 8843-8852.	1.5	32
33	EGYVIR: An immunomodulatory herbal extract with potent antiviral activity against SARS-CoV-2. <i>PLoS ONE</i> , 2020, 15, e0241739.	1.1	32
34	Characterization of an avian influenza virus H5N1 Egyptian isolate. <i>Journal of Virological Methods</i> , 2009, 159, 244-250.	1.0	31
35	NS Segment of a 1918 Influenza A Virus-Descendent Enhances Replication of H1N1pdm09 and Virus-Induced Cellular Immune Response in Mammalian and Avian Systems. <i>Frontiers in Microbiology</i> , 2018, 9, 526.	1.5	31
36	Middle East Respiratory Syndrome Coronavirus (MERS-CoV): State of the Science. <i>Microorganisms</i> , 2020, 8, 991.	1.6	30

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37	Scrutinizing the Feasibility of Nonionic Surfactants to Form Isotropic Bicelles of Curcumin: a Potential Antiviral Candidate Against COVID-19. <i>AAPS PharmSciTech</i> , 2022, 23, 44.	1.5	30
38	Repurposing of Sitagliptin- Melittin Optimized Nanoformula against SARS-CoV-2; Antiviral Screening and Molecular Docking Studies. <i>Pharmaceutics</i> , 2021, 13, 307.	2.0	28
39	Investigation of the Volatile Composition of Pinotage Wines Fermented with Different Malolactic Starter Cultures Using Comprehensive Two-Dimensional Gas Chromatography Coupled to Time-of-Flight Mass Spectrometry (GC-MS/MS). <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12732-12744.	2.4	26
40	Improved dual promotor-driven reverse genetics system for influenza viruses. <i>Journal of Virological Methods</i> , 2013, 193, 603-610.	1.0	26
41	Synthesis and Anti-Avian Influenza Virus (H5N1) Evaluation of Some Novel Nicotinonitriles and Their Acyclic Nucleosides. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 1130-1135.	1.4	24
42	3-Alkenyl-2-oxindoles: Synthesis, antiproliferative and antiviral properties against SARS-CoV-2. <i>Bioorganic Chemistry</i> , 2021, 114, 105131.	2.0	23
43	In Silico and In Vivo Evaluation of SARS-CoV-2 Predicted Epitopes-Based Candidate Vaccine. <i>Molecules</i> , 2021, 26, 6182.	1.7	23
44	Incidence, household transmission, and neutralizing antibody seroprevalence of Coronavirus Disease 2019 in Egypt: Results of a community-based cohort. <i>PLoS Pathogens</i> , 2021, 17, e1009413.	2.1	21
45	Promising anti-SARS-CoV-2 drugs by effective dual targeting against the viral and host proteases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 43, 128099.	1.0	21
46	Re-emergence of amantadine-resistant variants among highly pathogenic avian influenza H5N1 viruses in Egypt. <i>Infection, Genetics and Evolution</i> , 2016, 46, 102-109.	1.0	20
47	Ribonuclease from <i>Bacillus</i> Acts as an Antiviral Agent against Negative- and Positive-Sense Single Stranded Human Respiratory RNA Viruses. <i>BioMed Research International</i> , 2017, 2017, 1-11.	0.9	19
48	Bacterial ribonuclease binase exerts an intra-cellular anti-viral mode of action targeting viral RNAs in influenza a virus-infected MDCK-II cells. <i>Virology Journal</i> , 2018, 15, 5.	1.4	18
49	Structure- and Ligand-Based in silico Studies towards the Repurposing of Marine Bioactive Compounds to Target SARS-CoV-2. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103092.	2.3	18
50	Efficient Generation of Recombinant Influenza A Viruses Employing a New Approach to Overcome the Genetic Instability of HA Segments. <i>PLoS ONE</i> , 2015, 10, e0116917.	1.1	17
51	New Pyrazine Conjugates: Synthesis, Computational Studies, and Antiviral Properties against SARS-CoV-2. <i>ChemMedChem</i> , 2021, 16, 3418-3427.	1.6	17
52	Identification of specific residues in avian influenza A virus NS1 that enhance viral replication and pathogenicity in mammalian systems. <i>Journal of General Virology</i> , 2016, 97, 2135-2148.	1.3	17
53	Phylogenetic analysis of human influenza A/H3N2 viruses isolated in 2015 in Germany indicates significant genetic divergence from vaccine strains. <i>Archives of Virology</i> , 2016, 161, 1505-1515.	0.9	16
54	Cnicin as an Anti-SARS-CoV-2: An Integrated In Silico and In Vitro Approach for the Rapid Identification of Potential COVID-19 Therapeutics. <i>Antibiotics</i> , 2021, 10, 542.	1.5	16

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55	The PB1 segment of an influenza A virus H1N1 2009pdm isolate enhances the replication efficiency of specific influenza vaccine strains in cell culture and embryonated eggs. <i>Journal of General Virology</i> , 2016, 97, 620-631.	1.3	16
56	Antiviral activity of chitosan nanoparticles encapsulating silymarin (Silâ€“CNPs) against SARS-CoV-2 (<i>in silico</i> and <i>in vitro</i> study). <i>RSC Advances</i> , 2022, 12, 15775-15786.	1.7	16
57	H5 Influenza Viruses in Egypt. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2021, 11, a038745.	2.9	15
58	Synthesis of aspirin-curcumin mimic conjugates of potential antitumor and anti-SARS-CoV-2 properties. <i>Bioorganic Chemistry</i> , 2021, 117, 105466.	2.0	15
59	Influenza H3N2 Vaccines: Recent Challenges. <i>Trends in Microbiology</i> , 2018, 26, 87-89.	3.5	14
60	Time-Resolved Systems Medicine Reveals Viral Infection-Modulating Host Targets. <i>Systems Medicine (New Rochelle, N Y)</i> , 2019, 2, 1-9.	1.4	14
61	Iterated Virtual Screening-Assisted Antiviral and Enzyme Inhibition Assays Reveal the Discovery of Novel Promising Anti-SARS-CoV-2 with Dual Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9057.	1.8	14
62	Design, synthesis and preliminary antiviral screening of new N-phenylpyrazole and dihydroisoxazole derivatives. <i>Medicinal Chemistry Research</i> , 2010, 19, 1025-1035.	1.1	13
63	Biological characterization of highly pathogenic avian influenza H5N1 viruses that infected humans in Egypt in 2014-2015. <i>Archives of Virology</i> , 2017, 162, 687-700.	0.9	13
64	Comparative Virological and Pathogenic Characteristics of Avian Influenza H5N8 Viruses Detected in Wild Birds and Domestic Poultry in Egypt during the Winter of 2016/2017. <i>Viruses</i> , 2019, 11, 990.	1.5	13
65	Quantitative analysis and resolution of pharmaceuticals in the environment using multivariate curve resolution-alternating least squares (MCR-ALS). <i>Acta Pharmaceutica</i> , 2019, 69, 217-231.	0.9	13
66	A Facile Synthesis and Anti-Avian Influenza Virus (H5N1) Screening of Some Novel Pyrazolopyrimidine Nucleoside Derivatives. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2010, 29, 809-820.	0.4	12
67	PA from a Recent H9N2 (G1-Like) Avian Influenza A Virus (AIV) Strain Carrying Lysine 367 Confers Altered Replication Efficiency and Pathogenicity to Contemporaneous H5N1 in Mammalian Systems. <i>Viruses</i> , 2020, 12, 1046.	1.5	12
68	Improved in vitro Efficacy of Baloxavir Marboxil Against Influenza A Virus Infection by Combination Treatment With the MEK Inhibitor ATR-002. <i>Frontiers in Microbiology</i> , 2021, 12, 611958.	1.5	12
69	Single gene reassortment of highly pathogenic avian influenza A H5N1 in the low pathogenic H9N2 backbone and its impact on pathogenicity and infectivity of novel reassortant viruses. <i>Archives of Virology</i> , 2017, 162, 2959-2969.	0.9	11
70	Common childhood vaccines do not elicit a cross-reactive antibody response against SARS-CoV-2. <i>PLoS ONE</i> , 2020, 15, e0241471.	1.1	11
71	Immune Checkpoint Regulators: A New Era Toward Promising Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2020, 20, 429-460.	0.8	11
72	Thoracoscopic management of early stages of empyema: is this the golden standard?. <i>Journal of Visualized Surgery</i> , 2018, 4, 114-114.	0.2	10

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73	Discovery of novel oxazole-based macrocycles as anti-coronaviral agents targeting SARS-CoV-2 main protease. <i>Bioorganic Chemistry</i> , 2021, 116, 105363.	2.0	10
74	Avian influenza H5N1 vaccination efficacy in Egyptian backyard poultry. <i>Vaccine</i> , 2017, 35, 6195-6201.	1.7	9
75	Authorised medicinal product Aspecton® Oral Drops containing thyme extract KMTv24497 shows antiviral activity against viruses which cause respiratory infections. <i>Journal of Herbal Medicine</i> , 2018, 13, 26-33.	1.0	9
76	Drug Repurposing of Lactoferrin Combination in a Nanodrug Delivery System to Combat Severe Acute Respiratory Syndrome Coronavirus-2 Infection. <i>Dr Sulaiman Al Habib Medical Journal</i> , 2021, 3, 104.	0.3	9
77	Antiviral Activity of Bacterial Extracellular Ribonuclease Against Single-, Double-Stranded RNA and DNA Containing Viruses in Cell Cultures. <i>BioNanoScience</i> , 2016, 6, 561-563.	1.5	8
78	Anti-Influenza Activity of the Ribonuclease Binase: Cellular Targets Detected by Quantitative Proteomics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8294.	1.8	8
79	Growth factors and cytokines in patients with long bone fractures and associated spinal cord injury. <i>Journal of Orthopaedics</i> , 2016, 13, 69-75.	0.6	7
80	Genetic incompatibilities and reduced transmission in chickens may limit the evolution of reassortants between H9N2 and panzootic H5N8 clade 2.3.4.4 avian influenza virus showing high virulence for mammals. <i>Virus Evolution</i> , 2020, 6, veaa077.	2.2	7
81	Prevalence of Severe Acute Respiratory Syndrome Coronavirus 2 Neutralizing Antibodies in Egyptian Convalescent Plasma Donors. <i>Frontiers in Microbiology</i> , 2020, 11, 596851.	1.5	7
82	Comparative evaluation of flavonoids reveals the superiority and promising inhibition activity of silibinin against SARS-CoV-2. <i>Phytotherapy Research</i> , 2022, 36, 2921-2939.	2.8	7
83	Viral Eco-Genomic Tools: Development and Implementation for Aquatic Biomonitoring. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7707.	1.2	6
84	Development, application and validation of RP-HPLC method for the simultaneous determination of butamirate citrate and its main degradation product in pharmaceutical dosage forms. <i>Analytical Methods</i> , 2011, 3, 1643.	1.3	5
85	Eco-Friendly Pharmaceutical Analysis of Multicomponent Drugs Coformulated in Different Dosage Forms Using Multivariate Curve Resolution and Partial Least Squares: A Comparative Study. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 465-472.	0.7	5
86	A Recombinant Influenza A/H1N1 Carrying A Short Immunogenic Peptide of MERS-CoV as Bivalent Vaccine in BALB/c Mice. <i>Pathogens</i> , 2019, 8, 281.	1.2	4
87	Lipid polymer hybrid nanocarriers as a combinatory platform for different anti-SARS-CoV-2 drugs supported by computational studies. <i>RSC Advances</i> , 2021, 11, 28876-28891.	1.7	4
88	Impact of Individual Viral Gene Segments from Influenza A/H5N8 Virus on the Protective Efficacy of Inactivated Subtype-Specific Influenza Vaccine. <i>Pathogens</i> , 2021, 10, 368.	1.2	3
89	Determinants of having severe acute respiratory syndrome coronavirus 2 neutralizing antibodies in Egypt. <i>Influenza and Other Respiratory Viruses</i> , 2021, 15, 750-756.	1.5	3
90	Evolution of H5-Type Avian Influenza A Virus Towards Mammalian Tropism in Egypt, 2014 to 2015. <i>Pathogens</i> , 2019, 8, 224.	1.2	2

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91	Verapamil has Antiviral Activities that Target Different Steps of the Influenza Virus Replication Cycle. Journal of Antivirals & Antiretrovirals, 2016, 08, .	0.1	1
92	Stenting in Non-Small Cell Lung Cancer: How Does It Affect the Outcomes?. Asian Pacific Journal of Cancer Prevention, 2020, 21, 175-178.	0.5	1
93	Ollier Disease With Sole Chest Wall Involvement. Annals of Thoracic Surgery, 2015, 100, 327.	0.7	0
94	The positron and mechanical parameters of a cold-worked aluminum alloy (3004) Using PALT, PADBT and HV ^{**} . Journal of the Mechanical Behavior of Materials, 2021, 30, 292-303.	0.7	0
95	Antiviral properties of clove (Syzygium aromaticum). , 2022, , 675-682.		0