

Ahmed Mostafa

List of Publications by Citations

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91
papers

1,458
citations

22
h-index

33
g-index

99
ext. papers

2,131
ext. citations

4.6
avg, IF

5.09
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 91 | Zoonotic Potential of Influenza A Viruses: A Comprehensive Overview. <i>Viruses</i> , 2018 , 10, | 6.2 | 102 |
| 90 | 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, 5251-7 | 6.8 | 71 |
| 89 | Characterisation of volatile components of Pinotage wines using comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry (GC×GC/OFMS). <i>Food Chemistry</i> , 2011 , 129, 188-199 | 8.5 | 66 |
| 88 | The epidemiological and molecular aspects of influenza H5N1 viruses at the human-animal interface in Egypt. <i>PLoS ONE</i> , 2011 , 6, e17730 | 3.7 | 49 |
| 87 | Molecular docking, molecular dynamics, and studies reveal the potential of angiotensin II receptor blockers to inhibit the COVID-19 main protease. <i>Heliyon</i> , 2020 , 6, e05641 | 3.6 | 48 |
| 86 | FDA-Approved Drugs with Potent In Vitro Antiviral Activity against Severe Acute Respiratory Syndrome Coronavirus 2. <i>Pharmaceuticals</i> , 2020 , 13, | 5.2 | 47 |
| 85 | Influenza virus-induced caspase-dependent enlargement of nuclear pores promotes nuclear export of viral ribonucleoprotein complexes. <i>Journal of Virology</i> , 2015 , 89, 6009-21 | 6.6 | 46 |
| 84 | 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 | 4.5 | 43 |
| 83 | Continuing threat of influenza (H5N1) virus circulation in Egypt. <i>Emerging Infectious Diseases</i> , 2011 , 17, 2306-8 | 10.2 | 42 |
| 82 | Drug repurposing of nitazoxanide: can it be an effective therapy for COVID-19?. <i>Journal of Genetic Engineering and Biotechnology</i> , 2020 , 18, 35 | 3.1 | 39 |
| 81 | Middle East respiratory syndrome coronavirus infection in non-camelid domestic mammals. <i>Emerging Microbes and Infections</i> , 2019 , 8, 103-108 | 18.9 | 36 |
| 80 | Bioactive Polyphenolic Compounds Showing Strong Antiviral Activities against Severe Acute Respiratory Syndrome Coronavirus 2. <i>Pathogens</i> , 2021 , 10, | 4.5 | 33 |
| 79 | 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 | 4.9 | 32 |
| 78 | Strong Inhibitory Activity and Action Modes of Synthetic Maslinic Acid Derivative on Highly Pathogenic Coronaviruses: COVID-19 Drug Candidate. <i>Pathogens</i> , 2021 , 10, | 4.5 | 31 |
| 77 | Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in Dromedary Camels in Africa and Middle East. <i>Viruses</i> , 2019 , 11, | 6.2 | 29 |
| 76 | Telaprevir is a potential drug for repurposing against SARS-CoV-2: computational and studies. <i>Heliyon</i> , 2021 , 7, e07962 | 3.6 | 29 |
| 75 | 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 | 4 | 28 |

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| 74 | Characterization of an avian influenza virus H5N1 Egyptian isolate. <i>Journal of Virological Methods</i> , 2009 , 159, 244-50 | 2.6 | 26 |
| 73 | Bacterial Outer Membrane Vesicles (OMVs)-based Dual Vaccine for Influenza A H1N1 Virus and MERS-CoV. <i>Vaccines</i> , 2019 , 7, | 5.3 | 24 |
| 72 | The secRNome of <i>Listeria monocytogenes</i> Harbors Small Noncoding RNAs That Are Potent Inducers of Beta Interferon. <i>MBio</i> , 2019 , 10, | 7.8 | 24 |
| 71 | 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, 8843-52 | 6.6 | 23 |
| 70 | Global patterns of avian influenza A (H7): virus evolution and zoonotic threats. <i>FEMS Microbiology Reviews</i> , 2019 , 43, 608-621 | 15.1 | 22 |
| 69 | (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, | 4.8 | 22 |
| 68 | Design and synthesis of new 4-(2-nitrophenoxy)benzamide derivatives as potential antiviral agents: molecular modeling and in vitro antiviral screening. <i>New Journal of Chemistry</i> , 2021 , 45, 16557-16571 | 3.6 | 22 |
| 67 | Coding-Complete Genome Sequences of Two SARS-CoV-2 Isolates from Egypt. <i>Microbiology Resource Announcements</i> , 2020 , 9, | 1.3 | 21 |
| 66 | 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-TOF-MS). <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 12732-44 | 5.7 | 21 |
| 65 | Delineating a potent antiviral activity of extract loaded nano-formulation against SARS-CoV-2: studies. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 66, 102845 | 4.5 | 21 |
| 64 | 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 | 5.7 | 20 |
| 63 | EBlockers bearing hydroxyethylamine and hydroxyethylene as potential SARS-CoV-2 Mpro inhibitors: rational based design, , , and SAR studies for lead optimization.. <i>RSC Advances</i> , 2021 , 11, 35536-35558 | 2.7 | 19 |
| 62 | Improved dual promotor-driven reverse genetics system for influenza viruses. <i>Journal of Virological Methods</i> , 2013 , 193, 603-10 | 2.6 | 17 |
| 61 | Synthesis and Anti-Avian Influenza Virus (H5N1) Evaluation of Some Novel Nicotinonitriles and Their N-Acylic Nucleosides. <i>Journal of Heterocyclic Chemistry</i> , 2012 , 49, 1130-1135 | 1.9 | 17 |
| 60 | Naturally Available Flavonoid Aglycones as Potential Antiviral Drug Candidates against SARS-CoV-2. <i>Molecules</i> , 2021 , 26, | 4.8 | 16 |
| 59 | EGYVIR: An immunomodulatory herbal extract with potent antiviral activity against SARS-CoV-2. <i>PLoS ONE</i> , 2020 , 15, e0241739 | 3.7 | 15 |
| 58 | Immunogenicity and Safety of an Inactivated SARS-CoV-2 Vaccine: Preclinical Studies. <i>Vaccines</i> , 2021 , 9, | 5.3 | 15 |
| 57 | Ribonuclease from Acts as an Antiviral Agent against Negative- and Positive-Sense Single Stranded Human Respiratory RNA Viruses. <i>BioMed Research International</i> , 2017 , 2017, 5279065 | 3 | 14 |

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| 56 | 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 | 6.1 | 13 |
| 55 | Middle East Respiratory Syndrome Coronavirus (MERS-CoV): State of the Science. <i>Microorganisms</i> , 2020 , 8, | 4.9 | 12 |
| 54 | 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, 1505-15 | 2.6 | 12 |
| 53 | Repurposing of Sitagliptin- Melittin Optimized Nanoformula against SARS-CoV-2: Antiviral Screening and Molecular Docking Studies. <i>Pharmaceutics</i> , 2021 , 13, | 6.4 | 12 |
| 52 | 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, 809-20 | 1.4 | 11 |
| 51 | 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 | 4.9 | 11 |
| 50 | New quinoline-triazole conjugates: Synthesis, and antiviral properties against SARS-CoV-2. <i>Bioorganic Chemistry</i> , 2021 , 114, 105117 | 5.1 | 11 |
| 49 | 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 | 2.6 | 10 |
| 48 | 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 | 4.5 | 10 |
| 47 | 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 | 3.7 | 10 |
| 46 | 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 | 3.2 | 10 |
| 45 | 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 | 4.9 | 10 |
| 44 | Scrutinizing the Feasibility of Nonionic Surfactants to Form Isotropic Bicelles of Curcumin: a Potential Antiviral Candidate Against COVID-19.. <i>AAPS PharmSciTech</i> , 2021 , 23, 44 | 3.9 | 10 |
| 43 | Design, synthesis and preliminary antiviral screening of new N-phenylpyrazole and dihydroisoxazole derivatives. <i>Medicinal Chemistry Research</i> , 2010 , 19, 1025-1035 | 2.2 | 9 |
| 42 | Coronavirus Disease (COVID-19) Control between Drug Repurposing and Vaccination: A Comprehensive Overview. <i>Vaccines</i> , 2021 , 9, | 5.3 | 9 |
| 41 | In Silico and In Vivo Evaluation of SARS-CoV-2 Predicted Epitopes-Based Candidate Vaccine. <i>Molecules</i> , 2021 , 26, | 4.8 | 9 |
| 40 | 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, | 4.9 | 9 |
| 39 | Avian influenza H5N1 vaccination efficacy in Egyptian backyard poultry. <i>Vaccine</i> , 2017 , 35, 6195-6201 | 4.1 | 8 |

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| 38 | Newly Synthesized Series of Oxindole-Oxadiazole Conjugates as Potential Anti-SARS-CoV-2 Agents: In Silico and In Vitro Studies. <i>New Journal of Chemistry</i> , | 3.6 | 8 |
| 37 | 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 | 7.6 | 8 |
| 36 | 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 | 3.4 | 7 |
| 35 | Growth factors and cytokines in patients with long bone fractures and associated spinal cord injury. <i>Journal of Orthopaedics</i> , 2016 , 13, 69-75 | 1.6 | 7 |
| 34 | 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 | 2.9 | 7 |
| 33 | Thoracoscopic management of early stages of empyema: is this the golden standard?. <i>Journal of Visualized Surgery</i> , 2018 , 4, 114 | 0.3 | 7 |
| 32 | Influenza H3N2 Vaccines: Recent Challenges. <i>Trends in Microbiology</i> , 2018 , 26, 87-89 | 12.4 | 6 |
| 31 | 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 | 2.6 | 6 |
| 30 | Structure- and Ligand-Based Studies towards the Repurposing of Marine Bioactive Compounds to Target SARS-CoV-2.. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103092 | 5.9 | 6 |
| 29 | Time-Resolved Systems Medicine Reveals Viral Infection-Modulating Host Targets. <i>Systems Medicine (New Rochelle, N Y)</i> , 2019 , 2, 1-9 | 1.6 | 5 |
| 28 | Prevalence of Severe Acute Respiratory Syndrome Coronavirus 2 Neutralizing Antibodies in Egyptian Convalescent Plasma Donors. <i>Frontiers in Microbiology</i> , 2020 , 11, 596851 | 5.7 | 5 |
| 27 | 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 | 2.3 | 5 |
| 26 | 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 | 1.7 | 5 |
| 25 | H5 Influenza Viruses in Egypt. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2021 , 11, | 5.4 | 5 |
| 24 | 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, | 6.2 | 4 |
| 23 | Itaconate and derivatives reduce interferon responses and inflammation in influenza A virus infection.. <i>PLoS Pathogens</i> , 2022 , 18, e1010219 | 7.6 | 4 |
| 22 | Common childhood vaccines do not elicit a cross-reactive antibody response against SARS-CoV-2. <i>PLoS ONE</i> , 2020 , 15, e0241471 | 3.7 | 4 |
| 21 | 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 ^{1.4} | 1.4 | 4 |

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| 20 | Improved 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 | 5.7 | 4 |
| 19 | 3-Alkenyl-2-oxindoles: Synthesis, antiproliferative and antiviral properties against SARS-CoV-2. <i>Bioorganic Chemistry</i> , 2021 , 114, 105131 | 5.1 | 4 |
| 18 | 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 | 3.2 | 3 |
| 17 | Synthesis of aspirin-curcumin mimic conjugates of potential antitumor and anti-SARS-CoV-2 properties. <i>Bioorganic Chemistry</i> , 2021 , 117, 105466 | 5.1 | 3 |
| 16 | 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 | 3.7 | 3 |
| 15 | Anti-Influenza Activity of the Ribonuclease Binase: Cellular Targets Detected by Quantitative Proteomics. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 3 |
| 14 | 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, | 4.5 | 3 |
| 13 | Discovery of novel oxazole-based macrocycles as anti-coronaviral agents targeting SARS-CoV-2 main protease. <i>Bioorganic Chemistry</i> , 2021 , 116, 105363 | 5.1 | 3 |
| 12 | Itaconate and derivatives reduce interferon responses and inflammation in influenza A virus infection | | 3 |
| 11 | 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, | 6.3 | 2 |
| 10 | New Pyrazine Conjugates: Synthesis, Computational Studies, and Antiviral Properties against SARS-CoV-2. <i>ChemMedChem</i> , 2021 , 16, 3418-3427 | 3.7 | 2 |
| 9 | Antiviral activity of chitosan nanoparticles encapsulating silymarin (Sil@NPs) against SARS-CoV-2 (in silico and in vitro study). <i>RSC Advances</i> , 2022 , 12, 15775-15786 | 3.7 | 2 |
| 8 | 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, | 6.2 | 1 |
| 7 | Immune Checkpoint Regulators: A New Era Toward Promising Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2020 , 20, 429-460 | 2.8 | 0 |
| 6 | 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 | 3.7 | 0 |
| 5 | Determinants of having severe acute respiratory syndrome coronavirus 2 neutralizing antibodies in Egypt. <i>Influenza and Other Respiratory Viruses</i> , 2021 , 15, 750-756 | 5.6 | 0 |
| 4 | Ollier Disease With Sole Chest Wall Involvement. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 327 | 2.7 | |
| 3 | Stenting in Non-Small Cell Lung Cancer: How Does It Affect the Outcomes?. <i>Asian Pacific Journal of Cancer Prevention</i> , 2020 , 21, 175-178 | 1.7 | |

- 2 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 1.9
- 1 Antiviral properties of clove (*Syzygium aromaticum*) **2022**, 675-682