

Fadhel Ahmed Alomar

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

241
citations

1307594

7
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	A Glutathione-independent Glyoxalase of the DJ-1 Superfamily Plays an Important Role in Managing Metabolically Generated Methylglyoxal in <i>Candida albicans</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 1662-1674.	3.4	75
2	Carbonylation Induces Heterogeneity in Cardiac Ryanodine Receptor Function in Diabetes Mellitus. <i>Molecular Pharmacology</i> , 2012, 82, 383-399.	2.3	37
3	Reactive carbonyl species and their roles in sarcoplasmic reticulum Ca ²⁺ cycling defect in the diabetic heart. <i>Heart Failure Reviews</i> , 2014, 19, 101-112.	3.9	28
4	Quality by design (QbD) based development and validation of bioanalytical RP-HPLC method for dapagliflozin: Forced degradation and preclinical pharmacokinetic study. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020, 43, 53-65.	1.0	24
5	Smooth muscle-generated methylglyoxal impairs endothelial cell-mediated vasodilatation of cerebral microvessels in type 1 diabetic rats. <i>British Journal of Pharmacology</i> , 2016, 173, 3307-3326.	5.4	17
6	Antibiotic-Loaded Psyllium Husk Hemicellulose and Gelatin-Based Polymeric Films for Wound Dressing Application. <i>Pharmaceutics</i> , 2021, 13, 236.	4.5	15
7	Thymoquinone Potentiates the Effect of Phenytoin against Electroshock-Induced Convulsions in Rats by Reducing the Hyperactivation of m-TOR Pathway and Neuroinflammation: Evidence from In Vivo, In Vitro and Computational Studies. <i>Pharmaceutics</i> , 2021, 14, 1132.	3.8	9
8	Adeno-Associated Viral Transfer of Glyoxalase-1 Blunts Carbonyl and Oxidative Stresses in Hearts of Type 1 Diabetic Rats. <i>Antioxidants</i> , 2020, 9, 592.	5.1	8
9	Arabinoxylan-Carboxymethylcellulose Composite Films for Antibiotic Delivery to Infected Wounds. <i>Polymers</i> , 2022, 14, 1769.	4.5	7
10	Formulation of amorphous ternary solid dispersions of dapagliflozin using PEG 6000 and Poloxamer 188: solid-state characterization, <i>in vivo</i> study, and molecular simulation assessment. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 1458-1467.	2.0	5
11	HIV-1-Associated Left Ventricular Cardiac Dysfunction in Humanized Mice. <i>Scientific Reports</i> , 2020, 10, 9746.	3.3	5
12	Efavirenz, atazanavir, and ritonavir disrupt sarcoplasmic reticulum Ca ²⁺ homeostasis in skeletal muscles. <i>Antiviral Research</i> , 2021, 187, 104975.	4.1	4
13	A Link Between Methylglyoxal and Heart Failure During HIV-1 Infection. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 792180.	2.4	3
14	Elevated plasma level of the glycolysis byproduct methylglyoxal on admission is an independent biomarker of mortality in ICU COVID-19 patients. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
15	GLYOXAL AND METHYLGLYOXAL BUT NOT 4-HYDROXYNONENAL AND MALONDIALDEHYDE FORM ADDUCTS ON CARDIAC RYANODINE RECEPTOR (RyR2) AND SARCO(ENDO)PLASMIC RETICULUM Ca ²⁺ ATPASE (SERCA2) IN DIABETES. <i>FASEB Journal</i> , 2013, 27, 1192.15.	0.5	1
16	Elevated Vulnerability of Chronic Leukemia Patients to COVID-19 Infection: A Systems Biology Approach. <i>Dr Sulaiman Al Habib Medical Journal</i> , 2022, 4, 32-45.	0.8	1
17	Targeted glyoxalase-1 gene transfer to prevent cardiac dysfunction in diabetes (1078.8). <i>FASEB Journal</i> , 2014, 28, .	0.5	0
18	Glyoxalase-1 gene transfer prevents cerebral deficits in rats with type 1 diabetes (841.9). <i>FASEB Journal</i> , 2014, 28, 841.9.	0.5	0

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19	Methylglyoxal and Its Role in Obesity-Associated Heart Failure with Preserved Ejection Fraction. , 2021, , 353-372.		0