

Abdullah Al Mamun

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

1,773
citations

25
h-index

39
g-index

86
ext. papers

2,465
ext. citations

4.5
avg, IF

5.49
L-index

#	Paper	IF	Citations
78	Autophagy and Alzheimer's Disease: From Molecular Mechanisms to Therapeutic Implications. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 04	5.3	189
77	APOE and Alzheimer's Disease: Evidence Mounts that Targeting APOE4 may Combat Alzheimer's Pathogenesis. <i>Molecular Neurobiology</i> , 2019 , 56, 2450-2465	6.2	88
76	Autophagic dysfunction in Alzheimer's disease: Cellular and molecular mechanistic approaches to halt Alzheimer's pathogenesis. <i>Journal of Cellular Physiology</i> , 2019 , 234, 8094-8112	7	79
75	Toxic tau: structural origins of tau aggregation in Alzheimer's disease. <i>Neural Regeneration Research</i> , 2020 , 15, 1417-1420	4.5	72
74	Emerging promise of sulforaphane-mediated Nrf2 signaling cascade against neurological disorders. <i>Science of the Total Environment</i> , 2020 , 707, 135624	10.2	72
73	Nootropic and Anti-Alzheimer's Actions of Medicinal Plants: Molecular Insight into Therapeutic Potential to Alleviate Alzheimer's Neuropathology. <i>Molecular Neurobiology</i> , 2019 , 56, 4925-4944	6.2	62
72	Increases in oxidized low-density lipoprotein and other inflammatory and adhesion molecules with a concomitant decrease in high-density lipoprotein in the individuals exposed to arsenic in Bangladesh. <i>Toxicological Sciences</i> , 2013 , 135, 17-25	4.4	59
71	Combination Drug Therapy for the Management of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	55
70	Circadian and sleep dysfunction in Alzheimer's disease. <i>Ageing Research Reviews</i> , 2020 , 60, 101046	12	51
69	A Comprehensive Review of the Load Forecasting Techniques Using Single and Hybrid Predictive Models. <i>IEEE Access</i> , 2020 , 8, 134911-134939	3.5	50
68	Pharmacological approaches to mitigate neuroinflammation in Alzheimer's disease. <i>International Immunopharmacology</i> , 2020 , 84, 106479	5.8	49
67	Exploring the Effect of L. on Cognitive Performance, Brain Antioxidant Markers and Acetylcholinesterase Activity in Rats: Promising Natural Gift for the Mitigation of Alzheimer's Disease. <i>Annals of Neurosciences</i> , 2016 , 23, 218-229	1.1	46
66	Enzyme-free impedimetric glucose sensor based on gold nanoparticles/polyaniline composite film. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 1933-1939	2.6	46
65	Cost-Effective Electrochemical Sensor Based on Carbon Nanotube Modified-Pencil Electrode for the Simultaneous Determination of Hydroquinone and Catechol. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B390-B397	3.9	46
64	Neuroprotective role of polyphenols against oxidative stress-mediated neurodegeneration. <i>European Journal of Pharmacology</i> , 2020 , 886, 173412	5.3	44
63	Exploring the multimodal role of phytochemicals in the modulation of cellular signaling pathways to combat age-related neurodegeneration. <i>Science of the Total Environment</i> , 2020 , 725, 138313	10.2	37
62	Spectrum of Disease and Prescription Pattern for Outpatients with Neurological Disorders: An Empirical Pilot Study in Bangladesh. <i>Annals of Neurosciences</i> , 2018 , 25, 25-37	1.1	36

61	Revisiting the role of brain and peripheral A β in the pathogenesis of Alzheimer's disease. <i>Journal of the Neurological Sciences</i> , 2020 , 416, 116974	3.2	34
60	Exploring the Promise of Targeting Ubiquitin-Proteasome System to Combat Alzheimer's Disease. <i>Neurotoxicity Research</i> , 2020 , 38, 8-17	4.3	32
59	Elevated levels of plasma uric acid and its relation to hypertension in arsenic-endemic human individuals in Bangladesh. <i>Toxicology and Applied Pharmacology</i> , 2014 , 281, 11-8	4.6	32
58	Analyzing the chance of developing dementia among geriatric people: a cross-sectional pilot study in Bangladesh. <i>Psychogeriatrics</i> , 2019 , 19, 87-94	1.8	31
57	Molecular Insight into the Therapeutic Promise of Targeting for Alzheimer's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 5086250	6.7	28
56	Elevated levels of plasma Big endothelin-1 and its relation to hypertension and skin lesions in individuals exposed to arsenic. <i>Toxicology and Applied Pharmacology</i> , 2012 , 259, 187-94	4.6	28
55	Associations of total arsenic in drinking water, hair and nails with serum vascular endothelial growth factor in arsenic-endemic individuals in Bangladesh. <i>Chemosphere</i> , 2015 , 120, 336-42	8.4	26
54	Role of pyroptosis in spinal cord injury and its therapeutic implications. <i>Journal of Advanced Research</i> , 2021 , 28, 97-109	13	25
53	Interrupted fatigue testing with periodic tomography to monitor porosity defects in wire + arc additive manufactured Ti-6Al-4V. <i>Additive Manufacturing</i> , 2019 , 28, 517-527	6.1	24
52	KDS2010: A Potent Highly Selective and Reversible MAO-B Inhibitor for Alzheimer's Disease. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2020 , 23, 836-841	1.3	22
51	Emerging Proof of Protein Misfolding and Interactions in Multifactorial Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , 2020 , 20, 2380-2390	3	22
50	Role of pyroptosis in liver diseases. <i>International Immunopharmacology</i> , 2020 , 84, 106489	5.8	21
49	Trehalose promotes the survival of random-pattern skin flaps by TFEB mediated autophagy enhancement. <i>Cell Death and Disease</i> , 2019 , 10, 483	9.8	19
48	Endothelial PPAR γ s Crucial for Averting Age-Related Vascular Dysfunction by Stalling Oxidative Stress and ROCK. <i>Neurotoxicity Research</i> , 2019 , 36, 583-601	4.3	19
47	Multi-Target Drug Candidates for Multifactorial Alzheimer's Disease: AChE and NMDAR as Molecular Targets. <i>Molecular Neurobiology</i> , 2021 , 58, 281-303	6.2	19
46	Phytochemical analysis and antioxidant profile of methanolic extract of seed, pulp and peel of <i>Baccaurea ramiflora</i> Lour.. <i>Asian Pacific Journal of Tropical Medicine</i> , 2018 , 11, 443	2.1	18
45	Epigenetics of glioblastoma multiforme: From molecular mechanisms to therapeutic approaches. <i>Seminars in Cancer Biology</i> , 2020 ,	12.7	18
44	Exploring the Promise of Flavonoids to Combat Neuropathic Pain: From Molecular Mechanisms to Therapeutic Implications. <i>Frontiers in Neuroscience</i> , 2020 , 14, 478	5.1	17

43	Hydrogen Peroxide Biosensor based on the Immobilization of Horseradish Peroxidase onto a Gold Nanoparticles-Adsorbed Poly(brilliant cresyl blue) Film. <i>Journal of the Electrochemical Society</i> , 2015 , 162, B52-B56	3.9	16
42	Platelet-derived growth factor up-regulates Ca-sensing receptors in idiopathic pulmonary arterial hypertension. <i>FASEB Journal</i> , 2019 , 33, 7363-7374	0.9	15
41	Exploring the Multifunctional Neuroprotective Promise of Rasagiline Derivatives for Multi-Dysfunctional Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , 2020 , 26, 4690-4698	3.3	15
40	Emerging Promise of Cannabinoids for the Management of Pain and Associated Neuropathological Alterations in Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1097	5.6	13
39	DL-3-n-butylphthalide ameliorates diabetes-associated cognitive decline by enhancing PI3K/Akt signaling and suppressing oxidative stress. <i>Acta Pharmacologica Sinica</i> , 2021 , 42, 347-360	8	13
38	Activator of G-protein signaling 8 is involved in VEGF-mediated signal processing during angiogenesis. <i>Journal of Cell Science</i> , 2016 , 129, 1210-22	5.3	11
37	Advances in immunomodulatory therapy for severe acute pancreatitis. <i>Immunology Letters</i> , 2020 , 217, 72-76	4.1	11
36	Role of NLRP3 inflammasome in liver disease. <i>Journal of Digestive Diseases</i> , 2020 , 21, 430-436	3.3	10
35	Hypoxia induces the translocation of glucose transporter 1 to the plasma membrane in vascular endothelial cells. <i>Journal of Physiological Sciences</i> , 2020 , 70, 44	2.3	9
34	Emerging Therapeutic Promise of Ketogenic Diet to Attenuate Neuropathological Alterations in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2020 , 57, 4961-4977	6.2	9
33	Exploring Potential of Alkaloidal Phytochemicals Targeting Neuroinflammatory Signaling of Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , 2021 , 27, 357-366	3.3	9
32	VEGFR-3 signaling is regulated by a G-protein activator, activator of G-protein signaling 8, in lymphatic endothelial cells. <i>Experimental Cell Research</i> , 2018 , 368, 13-23	4.2	8
31	Protection of cardiomyocytes from the hypoxia-mediated injury by a peptide targeting the activator of G-protein signaling 8. <i>PLoS ONE</i> , 2014 , 9, e91980	3.7	8
30	Phytochemical Screening and Antioxidant Profile of Syngonium podophyllum Schott Stems: A Fecund Phytopharmakon. <i>Journal of Pharmacy and Nutrition Sciences (discontinued)</i> , 2018 , 8, 120-128	0.3	7
29	The therapeutic effect of TBK1 in intervertebral disc degeneration via coordinating selective autophagy and autophagic functions. <i>Journal of Advanced Research</i> , 2021 , 30, 1-13	13	7
28	Role of pyroptosis in cancer and its therapeutic regulation. <i>European Journal of Pharmacology</i> , 2021 , 910, 174444	5.3	7
27	Microstructure-informed, predictive crystal plasticity finite element model of fatigue-dwells. <i>Computational Materials Science</i> , 2020 , 183, 109823	3.2	6
26	In vitro quality evaluation of leading brands of ciprofloxacin tablets available in Bangladesh. <i>BMC Research Notes</i> , 2017 , 10, 185	2.3	6

25	Chemerin facilitates intervertebral disc degeneration via TLR4 and CMKLR1 and activation of NF-kB signaling pathway. <i>Aging</i> , 2020 , 12, 11732-11753	5.6	6
24	Role of Pyroptosis in Diabetes and Its Therapeutic Implications. <i>Journal of Inflammation Research</i> , 2021 , 14, 2187-2206	4.8	6
23	A Hybrid Deep Learning Model with Evolutionary Algorithm for Short-Term Load Forecasting 2019 ,		6
22	Advances in immunotherapy for the treatment of spinal cord injury. <i>Immunobiology</i> , 2021 , 226, 152033	3.4	6
21	Role of pyroptosis in diabetic retinopathy and its therapeutic implications. <i>European Journal of Pharmacology</i> , 2021 , 904, 174166	5.3	6
20	Pyroptosis in diabetic nephropathy. <i>Clinica Chimica Acta</i> , 2021 , 523, 131-143	6.2	6
19	Acute spinal cord injury: Pathophysiology and pharmacological intervention (Review). <i>Molecular Medicine Reports</i> , 2021 , 23,	2.9	5
18	Adenosine triphosphate is a critical determinant for VEGFR signal during hypoxia. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 311, C985-C995	5.4	4
17	Neurotoxic Aβ Linking Extracellular and Intracellular Aβ in Alzheimer's Disease. <i>Current Protein and Peptide Science</i> , 2021 , 22, 442-448	2.8	4
16	A novel insight into the primary creep regeneration behaviour of a polycrystalline material at high-temperature using in-situ neutron diffraction. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 786, 139374	5.3	3
15	Molecular Insight into the Crosstalk of UPS Components and Alzheimer's Disease. <i>Current Protein and Peptide Science</i> , 2020 , 21, 1193-1201	2.8	3
14	Activator of G-protein signaling 8 is involved in VEGF-induced choroidal neovascularization. <i>Scientific Reports</i> , 2019 , 9, 1560	4.9	2
13	Fibroblast growth factor 1 ameliorates diabetes-induced splenomegaly via suppressing inflammation and oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 528, 249-255	3.4	2
12	Effect of Plasticity on Creep Deformation in Type 316H Stainless Steel 2019 ,		2
11	Comparison of the Hypoglycemic, Hypolipidemic and Hepatoprotective Effects of <i>Asparagus racemosus</i> Linn. in Combination with Gliclazide and Pioglitazone on Alloxan-Induced Diabetic Rats. <i>Pharmacology & Pharmacy</i> , 2017 , 08, 52-74	0.3	2
10	Genistein, a Potential Phytochemical against Breast Cancer Treatment-Insight into the Molecular Mechanisms. <i>Processes</i> , 2022 , 10, 415	2.9	2
9	In vivo analysis of toxic effect of hydrose used in food preparations in Bangladesh. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2014 , 4, 884-889	1.4	1
8	Maltol Promotes Mitophagy and Inhibits Oxidative Stress via the Nrf2/PINK1/Parkin Pathway after Spinal Cord Injury.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 1337630	6.7	1

7	Exploring the Role of Aggregated Proteomes in the Pathogenesis of Alzheimer's Disease. <i>Current Protein and Peptide Science</i> , 2020 , 21, 1164-1173	2.8	1
6	On the performance of monopile weldments under service loading conditions and fatigue damage prediction. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021 , 44, 1469-1483	3	1
5	Exploring the role of senescence inducers and senotherapeutics as targets for anticancer natural products.. <i>European Journal of Pharmacology</i> , 2022 , 174991	5.3	1
4	The effects of internal stresses on the creep deformation investigated using in-situ synchrotron diffraction and crystal plasticity modelling. <i>International Journal of Solids and Structures</i> , 2021 , 229, 111127	3.7	0
3	Pharmacological Properties to Pharmacological Insight of Sesamin in Breast Cancer Treatment: A Literature-Based Review Study.. <i>International Journal of Breast Cancer</i> , 2022 , 2022, 2599689	2.3	0
2	Post-Translational Modifications in Neurodegeneration. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2020 , 129-153	0.2	
1	Sensitivity Control of Hydroquinone and Catechol at Poly(Brilliant Cresyl Blue)-Modified GCE by Varying Activation Conditions of the GCE: An Experimental and Computational Study. <i>ChemEngineering</i> , 2022 , 6, 27	2.6	