Abdullah Al Mamun

List of Publications by Year
in descending order

85 papers	3,207 citations	147786 31 h-index	175241 52 g-index
86 all docs	86 docs citations	86 times ranked	3400 citing authors

#	Article	IF	Citations
1	Autophagy and Alzheimerâ€™s Disease: From Molecular Mechanisms to Therapeutic Implications. Frontiers in Aging Neuroscience, 2018, 10, 04.	3.4	285
2	A Comprehensive Review of the Load Forecasting Techniques Using Single and Hybrid Predictive Models. IEEE Access, 2020, 8, 134911-134939.	4.2	152
3	APOE and Alzheimerâ€™s Disease: Evidence Mounts that Targeting APOE4 may Combat Alzheimerâ€™s Pathogenesis. Molecular Neurobiology, 2019, 56, 2450-2465.	4.0	140
4	Autophagic dysfunction in Alzheimerâ€™s disease: Cellular and molecular mechanistic approaches to halt Alzheimerâ€™s pathogenesis. Journal of Cellular Physiology, 2019, 234, 8094-8112.	4.1	111
5	Combination Drug Therapy for the Management of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 3272.	4.1	110
6	Emerging promise of sulforaphane-mediated Nrf2 signaling cascade against neurological disorders. Science of the Total Environment, 2020, 707, 135624.	8.0	108
7	Toxic tau: structural origins of tau aggregation in Alzheimer's disease. Neural Regeneration Research, 2020, 15, 1417.	3.0	104
8	Circadian and sleep dysfunction in Alzheimerâ€™s disease. Ageing Research Reviews, 2020, 60, 101046.	10.9	99
9	Role of pyroptosis in spinal cord injury and its therapeutic implications. Journal of Advanced Research, 2021, 28, 97-109.	9.5	94
10	Nootropic and Anti-Alzheimerâ€™s Actions of Medicinal Plants: Molecular Insight into Therapeutic Potential to Alleviate Alzheimerâ€™s Neuropathology. Molecular Neurobiology, 2019, 56, 4925-4944.	4.0	87
11	Epigenetics of glioblastoma multiforme: From molecular mechanisms to therapeutic approaches. Seminars in Cancer Biology, 2022, 83, 100-120.	9.6	85
12	Neuroprotective role of polyphenols against oxidative stress-mediated neurodegeneration. European Journal of Pharmacology, 2020, 886, 173412.	3.5	74
13	Pharmacological approaches to mitigate neuroinflammation in Alzheimerâ€™s disease. International Immunopharmacology, 2020, 84, 106479.	3.8	73
14	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. Toxicological Sciences, 2013, 135, 17-25.	3.1	69
15	Exploring the Effect of <i>Phyllanthus emblica</i> L. on Cognitive Performance, Brain Antioxidant Markers and Acetylcholinesterase Activity in Rats: Promising Natural Gift for the Mitigation of Alzheimer's Disease. Annals of Neurosciences, 2016, 23, 218-229.	1.7	67
16	Acute spinal cord injury: Pathophysiology and pharmacological intervention (Review). Molecular Medicine Reports, 2021, 23, .	2.4	59
17	Cost-Effective Electrochemical Sensor Based on Carbon Nanotube Modified-Pencil Electrode for the Simultaneous Determination of Hydroquinone and Catechol. Journal of the Electrochemical Society, 2018, 165, B390-B397.	2.9	58
18	Exploring the multimodal role of phytochemicals in the modulation of cellular signaling pathways to combat age-related neurodegeneration. Science of the Total Environment, 2020, 725, 138313.	8.0	58

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19	Multi-Target Drug Candidates for Multifactorial Alzheimerâ€™s Disease: AChE and NMDAR as Molecular Targets. Molecular Neurobiology, 2021, 58, 281-303.	4.0	53
20	DL-3-n-butylphthalide ameliorates diabetes-associated cognitive decline by enhancing PI3K/Akt signaling and suppressing oxidative stress. Acta Pharmacologica Sinica, 2021, 42, 347-360.	6.1	53
21	Enzyme-free impedimetric glucose sensor based on gold nanoparticles/polyaniline composite film. Journal of Solid State Electrochemistry, 2016, 20, 1933-1939.	2.5	51
22	Revisiting the role of brain and peripheral AÎ² in the pathogenesis of Alzheimer's disease. Journal of the Neurological Sciences, 2020, 416, 116974.	0.6	48
23	Role of pyroptosis in liver diseases. International Immunopharmacology, 2020, 84, 106489.	3.8	48
24	Exploring the Promise of Targeting Ubiquitin-Proteasome System to Combat Alzheimerâ€™s Disease. Neurotoxicity Research, 2020, 38, 8-17.	2.7	45
25	Trehalose promotes the survival of random-pattern skin flaps by TFEB mediated autophagy enhancement. Cell Death and Disease, 2019, 10, 483.	6.3	44
26	Elevated levels of plasma uric acid and its relation to hypertension in arsenic-endemic human individuals in Bangladesh. Toxicology and Applied Pharmacology, 2014, 281, 11-18.	2.8	41
27	Emerging Proof of Protein Misfolding and Interactions in Multifactorial Alzheimer's Disease. Current Topics in Medicinal Chemistry, 2020, 20, 2380-2390.	2.1	41
28	Spectrum of Disease and Prescription Pattern for Outpatients with Neurological Disorders: An Empirical Pilot Study in Bangladesh. Annals of Neurosciences, 2018, 25, 25-37.	1.7	40
29	Analyzing the chance of developing dementia among geriatric people: a crossâ€sectional pilot study in Bangladesh. Psychogeriatrics, 2019, 19, 87-94.	1.2	40
30	Pyroptosis in diabetic nephropathy. Clinica Chimica Acta, 2021, 523, 131-143.	1.1	40
31	Molecular Insight into the Therapeutic Promise of TargetingAPOE4for Alzheimerâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-16.	4.0	38
32	Interrupted fatigue testing with periodic tomography to monitor porosity defects in wire + arc additive manufactured Ti-6Al-4V. Additive Manufacturing, 2019, 28, 517-527.	3.0	37
33	Elevated levels of plasma Big endothelin-1 and its relation to hypertension and skin lesions in individuals exposed to arsenic. Toxicology and Applied Pharmacology, 2012, 259, 187-194.	2.8	31
34	Associations of total arsenic in drinking water, hair and nails with serum vascular endothelial growth factor in arsenic-endemic individuals in Bangladesh. Chemosphere, 2015, 120, 336-342.	8.2	30
35	Exploring the Promise of Flavonoids to Combat Neuropathic Pain: From Molecular Mechanisms to Therapeutic Implications. Frontiers in Neuroscience, 2020, 14, 478.	2.8	30
36	Genistein, a Potential Phytochemical against Breast Cancer Treatment-Insight into the Molecular Mechanisms. Processes, 2022, 10, 415.	2.8	30

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37	Activator of G-protein signaling 8 is involved in VEGF-mediated signal processing in angiogenesis. Journal of Cell Science, 2016, 129, 1210-22.	2.0	29
38	Role of pyroptosis in cancer and its therapeutic regulation. European Journal of Pharmacology, 2021, 910, 174444.	3.5	29
39	Role of Pyroptosis in Diabetes and Its Therapeutic Implications. Journal of Inflammation Research, 2021, Volume 14, 2187-2206.	3.5	27
40	KDS2010: A Potent Highly Selective and Reversible MAO-B Inhibitor for Alzheimerâ€™s Disease. Combinatorial Chemistry and High Throughput Screening, 2020, 23, 836-841.	1.1	27
41	Role of NLRP3 inflammasome in liver disease. Journal of Digestive Diseases, 2020, 21, 430-436.	1.5	26
42	Role of pyroptosis in diabetic retinopathy and its therapeutic implications. European Journal of Pharmacology, 2021, 904, 174166.	3.5	26
43	Hypoxia induces the translocation of glucose transporter 1 to the plasma membrane in vascular endothelial cells. Journal of Physiological Sciences, 2020, 70, 44.	2.1	25
44	Emerging Promise of Cannabinoids for the Management of Pain and Associated Neuropathological Alterations in Alzheimerâ€™s Disease. Frontiers in Pharmacology, 2020, 11, 1097.	3.5	25
45	Phytochemical analysis and antioxidant profile of methanolic extract of seed, pulp and peel of Baccaurea ramiflora Lour.. Asian Pacific Journal of Tropical Medicine, 2018, 11, 443.	0.8	25
46	Plateletâ€derived growth factor upâ€regulates Ca ²⁺ â€sensing receptors in idiopathic pulmonary arterial hypertension. FASEB Journal, 2019, 33, 7363-7374.	0.5	24
47	Endothelial PPARÎ³ Is Crucial for Averting Age-Related Vascular Dysfunction by Stalling Oxidative Stress and ROCK. Neurotoxicity Research, 2019, 36, 583-601.	2.7	23
48	Advances in immunomodulatory therapy for severe acute pancreatitis. Immunology Letters, 2020, 217, 72-76.	2.5	23
49	Pyroptosis in acute pancreatitis and its therapeutic regulation. Apoptosis: an International Journal on Programmed Cell Death, 2022, 27, 465-481.	4.9	22
50	Advances in immunotherapy for the treatment of spinal cord injury. Immunobiology, 2021, 226, 152033.	1.9	20
51	Chemerin facilitates intervertebral disc degeneration via TLR4 and CMKLR1 and activation of NF-kB signaling pathway. Aging, 2020, 12, 11732-11753.	3.1	20
52	Maltol Promotes Mitophagy and Inhibits Oxidative Stress via the Nrf2/PINK1/Parkin Pathway after Spinal Cord Injury. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	4.0	20
53	Hydrogen Peroxide Biosensor based on the Immobilization of Horseradish Peroxidase onto a Gold Nanoparticles-Adsorbed Poly(brilliant cresyl blue) Film. Journal of the Electrochemical Society, 2015, 162, B52-B56.	2.9	19
54	Exploring the Multifunctional Neuroprotective Promise of Rasagiline Derivatives for Multi-Dysfunctional Alzheimerâ€™s Disease. Current Pharmaceutical Design, 2020, 26, 4690-4698.	1.9	19

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55	The therapeutic effect of TBK1 in intervertebral disc degeneration via coordinating selective autophagy and autophagic functions. Journal of Advanced Research, 2021, 30, 1-13.	9.5	17
56	In vitro quality evaluation of leading brands of ciprofloxacin tablets available in Bangladesh. BMC Research Notes, 2017, 10, 185.	1.4	16
57	Emerging Therapeutic Promise of Ketogenic Diet to Attenuate Neuropathological Alterations in Alzheimerâ€™s Disease. Molecular Neurobiology, 2020, 57, 4961-4977.	4.0	16
58	Investigating Polyphenol Nanoformulations for Therapeutic Targets against Diabetes Mellitus. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-16.	1.2	16
59	A Hybrid Deep Learning Model with Evolutionary Algorithm for Short-Term Load Forecasting. , 2019, , .		11
60	Exploring Potential of Alkaloidal Phytochemicals Targeting Neuroinflammatory Signaling of Alzheimer's Disease. Current Pharmaceutical Design, 2021, 27, 357-366.	1.9	11
61	Microstructure-informed, predictive crystal plasticity finite element model of fatigue-dwells. Computational Materials Science, 2020, 183, 109823.	3.0	10
62	Pharmacological Properties to Pharmacological Insight of Sesamin in Breast Cancer Treatment: A Literature-Based Review Study. International Journal of Breast Cancer, 2022, 2022, 1-13.	1.2	10
63	Protection of Cardiomyocytes from the Hypoxia-Mediated Injury by a Peptide Targeting the Activator of G-Protein Signaling 8. PLoS ONE, 2014, 9, e91980.	2.5	9
64	VEGFR-3 signaling is regulated by a G-protein activator, activator of G-protein signaling 8, in lymphatic endothelial cells. Experimental Cell Research, 2018, 368, 13-23.	2.6	9
65	Exploring the Role of Aggregated Proteomes in the Pathogenesis of Alzheimerâ€™s Disease. Current Protein and Peptide Science, 2020, 21, 1164-1173.	1.4	9
66	Molecular Insight into the Crosstalk of UPS Components and Alzheimerâ€™s Disease. Current Protein and Peptide Science, 2020, 21, 1193-1201.	1.4	9
67	Phytochemical Screening and Antioxidant Profile of Syngonium podophyllum Schott Stems: A Fecund Phytopharmakon. Journal of Pharmacy and Nutrition Sciences (discontinued), 2018, 8, 120-128.	0.4	8
68	Exploring the role of senescence inducers and senotherapeutics as targets for anticancer natural products. European Journal of Pharmacology, 2022, 928, 174991.	3.5	7
69	Fibroblast growth factor 1 ameliorates diabetes-induced splenomegaly via suppressing inflammation and oxidative stress. Biochemical and Biophysical Research Communications, 2020, 528, 249-255.	2.1	6
70	On the performance of monopile weldments under service loading conditions and fatigue damage prediction. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1469-1483.	3.4	6
71	Adenosine triphosphate is a critical determinant for VEGFR signal during hypoxia. American Journal of Physiology - Cell Physiology, 2016, 311, C985-C995.	4.6	5
72	A novel insight into the primary creep regeneration behaviour of a polycrystalline material at high-temperature using in-situ neutron diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 786, 139374.	5.6	4

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73	Neurotoxic AÎ²: Linking Extracellular and Intracellular AÎ² in Alzheimerâ€™s Disease. Current Protein and Peptide Science, 2021, 22, 442-448.	1.4	4
74	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. Pharmacology & Pharmacy, 2017, 08, 52-74.	0.7	4
75	Future of power generation in bangladesh: Present condition and future implications. , 2017, , .		3
76	Activator of G-protein signaling 8 is involved in VEGF-induced choroidal neovascularization. Scientific Reports, 2019, 9, 1560.	3.3	3
77	The effects of internal stresses on the creep deformation investigated using in-situ synchrotron diffraction and crystal plasticity modelling. International Journal of Solids and Structures, 2021, 229, 111127.	2.7	3
78	In vivo analysis of toxic effect of hydrose used in food preparations in Bangladesh. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, 884-889.	1.2	2
79	Feasibility Study on Solar Bi-facial Technology and Plant Shoot Configuration in Perspective of Bangladesh. , 2019, , .		2
80	Effect of Plasticity on Creep Deformation in Type 316H Stainless Steel. , 2019, , .		2
81	The Influence of Prior Plastic Loading on the Accumulation of Creep Strain in 316H Stainless Steel. , 2019, , .		1
82	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. ChemEngineering, 2022, 6, 27.	2.4	1
83	Origin and Effect of Back Stress on Cyclic Creep Deformation of 316H Stainless Steel. , 2015, , .		0
84	Extensor Tendon Injury in the Distal Forearm of Right Hand Owing to Accident. , 2017, 06, .		0
85	Post-Translational Modifications in Neurodegeneration. Advances in Medical Diagnosis, Treatment, and Care, 2020, , 129-153.	0.1	0