

Abul Kalam Azad

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,380
citations

331259

21
h-index

360668

35
g-index

55
all docs

55
docs citations

55
times ranked

1662
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic, anti-bacterial performance and development of 2,4-diaminophenylhydrazine chemical sensor probe based on ternary doped Ag ₂ SrSnO ₃ nanorods. <i>New Journal of Chemistry</i> , 2021, 45, 1634-1650.	1.4	5
2	Blood biochemical parameters for assessment of COVID-19 in diabetic and non-diabetic subjects: a cross-sectional study. <i>International Journal of Environmental Health Research</i> , 2021, , 1-14.	1.3	2
3	Photocatalytic performance, anti-bacterial activities and 3-chlorophenol sensor fabrication using MnAl ₂ O ₄ ·ZnAl ₂ O ₄ nanomaterials. <i>Nanoscale Advances</i> , 2021, 3, 5872-5889.	2.2	8
4	Human Aquaporins: Functional Diversity and Potential Roles in Infectious and Non-infectious Diseases. <i>Frontiers in Genetics</i> , 2021, 12, 654865.	1.1	55
5	Extracellular metabolites of endophytic fungi from <i>Azadirachta indica</i> inhibit multidrug-resistant bacteria and phytopathogens. <i>Future Microbiology</i> , 2021, 16, 557-576.	1.0	6
6	First record of <i>Colletotrichum fragariae</i> causing leaf spot on <i>Hopea odorata</i> in Bangladesh. <i>New Disease Reports</i> , 2021, 44, e12021.	0.4	2
7	Biodegradation of azo dyes and dyes present in textile wastewaters using <i>Bacillus</i> sp. az28, obtained from industrial effluents. <i>Journal of the Bangladesh Academy of Sciences</i> , 2021, 45, 117-122.	0.1	0
8	Major Insights in Dynamics of Host Response to SARS-CoV-2: Impacts and Challenges. <i>Frontiers in Microbiology</i> , 2021, 12, 637554.	1.5	8
9	Microbial Metabolites: The Emerging Hotspot of Antiviral Compounds as Potential Candidates to Avert Viral Pandemic Alike COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 732256.	1.6	15
10	Genome-wide Characterization Deciphers Distinct Properties of Aquaporins in Six <i>Phytophthora</i> Species. <i>Current Bioinformatics</i> , 2021, 16, 880-898.	0.7	2
11	Evaluation of antioxidant and antimicrobial properties of dark red kidney bean (<i>Phaseolus vulgaris</i>) protein hydrolysates. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 303-313.	1.6	25
12	Photocatalysis, photoinduced enhanced anti-bacterial functions and development of a selective <i>m</i> -tolyl hydrazine sensor based on mixed Ag ₂ NiMn ₂ O ₄ nanomaterials. <i>RSC Advances</i> , 2020, 10, 30603-30619.	1.7	8
13	Kinetics, detergent compatibility and feather-degrading capability of alkaline protease from <i>Bacillus subtilis</i> AKAL7 and <i>Exiguobacterium indicum</i> AKAL11 produced with fermentation of organic municipal solid wastes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1339-1348.	0.9	7
14	Antibacterial activity of graphene oxide nanosheet against multidrug resistant superbugs isolated from infected patients. <i>Royal Society Open Science</i> , 2020, 7, 200640.	1.1	69
15	Photocatalysis, enhanced anti-bacterial performance and discerning thiourea sensing of Ag ₂ SnO ₂ ·TiO ₂ hetero-structure. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104051.	3.3	26
16	Enhanced visible light-mediated photocatalysis, antibacterial functions and fabrication of a 3-chlorophenol sensor based on ternary Ag ₂ O·SrO·CaO. <i>RSC Advances</i> , 2020, 10, 11274-11291.	1.7	39
17	First report of <i>Colletotrichum viniferum</i> causing leaf spot of <i>Hopea odorata</i> in Bangladesh. <i>New Disease Reports</i> , 2020, 42, 19-19.	0.4	3
18	Biodegradation of reactive textile dye Novacron Super Black G by free cells of newly isolated <i>Alcaligenes faecalis</i> AZ26 and <i>Bacillus</i> spp obtained from textile effluents. <i>Heliyon</i> , 2019, 5, e02068.	1.4	53

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19	Efficient selective 4-aminophenol sensing and antibacterial activity of ternary Ag ₂ O ₃ -SnO ₂ -Cr ₂ O ₃ nanoparticles. <i>New Journal of Chemistry</i> , 2019, 43, 10352-10365.	1.4	33
20	Identification of <i>AcrAB-TolC</i> Efflux Pump Genes and Detection of Mutation in Efflux Repressor <i>AcrR</i> from Omeprazole Responsive Multidrug-Resistant <i>Escherichia coli</i> Isolates Causing Urinary Tract Infections. <i>Microbiology Insights</i> , 2019, 12, 117863611988962.	0.9	24
21	Relationship among obesity, blood lipids and insulin resistance in Bangladeshi adults. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 444-449.	1.8	8
22	Synthesis of Fe- or Ag-doped TiO ₂ /MWCNT nanocomposite thin films and their visible-light-induced catalysis of dye degradation and antibacterial activity. <i>Research on Chemical Intermediates</i> , 2018, 44, 2667-2683.	1.3	47
23	Prediction of arsenic and antimony transporter major intrinsic proteins from the genomes of crop plants. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2630-2642.	3.6	14
24	Partial purification and characterization of serine protease produced through fermentation of organic municipal solid wastes by <i>Serratia marcescens</i> A3 and <i>Pseudomonas putida</i> A2. <i>Journal of Genetic Engineering and Biotechnology</i> , 2018, 16, 29-37.	1.5	22
25	Production and partial characterization of dehairing alkaline protease from <i>Bacillus subtilis</i> AKAL7 and <i>Exiguobacterium indicum</i> AKAL11 by using organic municipal solid wastes. <i>Heliyon</i> , 2018, 4, e00646.	1.4	55
26	Structural study, photoluminescence and photocatalytic properties of La ₂ O ₃ · Fe ₃ O ₄ · ZnO, AgO · NiO · ZnO and La ₂ O ₃ · AgO · ZnO nanocomposites. <i>Nano Structures Nano Objects</i> , 2017, 10, 30-41.	1.9	62
27	Optimization of some fermentation conditions for the production of extracellular amylases by using <i>Chryseobacterium</i> and <i>Bacillus</i> isolates from organic kitchen wastes. <i>Journal of Genetic Engineering and Biotechnology</i> , 2017, 15, 59-68.	1.5	37
28	In silico identification and characterization of common epitope-based peptide vaccine for Nipah and Hendra viruses. <i>Asian Pacific Journal of Tropical Medicine</i> , 2017, 10, 529-538.	0.4	34
29	Computational Identification and Characterization of a Promiscuous T-Cell Epitope on the Extracellular Protein 85B of <i>Mycobacterium</i> spp. for Peptide-Based Subunit Vaccine Design. <i>BioMed Research International</i> , 2017, 2017, 1-14.	0.9	19
30	Plasmids for Amoxicillin and Ciprofloxacin Resistance in <i>Escherichia coli</i> Isolate Causing Urinary Tract Infection. <i>Clinical Microbiology (Los Angeles, Calif)</i> , 2017, 06, .	0.2	2
31	Computational Analysis of Damaging Single-Nucleotide Polymorphisms and Their Structural and Functional Impact on the Insulin Receptor. <i>BioMed Research International</i> , 2016, 2016, 1-11.	0.9	9
32	Production and Partial Characterization of Cellulase from <i>Pseudomonas</i> Isolates Obtained from Cow Dung and Municipal Solid Wastes. <i>Bangladesh Journal of Microbiology</i> , 2016, 30, 11-16.	0.2	3
33	Genome-Wide Characterization of Major Intrinsic Proteins in Four Grass Plants and Their Non-Aqua Transport Selectivity Profiles with Comparative Perspective. <i>PLoS ONE</i> , 2016, 11, e0157735.	1.1	46
34	Multidrug Resistance Phenotype and Plasmid Profiling of <i>Escherichia coli</i> Isolates Causing Urinary Tract Infections in North East Part of Bangladesh. <i>British Microbiology Research Journal</i> , 2016, 15, 1-11.	0.2	6
35	Spectroscopic Investigations, Anti-bacterial Activities and DNA-interactions of Metal Complexes (Cr(III), Zn(II), Ni(II)) Containing Phendione Ligand. <i>Journal of Scientific Research</i> , 2015, 7, 113-128.	0.2	1
36	Photoluminescence, photocatalytic and antibacterial activities of CeO ₂ -CuO-ZnO nanocomposite fabricated by co-precipitation method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 839-850.	2.0	52

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37	Synthesis, characterization, PL properties, photocatalytic and antibacterial activities of nano multi-metal oxide NiOâCeO2âZnO. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 824-831.	2.0	78
38	Production of Microbial Lipids from Rice Straw Hydrolysates by <i>Lipomyces starkeyi</i> for Biodiesel Synthesis. Journal of Microbial & Biochemical Technology, 2014, s8, .	0.2	7
39	Expression profiles of aquaporin homologues and petal movement during petal development in <i>Tulipa gesneriana</i> . Physiologia Plantarum, 2013, 148, 397-407.	2.6	10
40	Substitution of a single amino acid residue in the aromatic/arginine selectivity filter alters the transport profiles of tonoplast aquaporin homologs. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1-11.	1.4	57
41	Functional characterization and hyperosmotic regulation of aquaporin in <i>Synechocystis</i> sp. PCC 6803. Plant Science, 2011, 180, 375-382.	1.7	15
42	Molecular cloning and sequence and 3D models analysis of the Sec61± subunit of protein translocation complex from <i>Penicillium ochrochloron</i> . BMB Reports, 2011, 44, 719-724.	1.1	4
43	Envelope Proteins Pertain with Evolution and Adaptive Mechanism of the Novel Influenza A/H1N1 in Humans. Journal of Microbiology and Biotechnology, 2010, 20, 1500-1505.	0.9	1
44	Heterologous Expression of Tulip Petal Plasma Membrane Aquaporins in <i>Pichia pastoris</i> for Water Channel Analysis. Applied and Environmental Microbiology, 2009, 75, 2792-2797.	1.4	32
45	Intracellular energy depletion triggers programmed cell death during petal senescence in tulip. Journal of Experimental Botany, 2008, 59, 2085-2095.	2.4	84
46	Characterization of Four Plasma Membrane Aquaporins in Tulip Petals: A Putative Homolog is Regulated by Phosphorylation. Plant and Cell Physiology, 2008, 49, 1196-1208.	1.5	66
47	Temperature-dependent stomatal movement in tulip petals controls water transpiration during flower opening and closing. Annals of Applied Biology, 2007, 150, 81-87.	1.3	39
48	Production and Partial Characterization of Feather-degrading Keratinolytic Serine Protease from <i>Bacillus licheniformis</i> MZK-3. Journal of Biological Sciences, 2007, 7, 599-606.	0.1	28
49	Contamination of Coliforms in Different Paper Currency Notes of Bangladesh. Pakistan Journal of Biological Sciences, 2006, 9, 868-870.	0.2	7
50	Phosphorylation of Plasma Membrane Aquaporin Regulates Temperature-Dependent Opening of Tulip Petals. Plant and Cell Physiology, 2004, 45, 608-617.	1.5	114
51	Characterization of Protein Phosphatase 2A Acting on Phosphorylated Plasma Membrane Aquaporin of Tulip Petals. Bioscience, Biotechnology and Biochemistry, 2004, 68, 1170-1174.	0.6	20
52	Isolation, Screening and Characterization of Cellulase Producing Bacterial Isolates from Municipal Solid Wastes and Rice Straw Wastes. Journal of Bioprocessing & Biotechniques, 0, , .	0.2	9
53	Short communication: Antibiotic resistance in Gram-negative bacteria isolated from street-vended foods in Bangladesh. , 0, , .		2