

# Azizur Rahman

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

1,747  
citations

361296

20  
h-index

360920

35  
g-index

111  
all docs

111  
docs citations

111  
times ranked

2073  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutritional regulation of ANR1 and other root-expressed MADS-box genes in Arabidopsis thaliana. Planta, 2005, 222, 730-742.	1.6	148
2	DETERMINANTS OF CHRONIC MALNUTRITION AMONG PRESCHOOL CHILDREN IN BANGLADESH. Journal of Biosocial Science, 2007, 39, 161-173.	0.5	134
3	A comprehensive method for improvement of water quality index (WQI) models for coastal water quality assessment. Water Research, 2022, 219, 118532.	5.3	94
4	Curcumin ameliorates liver damage and progression of NASH in NASH-HCC mouse model possibly by modulating HMGB1-NF- $\kappa$ B translocation. International Immunopharmacology, 2017, 44, 174-182.	1.7	89
5	Jurisdictional, socioeconomic and gender inequalities in child health and development: analysis of a national census of 5-year-olds in Australia. BMJ Open, 2012, 2, e001075.	0.8	75
6	Beamforming Codebook Design and Performance Evaluation for 60GHz Wideband WPANs. , 2009, , .		74
7	Maternal lead exposure decreases the levels of brain development and cognition-related proteins with concomitant upsurges of oxidative stress, inflammatory response and apoptosis in the offspring rats. NeuroToxicology, 2016, 56, 150-158.	1.4	56
8	Acute Malnutrition in Bangladeshi Children. Asia-Pacific Journal of Public Health, 2009, 21, 294-302.	0.4	52
9	Docosahexaenoic acid withstands the A $\beta$ 25-35-induced neurotoxicity in SH-SY5Y cells. Journal of Nutritional Biochemistry, 2011, 22, 22-29.	1.9	35
10	Probing the role of cation vacancies on the ferromagnetism of La-doped BiFeO <sub>3</sub> ceramics. Journal of Magnetism and Magnetic Materials, 2018, 449, 401-405.	1.0	35
11	Pressure-induced modification of the anomalous Hall effect in layered $\text{Fe}_3\text{S}_2$ . Physical Review B, 2019, 100, .		
12	Voltage Characteristics of a Consequent-Pole Bearingless PM Motor With Concentrated Windings. IEEE Transactions on Magnetics, 2009, 45, 2823-2826.	1.2	31
13	Malware Analysis and Detection Using Data Mining and Machine Learning Classification. Advances in Intelligent Systems and Computing, 2018, , 266-274.	0.5	27
14	Methodological Issues in Spatial Microsimulation Modelling for Small Area Estimation. , 2009, 3, 3-22.		27
15	Laser effects on phase transition for cubic $\text{Sb}_2\text{O}_3$ microcrystals under high pressure. Journal of Materials Chemistry C, 2017, 5, 5451-5457.	2.7	26
16	Pressure-induced topological phase transitions and structural transition in 1T-TiTe <sub>2</sub> single crystal. Applied Physics Letters, 2018, 112, .	1.5	26
17	A cross-sectional study of anxiety, stress, perception and mental health towards online learning of school children in India during COVID-19. Journal of Interdisciplinary Mathematics, 2021, 24, 411-424.	0.4	26
18	Modelling the Transmission Dynamics of COVID-19 in Six High-Burden Countries. BioMed Research International, 2021, 2021, 1-17.	0.9	25

#	ARTICLE	IF	CITATIONS
19	EFFECTS OF SHRIMP (MACROBRACIUM ROSENBERGII)-DERIVED CHITOSAN ON PLASMA LIPID PROFILE AND LIVER LIPID PEROXIDE LEVELS IN NORMO- AND HYPERCHOLESTEROLAEMIC RATS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 170-176.	0.9	24
20	Development of Tideâ€“Surge Interaction Model for the Coastal Region of Bangladesh. <i>Estuaries and Coasts</i> , 2016, 39, 1582-1599.	1.0	24
21	Small Area Estimation and Microsimulation Modeling. , 0, , .		24
22	Intersex inflorescences of <i>Rumex acetosa</i> demonstrate that sex determination is unique to each flower. <i>New Phytologist</i> , 2005, 165, 711-720.	3.5	23
23	Estimating small area health-related characteristics of populations: a methodological review. <i>Geospatial Health</i> , 2017, 12, 495.	0.3	22
24	Determinants of exclusive breastfeeding practice in Bangladesh: Evidence from nationally representative survey data. <i>PLoS ONE</i> , 2020, 15, e0236080.	1.1	22
25	Australian native flowering plants enhance the longevity of three parasitoids of brassica pests. <i>Entomologia Experimentalis Et Applicata</i> , 2018, 166, 265-276.	0.7	21
26	Analysis of COVID-19 using a modified SLIR model with nonlinear incidence. <i>Results in Physics</i> , 2021, 27, 104478.	2.0	19
27	Simulating the characteristics of populations at the small area level: New validation techniques for a spatial microsimulation model in Australia. <i>Computational Statistics and Data Analysis</i> , 2013, 57, 149-165.	0.7	18
28	Implementation of high speed optical universal logic gates using the electro-optic effect-based Machâ€“Zehnder interferometer structures. <i>Journal of Modern Optics</i> , 2015, 62, 978-988.	0.6	18
29	Critical behavior in the half-metallic Heusler alloy $\text{Co}_2\text{TiSn}$ . <i>Physical Review B</i> , 2019, 100, .	1.1	18
30	Prediction of $\text{MnSiTe}_3$ as an intrinsic layered half-metal. <i>Physical Review B</i> , 2020, 101, .	1.1	17
31	<i>Terminalia chebula</i> Retz. (Combretaceae): source of a botanical acaricide against <i>Oligonychus coffeae</i> Nietner (Acarina: Tetranychidae). <i>International Journal of Acarology</i> , 2014, 40, 138-144.	0.3	16
32	Mathematical analysis of a measles transmission dynamics model in Bangladesh with double dose vaccination. <i>Scientific Reports</i> , 2021, 11, 16571.	1.6	16
33	Likelihood of infectious diseases due to lack of exclusive breastfeeding among infants in Bangladesh. <i>PLoS ONE</i> , 2022, 17, e0263890.	1.1	16
34	Magneto-transport and Shubnikov-de Haas oscillations in the layered ternary telluride topological semimetal candidate $\text{Ta}_3\text{SiTe}_6$ . <i>Applied Physics Letters</i> , 2020, 116, .	1.5	15
35	Theses and dissertations in institutional repositories: an Asian perspective. <i>New Library World</i> , 2014, 115, 438-451.	1.1	14
36	Effectiveness and safety of electronic cigarettes among sole and dual user vapers in Kuantan and Pekan, Malaysia: a six-month observational study. <i>BMC Public Health</i> , 2018, 18, 1028.	1.2	14

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37	Eco-friendly yield-scaled global warming potential assists to determine the right rate of nitrogen in rice system: A systematic literature review. <i>Environmental Pollution</i> , 2021, 271, 116386.	3.7	14
38	Determining an effective short term COVID-19 prediction model in ASEAN countries. <i>Scientific Reports</i> , 2022, 12, 5083.	1.6	14
39	Routine Vaccination Disruption in Low-Income Countries: An Impact of COVID-19 Pandemic. <i>Asia-Pacific Journal of Public Health</i> , 2020, 32, 509-510.	0.4	13
40	A Non-Linear Biostatistical Graphical Modeling of Preventive Actions and Healthcare Factors in Controlling COVID-19 Pandemic. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4491.	1.2	12
41	Trends and determinants of vaccination among children aged 06â€“59â€“months in Bangladesh: country representative survey from 1993 to 2014. <i>BMC Public Health</i> , 2021, 21, 1578.	1.2	12
42	Child marriage and its association with morbidity and mortality of under-5 years old children in Bangladesh. <i>PLoS ONE</i> , 2022, 17, e0262927.	1.1	12
43	Multiple magnetic phase transitions, electrical and optical properties of FeTe <sub>2</sub> single crystals. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 035808.	0.7	11
44	Quantile regression approach to estimating prevalence and determinants of child malnutrition. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2022, 30, 323-339.	0.8	11
45	Itinerant magnetism in the half-metallic Heusler compound $\text{Co}_2\text{HfSn}$ : Evidence from critical behavior combined with first-principles calculations. <i>Physical Review B</i> , 2021, 103, .	1.1	11
46	Two-dimensional magnetic interplay in the tensile-strained LaCoO <sub>3</sub> thin films. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4912-4918.	1.3	11
47	Protecting data from malware threats using machine learning technique. , 2017, , .		10
48	Multi-level models can benefit from minimizing higher-order variations: an illustration using child malnutrition data. <i>Journal of Statistical Computation and Simulation</i> , 2019, 89, 1090-1110.	0.7	10
49	Uncertainty assessment of spatial domain models in early stage mining projects â€“ A review. <i>Ore Geology Reviews</i> , 2021, 133, 104098.	1.1	10
50	Prevalence and Determinants of Chronic Malnutrition Among Under-5 Children in Ethiopia. <i>International Journal of Child Health and Nutrition</i> , 2013, 2, 230-236.	0.0	10
51	Text Mining and Sentiment Analysis of Newspaper Headlines. <i>Information (Switzerland)</i> , 2021, 12, 414.	1.7	10
52	Modelling and analysis of humanâ€“mosquito malaria transmission dynamics in Bangladesh. <i>Mathematics and Computers in Simulation</i> , 2022, 193, 123-138.	2.4	10
53	Prevalence and determinants of wife-beating in Bangladesh: evidence from a nationwide survey. <i>BMC Psychiatry</i> , 2022, 22, 9.	1.1	10
54	Observation of superconductivity accompanying the pressure-induced structural phase transition in LaSb. <i>Physical Review B</i> , 2020, 101, .	1.1	9

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55	Evaluating effectiveness and safety toward electronic cigarette among Malaysian vapers: One-month observational study. Archives of Pharmacy Practice, 2016, 7, 43.	0.2	9
56	Strategic fit: model development and fitness analysis of a manufacturing unit. Production and Manufacturing Research, 2019, 7, 44-66.	0.9	8
57	Real-life Management Strategy of COVID-19 Patients in Bangladesh with No Death: An Observational and Cohort Study. Euroasian Journal of Hepato-gastroenterology, 2020, 10, 31-35.	0.1	8
58	Prevalence and determinants of fever, ARI and diarrhea among children aged 6â€“59Âmonths in Bangladesh. BMC Pediatrics, 2022, 22, 117.	0.7	8
59	Factors associated with coverage of vitamin a supplementation among Bangladeshi children: mixed modelling approach. BMC Public Health, 2021, 21, 648.	1.2	7
60	Rural-urban determinants of vitamin a deficiency among under 5 children in Bangladesh: Evidence from National Survey 2017â€“18. BMC Public Health, 2021, 21, 1569.	1.2	7
61	Knowledge on Vitamin A Rich Foods among Mothers of Preschool Children in Nepal: Impacts on Public Health and Policy Concerns. Science Journal of Public Health, 2014, 2, 316.	0.1	7
62	A Review of COVID-19 Modelling Strategies in Three Countries to Develop a Research Framework for Regional Areas. Viruses, 2021, 13, 2185.	1.5	7
63	Geographical variation in susceptibility of tea red spider mite, <i>Oligonychus coffeae</i> (Nietner) (Acari: Tetranychidae) to commonly used acaricides in tea plantations of Assam, north east India. International Journal of Acarology, 2018, 44, 41-45.	0.3	6
64	Evaluation of COVID-19 Mitigation Policies in Australia Using Generalised Space-Time Autoregressive Intervention Models. International Journal of Environmental Research and Public Health, 2021, 18, 7474.	1.2	6
65	Scaling analysis of magnetic-thermal behaviors in ferromagnetic insulator LaCoO3 thin film. Current Applied Physics, 2021, 28, 87-92.	1.1	6
66	Nexus Between Cultural Dissonance, Management Accounting Systems, and Managerial Effectiveness: Evidence from an Asian Developing Country. Journal of Asia-Pacific Business, 2011, 12, 280-303.	0.8	5
67	Primary effects of intravitreal bevacizumab inpatients with diabetic macular edema. Pakistan Journal of Medical Sciences, 2013, 29, 1018-22.	0.3	5
68	A Distributed and Elastic Application Processing Model for Mobile Cloud Computing. Wireless Personal Communications, 2017, 95, 4403-4423.	1.8	5
69	Field induced an irreversible ferromagnetic transition in BiFeO3 based composite system. Journal of Magnetism and Magnetic Materials, 2018, 462, 230-235.	1.0	5
70	Factors affecting seed germination and emergence of button grass ( <i>Dactyloctenium radulans</i> ) (R.Br.) P.Beauv.. Weed Biology and Management, 2019, 19, 85-92.	0.6	5
71	Cost-effective modeling of the transmission dynamics of malaria: A case study in Bangladesh. Communications in Statistics Case Studies Data Analysis and Applications, 2020, 6, 270-286.	0.3	5
72	Rural-Urban Differentials of Childhood Malnutrition in Bangladesh. International Journal of Child Health and Nutrition, 2019, 8, 35-42.	0.0	5

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73	Critical behavior and phase diagram of layered ferromagnetic $SrTiO_3/SrTiO_3$ thin film. Physical Review B, 2022, 105, .	1.1	5
74	Aqueous extracts of <i>Duranta repens</i> (Verbenaceae) as an alternative to control tea red spider mite, <i>Oligonychus coffeae</i> (Acari: Tetranychidae). International Journal of Tropical Insect Science, 2016, 36, 82-90.	0.4	4
75	Statistical Modelling of Seed Germination and Seedlings Root Response of Annual Ryegrass ( <i>Lolium</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf50 177	0.9	4
76	Determinants of Infant Mortality in Bangladesh: A Nationally Surveyed Data Analysis. International Journal of Child Health and Nutrition, 2019, 8, 93-102.	0.0	4
77	Quantitative Analysis of Amartya Sen's Theory. International Journal of Information Communication Technologies and Human Development, 2015, 7, 13-26.	0.2	4
78	Critical Behavior of the (111) $\bar{1}$ -Oriented $LaCoO_3/SrTiO_3$ Thin Film. Physica Status Solidi (B): Basic Research, 2022, 259, 2100424.	0.7	4
79	A SNR Mapping Scheme for ZF/MMSE Based SC-FDE Structured WPANs. , 2009, , .		3
80	Nexus of learning style with satisfaction and success of accounting students: a cross-cultural study at an Australian university. International Journal of Learning and Change, 2011, 5, 288.	0.2	3
81	Musculoskeletal health and safety of aged workers in manual handling works. , 2015, , .		3
82	An Assessment of the Effects of Prior Distributions on the Bayesian Predictive Inference. International Journal of Statistics and Probability, 2016, 5, 31.	0.1	3
83	Small area housing stress estimation in Australia: Calculating confidence intervals for a spatial microsimulation model. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 7466-7484.	0.6	3
84	Strategic fit strategy formulation: keys to enhancing competitiveness and improving capabilities of a manufacturing unit. Production and Manufacturing Research, 2020, 8, 59-79.	0.9	3
85	Pressure-Induced Anomalous Emission Behaviors of MnS/ZnS Quantum Dots. Journal of Physical Chemistry C, 2021, 125, 9281-9286.	1.5	3
86	Curcuma longa extract ameliorates motor and cognitive deficits of 6-hydroxydopamine-infused Parkinson's disease model rats. Advances in Traditional Medicine, 2022, 22, 773-787.	1.0	3
87	Comparative biology, predation capacity and effect of an artificial diet on reproductive parameters of green lacewing ( <i>Mallada boninensis</i> ) (Hemiptera: Chrysomelidae) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf50 177		3
88	Use of some plant extracts for management of red spider mite, <i>Oligonychus coffeae</i> (Acarina:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf50 142	0.4	2
89	Modeling Effects of KM and HRM Processes to the Organizational Performance and Employee's Job Satisfaction. International Journal of Business and Management, 2017, 12, 35.	0.1	2
90	Developing an Explanatory Risk Management Model to Comprehend the Employees' Intention to Leave Public Sector Organization. Journal of Risk and Financial Management, 2020, 13, 200.	1.1	2

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91	Temperature dependent optical properties of LaCoO <sub>3</sub> /SrTiO <sub>3</sub> thin film studied by spectroscopic ellipsometry. AIP Advances, 2020, 10, 035117.	0.6	2
92	Assessing Robustness of Regularized Regression Models with Applications. Advances in Intelligent Systems and Computing, 2020, , 401-415.	0.5	2
93	Understanding the intent behind sharing misinformation on social media. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 573-587.	1.8	2
94	Dispersion characteristics of plasmonic waveguides for THz waves. , 2013, , .		1
95	BOG ventilation and combustion in re-liquefaction plants of LNG carriers. , 2014, , .		1
96	An effective teaching plan to introduce professional and practice-based education at tertiary institution. International Journal of Learning and Change, 2018, 10, 185.	0.2	1
97	Comparison of interpretation uncertainty in spatial domains using portable x-ray fluorescence and ICP data. Applied Computing and Geosciences, 2021, 12, 100067.	1.0	1
98	DIETARY PRACTICES, HEALTH STATUS AND HYGIENE OBSERVANCE OF SLUM KIDS: A PILOT STUDY IN AN ASIAN DEVELOPING COUNTRY. JP Journal of Biostatistics, 2016, 13, 195-208.	0.0	1
99	Therapeutic Endoscopy during COVID-19 Pandemic: An Observational Study from Bangladesh. Euroasian Journal of Hepato-gastroenterology, 2020, 10, 47-49.	0.1	1
100	A study of Coriolis effects on long waves propagating in an unbounded ocean, channel and basin. Ocean Engineering, 2007, 34, 1701-1705.	1.9	0
101	Operation Range Estimation of Reed-Solomon Coded SC-FDE System in 60-GHz WPANs. International Conference on Advanced Communication Technology, 2008, , .	0.0	0
102	Preamble Design for Millimeter-Wave Single Carrier WPANs. , 2009, , .		0
103	Performance verification of saturated IPM bearingless motors considering magnetic pull variation. , 2016, , .		0
104	Strain-induced conductivity accelerated recoveries in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructure with millimeter scale. RSC Advances, 2018, 8, 37804-37810.	1.7	0
105	Joint West Michigan Chapter Invites Distinguished Lecturer Prof. Shenai [Society News]. IEEE Power Electronics Magazine, 2019, 6, 81-81.	0.6	0
106	Sticky bands as effective tools to manage looper pests (Lepidoptera: Geometridae) in tea crops. Entomologia Generalis, 2019, 39, 347-351.	1.1	0
107	Inference of a "Hot Ice" Layer in Nitrogen-Rich Planets: Demixing the Phase Diagram and Phase Composition for Variable Concentration Helium-Nitrogen Mixtures Based on Isothermal Compression. Journal of Physical Chemistry A, 2022, 126, 3745-3757.	1.1	0