

3.4.6 h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)						
Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self-citations	Institutional affiliation as mentioned in the publication
Nash versus coarse correlation	Indrajit Ray	Experimental Economics	2020			
Economic Evaluation of Population-Based BRCA1/BRCA2 Mutation Testing across Multiple Countries and Health Systems	Zakir Husain (Co-author)	Cancers	2020			
Fertility behaviour in linguistic zones: An application of the regression discontinuity method to Greater Bengal	Zakir Husain (Co-author)	Asian Population Studies	2020			
Has the National Health Mission Improved Maternal Healthcare services in Bihar	Zakir Husain (Co-author)	Economic & Political Weekly	2019			
Do labor rights help to protect human rights? An empirical exploration	Prithviraj Guha	Applied Economics Letters	2019			
Sequential group lending with and without group liability: Grameen I versus Grameen II	Saswattee Mukherjee	Journal of Development Entrepreneurship	2020			
Factors Affecting the Illegal Mining Activities in Salanpur Coal belt of West Bengal	Supravat Bagli(Co-author)	Vidyasagar University Journal of Economics	2019			
Multidimensional Poverty: An Exploratory Study in Purulia District, West Bengal	Supravat Bagli(Co-author)	Economic Affairs	2019			
Risk Perception, Choice of Source and Treatment Decision: Exploring Water Consumption Behaviour in Darjeeling, India	Pravesh Tamang (Co-author)	Nature Environment and Pollution Technology	2019			
Application of Dynamic Disorder Approach to the Temperature Dependent Non-exponential Electron transfer kinetics in Rhodospseudomonas viridis.	Prasanta Kundu,soma saha and Gautam Gangopadhyay	J.Stat.Mach.: Theory and Experiment	2019	3		Presidency University

Kinetics of Escape of ssDNA Molecules from α -Hemolysin Nanopores : A Dynamic Disorder study.	Prasanta Kundu,soma saha and Gautam Gangopadhyay	J.Stat.Mach.: Theory and Experiment	2020	3		Presidency University
Mechanical Unfolding of single Poly-ubiquitin molecules reveals evidence of Dyanmic Disorder	Prasanta Kundu,soma saha and Gautam Gangopadhyay	ACS Omega	2020	3		Presidency University
Stochastic Kinetic Approach to the Escape of DNA Hairpins from α -Hemolysin channel.	Prasanta Kundu,soma saha and Gautam Gangopadhyay	J.Phys.chem.B	2020	3		Presidency University
Enhanced capacity of fluoride scavenging from contaminated water by nano-archtecturaal reorientation of cerium-incorporated hydrous iron oxide with graohene oxide	Kankan Mukhopadhyay, Uday Chand Ghosh, Palani Sasikumar	Environmental Science and Pollution Research	2019	11		Presidency University
One-pot synthesis of β -cyclodextrin amended mesoporous cerium(IV) incorporated ferric oxide surface towards the evaluation of fluoride removal efficiency from contaminated water for point of use	Kankan Mukhopadhyay, Animesh Naskar, Uday Chand Ghosh, Palani Sasikumar	Journal of Hazardous Materials	2020	11		Presidency University
One-pot synthesis of Cr(III)-incorporated Zr(IV) oxide for fluoride remediation: a lab to field performance evaluation study	Sarat Kanrar, Abir Ghosh, Ayan Ghosh, Arpan Mondal, Mriganka Sadhukhan, Uday Chand Ghosh, Palani Sasikumar	Environmental Science and Pollution Research	2020	11		Presidency University
Redox-Assisted Arsenic(III) Adsorption for Removal from Aqueous Solution by Cerium(IV)-Incorporated Zirconium Oxide Nanocomposites	Abir Ghosh, Sarat Kanrar, Debabrata Nandi, Palani Sasikumar, Krishna Biswas, Uday Chand Ghosh	Journal of Chemical & Engineering Data	2020	11		Presidency University
Adsorption behaviour of bromophenol blue from the aqueous solution on Labeo bata fish scale, a bio-waste material	U Ghosh, Abir Ghosh Ghosh, Sasikumar Palani, Krishna Biswas	Indian Journal of Chemical Technology (IJCT)	2019	11		Presidency University

Counterion-binding and related phenomena in sodium alginate-sodium chloride-water ternary systems: A conductometric study	S. Santra, Bijan Das*	Journal of Molecular Liquids	2019	28		Presidency University
Spectroscopic and interfacial investigation on the interaction of hemoglobin with conventional and ionic liquid surfactants	S. Mondal, A. Banerjee, Bijan Das*	Journal of Molecular Liquids	2020	28		Presidency University
Counterion, medium and salinity-induced shrinkage/expansion of poly(sodium styrenesulfonate) in 2-ethoxyethanol-water mixed solvent media as probed by viscosimetry	R. De, Bijan Das	Journal of Molecular Structure	2020	28		Presidency University
TITAN: A Code for Modeling and Generating Electric Fields—Features and Applications to Enzymatic Reactivity	Thijs Stuyver, Jing Huang, Dibyendu Mallick, David Danovich, and Sason Shaik	Journal of Computational Chemistry	2020	12		Presidency University
Biocatalytic Aza-Michael Addition of Aromatic Amines to Enone Using α -Amylase in Water	Sunil Dutt, Vanshita Goel, Neha Garg, Diptiman Choudhury, Dibyendu Mallick, Vikas Tvaari	Advanced Synthesis and Catalysis	2020	12		Presidency University
Oriented (Local) Electric Fields Drive the Millionfold Enhancement of the H-Abstraction Catalysis Observed for Synthetic Metalloenzyme Analogues	Thijs Stuyver, Rajeev Ramanan, Dibyendu Mallick, and Sason Shaik	Angewandte Chemie International Edition	2020	12		Presidency University
Non-Gaussian Normal Diffusion in a Fluctuating corrugated Channel	Li, F. Marchesoni, D Debnath, P.K. Ghosh	Physical Review Research 1	2019	22		Presidency University
Diffusion of chiral Janus particles in convection rolls	Y Li, L Li, F Marchesoni, D Debnath, P. K Ghosh	Physical Review Research 2 (I)	2020	22		Presidency University
Enhanced motility in a binary mixture of active nano/microswimmers,	D. Debnath, P.K Ghosh, V. R Misko, Y. Li, F Marchesoni, F Nori,	Nanoscale 12 (17)		22		Presidency University

Tunable Luminescence of a synthesized fuorophenanthraquinone derivative: interactions with different solvents,	Aparna Sarkar, Dinesh Kumar Pyne, Tuyan Biswas, Pampa Das, Gandhi K. Kar, Arnab Halder	Luminescence 35(2)	2020	11		Presidency University
Evaluation of bioavailability of rutin in different solvents by rutin-albumin interaction and selection of effective dose to ameliorate radiation induced cytotoxicity in human peripheral blood mononuclear cells	Priti Sengupta, Prasenjit Mondal, Adity Bose,	J. Herbal Medicine		12		Presidency University
Multi-spectroscopic and Computational Evaluation on the Binding of Sinapic Acid and its Cu (II) Complex with Bovine Serum Albumin	Priti Sengupta, Uttam Pal, Prasenjit Mondal, Adity Bose	Food Chemistry	2019	12		Presidency University
"Zwitterionic poly (vinylidene fluoride) graft copolymer with unexpected fluorescence property"	Mahuya Pakhira, Radhakanta Ghosh, Santi P Rath, Dhruva P Chatterjee, Arun K Nandi.	Langmuir	2019	17		Presidency University
"Hierarchical nanocomposites by oligomer-initiated controlled polymerization of aniline on graphene oxide sheets for energy storage"	Tapas Ghosh, Udayan Basak, Partha Bairi, Radhakanta Ghosh, Mahuya Pakhira, Ranadeb Ball, Biplab Biswas, Dhruva P Chatterjee.	ACS Appl. Nano Mater	2020	17		Presidency University
"Grafting of Electroactive Polymers"	Arun K Nandi, Radhakanta Ghosh, Dhruva P Chatterjee	Reactive and Functional Polymers Volume Two Springer, Cham (Book Chapter)	2020	17		Presidency University
Nickel complexes of ligands derived from (o-hydroxyphenyl) dichalcogenide: delocalised redox states of nickel and o-chalcogenophenolate ligands	Sridhar Banerjee, Debobrata Sheet, Subhash Sarkar, Partha Halder and Tapan Kanti Paine	Dalton Transactions	2019	5		Presidency University

Synthesis of a Novel Coumarin Derivative and its Binding Interaction with Serum Albumins.	Sandip Paul, Raju Ghanti, Pinki Saha Sardar, and Anjoy Majhi	Chemistry of Heterocyclic Compounds	2019	18		Presidency University
Carrier escape mechanism in laterally correlated InAs sub-monolayer quantum dots using temperature dependent photoluminescence.	Mukherjee, S., A. Pradhan, A., Mukherjee, S., Maitra, T., Sengupta, S., Chakrabarti, S., Nayak, A., Bhunia, S.	J. Luminescence. Vol. 215, P. 116597	2019		2	Presidency University
Improved spectral and temporal response of MSM photodetectors fabricated on MOCVD grown spontaneous AlGaAs superlattice.	Pradhan, A., Mukherjee, S., Maitra, T., Mukherjee, S., Nayak, A., Bhunia, S.	Sensors and Actuators A: Physical. Vol. 297, P. 111548	2019		2	Presidency University
Probing bias and power dependency of high-performance broadband Mg/ZnSnP ₂ /Sn back-to-back Schottky junction photodetectors.	Mukherjee, S., Maitra, T., Pradhan, A., Mukherjee, S., Bhunia, S., Nayak, A.	Solar Energy Materials and Solar Cells. Vol. 208, P. 110386	2020		2	Presidency University
Fast-response symmetric coplanar Ni/AlGaInP/Ni visible photodetector.	Maitra, T., Mukherjee, S., Pradhan, A., Mukherjee, S., Nayak, A., Bhunia, S.	Sensors and Actuators A: Physical. Vol. 305, P. 111933	2020		1	Presidency University, Kolkata
Retrieval of Leaf area index and stress conditions for Sundarban mangroves using Sentinel-2 data	Manna, S., Raychaudhuri, B.	International Journal of Remote Sensing. Vol.	2020		5	Presidency University, Kolkata
Detailed study of the ELAIS N1 field with the uGMRT - I. Characterizing the 325 MHz foreground for redshifted 21 cm observations	Chakraborty, Arnab; Datta, Abhirup; Choudhuri, Samir; Roy, Nirupam; Intema, Huib; Choudhury, Madhurima; Datta, Kanan K.; Pal, Srijita; Bharadwaj, Somnath; Dutta, Prasun; Choudhury, Tirthankar Roy	Monthly Notices of Royal Astronomy Society	2019			Presidency University, Kolkata

<p>Detailed study of ELAIS N1 field with the uGMRT - II. Source properties and spectral variation of foreground power spectrum from 300-500 MHz observations</p>	<p>Chakraborty, Arnab; Roy, Nirupam; Datta, Abhirup; Choudhuri, Samir; Datta, Kanan K.; Dutta, Prasun; Bharadwaj, Somnath; Intema, Huib; Choudhury, Madhurima; Pal, Srijita; Choudhury, Tirthankar Roy</p>	<p>Monthly Notices of Royal Astronomy Society</p>	<p>2019</p>			<p>Presidency University, Kolkata</p>
<p>Bubble mapping with the Square Kilometre Array - I. Detecting galaxies with Euclid, JWST, WFIRST, and ELT within ionized bubbles in the intergalactic medium at $z > 6$</p>	<p>Zackrisson, Erik; Majumdar, Suman; Mondal, Rajesh; Binggeli, Christian; Sahlén, Martin; Choudhury, Tirthankar Roy; Ciardi, Benedetta; Datta, Abhirup; Datta, Kanan K.; Dayal, Pratika; Ferrara, Andrea; Giri, Sambit K.; Maio, Umberto; Malhotra, Sangeeta; Mellema, Garrelt; Mesinger, Andrei; Rhoads, James; Rydberg, Claes-Erik; Shimizu, Ikkoh</p>	<p>Monthly Notices of Royal Astronomy Society</p>	<p>2020</p>			<p>Presidency University, Kolkata</p>

Predictions for measuring the 21-cm multifrequency angular power spectrum using SKA-Low	Mondal, Rajesh; Shaw, Abinash Kumar; Iliev, Ilian T.; Bharadwaj, Somnath; Datta, Kanan K.; Majumdar, Suman; Sarkar, Anjan K.; Dixon, Keri L.	Monthly Notices of Royal Astronomy Society	2020			Presidency University, Kolkata
Vertically Aligned Al-Doped ZnO Nanowire Arrays as Efficient Photoanode for Dye-Sensitized Solar Cells	S R Bhattacharyya, Z Mallick, R N Gayen	Journal of Electronic Materials	2020			Presidency University, Kolkata
Single phase formation of Fe-doped directional ZnO nanorod films: Study of cluster formation by complex impedance spectroscopy and removal of metal clustering by swift heavy ion irradiation	M K Sharma, R N Gayen, A K Pal, D Kanjilal, Ratnamala Chatterjee	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms	2020			Presidency University, Kolkata
Effect of series and shunt resistance on the photovoltaic properties of solution-processed zinc oxide nanowire based CZTS solar cell in superstrate configuration	R N Gayen, Tanwistha chakraborti	Materials Science in Semiconductor Processing	2019			Presidency University, Kolkata
Tetramethylammonium based lead free perovskite active layer for solar cell application	Soumyodeep Banerjee, R N Gayen	Ceramics Internationals	2019			Presidency University, Kolkata
Fabrication and characterization of transparent nanocrystalline ZnO thin film transistors by sol-gel technique	S R Bhattacharyya, R N Gayen	Bulletin of Materials science	2019			Presidency University, Kolkata
Touch, Untouch and the Depositions of Uchhishta	Sukanya Sarbadhikary	Economic and Political Weekly	2019	48		Presidency University
Book Review of Genealogy of Devotion: Bhakti, Tantra, Yoga and Sufism in North India, by Patton E. Burchett	Sukanya Sarbadhikary	Journal of the American Academy of Religion	2020	26		Presidency University

Book Review of Unforgetting Chaitanya: Vaishnavism and Cultures of Devotion in Colonial Bengal	Sukanya Sarbadhikary	Studies in History	2020	11		Presidency University
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