Samiran Bandyopadhyay

List of Publications by Year
in descending order

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91	2,127	279798	254184
papers	citations	23 h-index	43 g-index

93	93	93	2724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Camptothecin induced mitochondrial dysfunction leading to programmed cell death in unicellular hemoflagellate Leishmania donovani. Cell Death and Differentiation, 2004, 11, 924-936.	11.2	219
2	Artemisinin triggers induction of cell-cycle arrest and apoptosis in Leishmania donovani promastigotes. Journal of Medical Microbiology, 2007, 56, 1213-1218.	1.8	174
3	Development of a modified MTT assay for screening antimonial resistant field isolates of Indian visceral leishmaniasis. Parasitology International, 2005, 54, 119-122.	1.3	135
4	Understanding osteomyelitis and its treatment through local drug delivery system. Biotechnology Advances, 2016, 34, 1305-1317.	11.7	116
5	Molecular and phylogenetic characterization of multidrug resistant extended spectrum beta-lactamase producing Escherichia coli isolated from poultry and cattle in Odisha, India. Infection, Genetics and Evolution, 2015, 29, 82-90.	2.3	81
6	Edible Mushrooms as Functional Ingredients for Development of Healthier and More Sustainable Muscle Foods: A Flexitarian Approach. Molecules, 2021, 26, 2463.	3.8	81
7	Bovine herpesvirus-1 (BHV-1) â€“ a re-emerging concern in livestock: a revisit to its biology, epidemiology, diagnosis, and prophylaxis. Veterinary Quarterly, 2013, 33, 68-81.	6.7	79
8	First Report on Vancomycin-ResistantStaphylococcus aureusin Bovine and Caprine Milk. Microbial Drug Resistance, 2016, 22, 675-681.	2.0	72
9	Drumstick (Moringa oleifera) Flower as an Antioxidant Dietary Fibre in Chicken Meat Nuggets. Foods, 2019, 8, 307.	4.3	59
10	Application of nanoemulsionâ€based approaches for improving the quality and safety of muscle foods: A comprehensive review. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 2677-2700.	11.7	57
11	Development of a semi-automated colorimetric assay for screening anti-leishmanial agents. Journal of Microbiological Methods, 2006, 66, 79-86.	1.6	55
12	A review of animal health and drug use practices in India, and their possible link to antimicrobial resistance. Antimicrobial Resistance and Infection Control, 2020, 9, 103.	4.1	52
13	Molecular signature of extended spectrum Î²-lactamase producing Klebsiella pneumoniae isolated from bovine milk in eastern and north-eastern India. Infection, Genetics and Evolution, 2016, 44, 395-402.	2.3	49
14	Nutritional aspects, flavour profile and health benefits of crab meat based novel food products and valorisation of processing waste to wealth: A review. Trends in Food Science and Technology, 2021, 112, 252-267.	15.1	46
15	Potential antibacterial activity of berberine against multi drug resistant enterovirulent Escherichia coli isolated from yaks (Poephagus grunniens) with haemorrhagic diarrhoea. Asian Pacific Journal of Tropical Medicine, 2013, 6, 315-319.	0.8	45
16	Characterization of shiga toxin producing (STEC) and enteropathogenic Escherichia coli (EPEC) in raw yak (Poephagus grunniens) milk and milk products. Research in Veterinary Science, 2012, 93, 604-610.	1.9	43
17	Co-infection of methicillin-resistantStaphylococcus epidermidis, methicillin-resistantStaphylococcus aureusand extended spectrumÎ²-lactamase producingEscherichia coliin bovine mastitis â€“ three cases reported from India. Veterinary Quarterly, 2015, 35, 56-61.	6.7	35
18	Dragon fruit (Hylocereus undatus) peel as antioxidant dietary fibre on quality and lipid oxidation of chicken nuggets. Journal of Food Science and Technology, 2020, 57, 1449-1461.	2.8	35

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19	Approaches to characterize extended spectrum beta-lactamase/beta-lactamase producing Escherichia coli in healthy organized vis-a-vis backyard farmed pigs in India. Infection, Genetics and Evolution, 2015, 36, 224-230.	2.3	33
20	Virulence Repertoire, Characterization, and Antibiotic Resistance Pattern Analysis ofEscherichia coliIsolated from Backyard Layers and Their Environment in India. Avian Diseases, 2014, 58, 39-45.	1.0	32
21	Virulence repertoire of Shiga toxin-producing Escherichia coli (STEC) and enterotoxigenic Escherichia coli (ETEC) from diarrhoeic lambs of Arunachal Pradesh, India. Tropical Animal Health and Production, 2011, 43, 705-710.	1.4	30
22	Prevalence and antibiotic resistance profiles ofSalmonella serotypes isolated from backyard poultry flocks in West Bengal, India. Journal of Applied Poultry Research, 2014, 23, 536-545.	1.2	30
23	Antibacterial effect of silver nanoparticles and capsaicin against MDR-ESBL producing Escherichia coli: An in vitro study. Asian Pacific Journal of Tropical Disease, 2016, 6, 807-810.	0.5	27
24	A qualitative study on antibiotic use and animal health management in smallholder dairy farms of four regions of India. Infection Ecology and Epidemiology, 2020, 10, 1792033.	0.8	26
25	Antimicrobial Resistance in Agri-Food Chain and Companion Animals as a Re-emerging Menace in Post-COVID Epoch: Low-and Middle-Income Countries Perspective and Mitigation Strategies. Frontiers in Veterinary Science, 2020, 7, 620.	2.2	25
26	Quantitative imaging of arsenic and its species in goat following long term oral exposure. Food and Chemical Toxicology, 2012, 50, 1946-1950.	3.6	22
27	Extended-Spectrum-Î²-Lactamase-Producing Escherichia coli Isolate Possessing the Shiga Toxin Gene () Tj ETQq1 1 0.784314 rgBT /Ov Journal of Clinical Microbiology, 2013, 51, 2008-2009.	3.9	21
28	Influence of short-term Leucaena leucocephala feeding on milk yield and its composition, thyroid hormones, enzyme activity, and secretion of mimosine and its metabolites in milk of cattle. Journal of Agricultural Science, 2007, 145, 407-414.	1.3	19
29	Pleurotus florida lectin normalizes duration dependent hepatic oxidative stress responses caused by arsenic in rat. Experimental and Toxicologic Pathology, 2012, 64, 665-671.	2.1	19
30	Genomic Identity of Fluoroquinolone-Resistant blaCTX-M-15-Type ESBL and pMAmpC Î²-Lactamase Producing Klebsiella pneumoniae from Buffalo Milk, India. Microbial Drug Resistance, 2018, 24, 1345-1353.	2.0	19
31	Pig farm environment as a source of beta-lactamase or AmpC-producing Klebsiella pneumoniae and Escherichia coli. Annals of Microbiology, 2018, 68, 781-791.	2.6	19
32	Antipromastigote activity of an ethanolic extract of leaves of Artemisia indica. Indian Journal of Pharmacology, 2006, 38, 64.	0.7	19
33	Inhibition of lipid and protein oxidation in raw ground pork by Terminalia arjuna fruit extract during refrigerated storage. Asian-Australasian Journal of Animal Sciences, 2019, 32, 265-273.	2.4	17
34	Seroprevalence of brucellosis in yaks (Poephagus grunniens) in India and evaluation of protective immunity to S19 vaccine. Tropical Animal Health and Production, 2009, 41, 587-592.	1.4	16
35	Prevalence, molecular fingerprinting and drug resistance profile of enterovirulent Escherichia coli isolates from free-ranging yaks of Tawang district, Arunachal Pradesh, India. Tropical Animal Health and Production, 2012, 44, 1063-1072.	1.4	15
36	Immunotoxic and genotoxic potential of arsenic and its chemical species in goats. Toxicology International, 2013, 20, 6.	0.1	14

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37	Prevalence of CTX-M-ProducingKlebsiellaspp. in Broiler, Kuroiler, and Indigenous Poultry in West Bengal State, India. Microbial Drug Resistance, 2018, 24, 299-306.	2.0	14
38	Characterization of betaâ€lactamase and biofilm producingEnterobacteriaceaeisolated from organized and backyard farm ducks. Letters in Applied Microbiology, 2019, 69, 110-115.	2.2	14
39	Understanding Antibiotic Usage on Small-Scale Dairy Farms in the Indian States of Assam and Haryana Using a Mixed-Methods Approachâ€"Outcomes and Challenges. Antibiotics, 2021, 10, 1124.	3.7	14
40	Molecular basis for identification of species/isolates of gastrointestinal nematode parasites. Asian Pacific Journal of Tropical Medicine, 2011, 4, 589-593.	0.8	13
41	Assay of alterations in oxidative stress markers in pigs naturally infested with Sarcoptes scabiei var. suis. Veterinary Parasitology, 2014, 205, 295-299.	1.8	13
42	In vitro assessment of praziquantel and a novel nanomaterial against protoscoleces of Echinococcus granulosus. Journal of Helminthology, 2012, 86, 26-29.	1.0	11
43	Serological evidence of antibodies against Chlamydophila abortus in free-ranging yak (Poephagus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	11
44	Detection & characterization of Shiga toxin producing Escherichia coli (STEC) & enteropathogenic Escherichia coli (EPEC) in poultry birds with diarrhoea. Indian Journal of Medical Research, 2011, 133, 541-5.	1.0	10
45	Virulence gene and antibiotic resistance profile of Shiga-toxin-producing Escherichia coli prevalent in captive yaks (Poephagus grunniens). Veterinary Microbiology, 2009, 138, 403-404.	1.9	9
46	Multiâ€drug resistant, biofilmâ€producing highâ€risk clonal lineage of Klebsiella in companion and household animals. Letters in Applied Microbiology, 2020, 71, 580-587.	2.2	9
47	A serological survey of antibodies against bovine herpesvirus-1 in yak (Poephagus grunniens) in Arunachal Pradesh in India. OIE Revue Scientifique Et Technique, 2009, 28, 1045-1050.	1.2	9
48	Cytotoxicity of Senecio in macrophages is mediated via its induction of oxidative stress. Research in Veterinary Science, 2009, 87, 85-90.	1.9	8
49	Molecular and biochemical mining of heat-shock and 14-3-3 proteins in drug-induced protoscolices ofEchinococcus granulosusand the detection of a candidate gene for anthelmintic resistance. Journal of Helminthology, 2011, 85, 196-203.	1.0	8
50	Characterization of methicillin-resistant and enterotoxins producing Staphylococcus aureus in bovine milk in India. Journal of Agriculture and Food Research, 2020, 2, 100017.	2.5	8
51	A cross-sectional study on prevalence of bovine tuberculosis in Indian and crossbred cattle in Gangetic delta region of West Bengal, India. International Journal of One Health, 2018, 4, 1-7.	0.6	8
52	Stress inducible heat shock protein 70: a potent molecular and toxicological signature in arsenic exposed broiler chickens. Molecular Biology Reports, 2010, 37, 3151-3155.	2.3	7
53	Seasonal variations in plasma glucocorticoid levels in yaks (Poephagus grunniens L.) (Bos grunniens). Tropical Animal Health and Production, 2010, 42, 421-424.	1.4	7
54	Companion Animals Emerged as an Important Reservoir of Carbapenem-Resistant Enterobacteriaceae: A Report from India. Current Microbiology, 2021, 78, 1006-1016.	2.2	7

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55	Characterization of Multidrug-Resistant Biofilm-Producing Escherichia coli and Klebsiella pneumoniae in Healthy Cattle and Cattle with Diarrhea. Microbial Drug Resistance, 2021, 27, 1457-1469.	2.0	7
56	Polymorphism and natural selection of antigen B1 of Echinococcus granulosus isolated from different host assemblages in India. Molecular Biology Reports, 2010, 37, 1477-1482.	2.3	6
57	Relative expression of antigen B coding gene of bubaline isolates of Echinococcus granulosus in fertile and sterile cysts. Journal of Helminthology, 2010, 84, 241-244.	1.0	6
58	Antimicrobial resistance. , 2020, , 365-372.		6
59	Comparative occurrence of ESBL/AmpC betaâ€lactamaseâ€producing Escherichia coli and Salmonella in contract farm and backyard broilers. Letters in Applied Microbiology, 2022, 74, 53-62.	2.2	6
60	Prevalence of paratuberculosis in organized and unorganized dairy cattle herds in West Bengal, India. Veterinary World, 2017, 10, 574-579.	1.7	6
61	Molecular characterization and antibiotic susceptibility pattern of caprine Shiga toxin producing-Escherichia coli (STEC) isolates from India. Iranian Journal of Veterinary Research, 2015, 16, 31-5.	0.4	6
62	Use of zinc chloride as alternative stimulant for in vitro study of nitric oxide production pathway in avian splenocyte culture. Molecular Biology Reports, 2010, 37, 2223-2226.	2.3	5
63	Relative expression of the 14-3-3 gene in different morphotypes of cysts of Echinococcus granulosus isolated from the Indian buffalo. Journal of Helminthology, 2010, 84, 394-397.	1.0	5
64	Molecular characterization of antigen B2 subunit in two genotypes of Echinococcus granulosus from Indian bubaline isolates, its stage specific expression and serological evaluation. Molecular Biology Reports, 2011, 38, 2067-2073.	2.3	5
65	Experimental assessment of arsenic toxicity in garole sheep in India. Emerging Contaminants, 2016, 2, 128-134.	4.9	5
66	Evaluation of ameliorative effect of two selected plant drugs on experimentally induced arsenic toxicity in sheep. Environmental Science and Pollution Research, 2020, 27, 36744-36753.	5.3	5
67	An evaluation of antigen B family of Echinococcus granulosus, its conformational propensity and elucidation of the agretope. Journal of Helminthology, 2009, 83, 219-224.	1.0	4
68	Intra-species sequence variability in 28s rRNA gene of Oesophagostomum venulosum isolated from goats of West Bengal, India. Asian Pacific Journal of Tropical Medicine, 2010, 3, 515-518.	0.8	4
69	Staphylococcus. , 2020, , 195-215.		4
70	Pet bird diseases and care. , 2017, , .		4
71	Intra-species variability in ITS-1 sequences of Haemonchus contortus isolated from goats in West Bengal, India. Journal of Helminthology, 2011, 85, 204-209.	1.0	3
72	The productivity of Brassica rapa var. yellow sarson as influenced by integrated nutrient management practices and seed priming in Eastern Indian sub-Himalayan plains. SAARC Journal of Agriculture, 2014, 12, 106-116.	0.4	3

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73	Detection of bovine herpesvirus 1sequences in yaks (Bos grunniens) with keratoconjunctivitis, using a highly sensitive nested polymerase chain reaction. OIE Revue Scientifique Et Technique, 2010, 29, 695-703.	1.2	3
74	Elucidating the resistance repertoire, biofilm production, and phylogenetic characteristics of multidrugâ€resistant <scp>Escherichia coli</scp> isolated from community ponds: A study from West Bengal, India. Water Environment Research, 2022, 94, e1678.	2.7	3
75	Comparing the Effectiveness of Different Approaches to Raise Awareness About Antimicrobial Resistance in Farmers and Veterinarians of India. Frontiers in Public Health, 0, 10, .	2.7	3
76	Resistance to aminoglycoside, tetracycline and macrolides. , 2020, , 81-95.		2
77	Klebsiella. , 2020, , 153-169.		2
78	Use of antimicrobials and antibiotics in livestock, poultry, fishery and agriculture. , 2020, , 7-18.		1
79	The emergence of antimicrobial-resistant bacteria in livestock, poultry and agriculture. , 2020, , 19-27.		1
80	Systemic Clinical and Metabolic Diseases. , 2017, , 167-252.		1
81	Epidemiological and laboratory investigation of a zoonotic anthrax outbreak in West Bengal, India. Asian Pacific Journal of Tropical Disease, 2017, 7, 653-658.	0.5	1
82	Molecular Characterization of Biofilm-Producing Pseudomonas aeruginosa Isolated from Healthy Pigs and Chicken in India. Indian Journal of Animal Research, 2020, , .	0.1	1
83	Detection of canine echinococcosis by coproantigen ELISA. Asian Pacific Journal of Tropical Medicine, 2010, 3, 519-522.	0.8	0
84	Alternative antiinfective therapy. , 2020, , 343-355.		0
85	Î²-Lactamase. , 2020, , 47-57.		0
86	Carbapenem resistance. , 2020, , 59-69.		0
87	Resistance to fluoroquinolones. , 2020, , 71-80.		0
88	Characteristics of antimicrobial resistance among microorganisms of concern to animal, fish and human health. , 2020, , 135-151.		0
89	Escherichia coli. , 2020, , 171-193.		0
90	Characterization of enterovirulent Escherichia coli isolated from yak calves died of diarrhoea in India. Indian Journal of Animal Research, 2015, , .	0.1	0

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91	Variability of the antigen-coding gene of in animal and human origin: implications for vaccine development. Journal of Genetics, 2019, 98, .	0.7	0