

Saurabh Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

1,382
citations

394421

19
h-index

395702

33
g-index

101
all docs

101
docs citations

101
times ranked

1978
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathologist Workforce in the United States: I. Development of a Predictive Model to Examine Factors Influencing Supply. Archives of Pathology and Laboratory Medicine, 2013, 137, 1723-1732.	2.5	175
2	The Consensus from the Mycobacterium avium ssp. paratuberculosis (MAP) Conference 2017. Frontiers in Public Health, 2017, 5, 208.	2.7	90
3	Secondary metabolites from spice and herbs as potential multitarget inhibitors of SARS-CoV-2 proteins. Journal of Biomolecular Structure and Dynamics, 2022, 40, 2264-2283.	3.5	68
4	A Biostimulant Obtained from the Seaweed Ascophyllum nodosum Protects Arabidopsis thaliana from Severe Oxidative Stress. International Journal of Molecular Sciences, 2020, 21, 474.	4.1	62
5	Slnc: an accurate and fast error-model based simulator for SNPs, Indels and CNVs coupled with a read generator for short-read sequence data. BMC Bioinformatics, 2014, 15, 40.	2.6	58
6	The Draft Genome and Transcriptome of Amaranthus hypochondriacus: A C4 Dicot Producing High-Lysine Edible Pseudo-Cereal. DNA Research, 2014, 21, 585-602.	3.4	52
7	Biosynthesis of extracellular and intracellular gold nanoparticles by Aspergillus fumigatus and A. flavus. Antonie Van Leeuwenhoek, 2013, 103, 1113-1123.	1.7	51
8	Integrative Analysis of Normal Long Intergenic Non-Coding RNAs in Prostate Cancer. PLoS ONE, 2015, 10, e0122143.	2.5	38
9	Priming with a Seaweed Extract Strongly Improves Drought Tolerance in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 1469.	4.1	38
10	<i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> an important food borne pathogen of high public health significance with special reference to India: an update. Veterinary Quarterly, 2017, 37, 282-299.	6.7	36
11	Trends and advances in the diagnosis and control of paratuberculosis in domestic livestock. Veterinary Quarterly, 2016, 36, 203-227.	6.7	34
12	Genome-Wide Analysis of ROS Antioxidant Genes in Resurrection Species Suggest an Involvement of Distinct ROS Detoxification Systems during Desiccation. International Journal of Molecular Sciences, 2019, 20, 3101.	4.1	34
13	Investigations on the degradation of an antibiotic Cephalexin using suspended and supported TiO ₂ : Mineralization and durability studies. Canadian Journal of Chemical Engineering, 2016, 94, 1269-1276.	1.7	31
14	Concurrent Resolution of Chronic Diarrhea Likely Due to Crohn's Disease and Infection with Mycobacterium avium paratuberculosis. Frontiers in Medicine, 2016, 3, 49.	2.6	29
15	Localization of common carotid artery transverse section in B-mode ultrasound images using faster RCNN: a deep learning approach. Medical and Biological Engineering and Computing, 2020, 58, 471-482.	2.8	28
16	Influence of titanium and zirconia modified surfaces for rapid healing on adhesion and biofilm formation of Staphylococcus epidermidis. Archives of Oral Biology, 2020, 117, 104824.	1.8	27
17	Shoot and root single cell sequencing reveals tissue- and daytime-specific transcriptome profiles. Plant Physiology, 2022, 188, 861-878.	4.8	27
18	Molecular Mechanisms Preventing Senescence in Response to Prolonged Darkness in a Desiccation-Tolerant Plant. Plant Physiology, 2018, 177, 1319-1338.	4.8	26

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19	Some data quality issues at ClinicalTrials.gov. <i>Trials</i> , 2019, 20, 378.	1.6	26
20	Biosequestration, Transformation, and Volatilization of Mercury by <i>Lysinibacillus fusiformis</i> Isolated from Industrial Effluent. <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 684-689.	2.1	23
21	Developmentally controlled changes during <i>Arabidopsis</i> leaf development indicate causes for loss of stress tolerance with age. <i>Journal of Experimental Botany</i> , 2020, 71, 6340-6354.	4.8	18
22	Role of Genetically Modified Microorganisms in Heavy Metal Bioremediation. , 2017, , 197-214.		17
23	Oral Tissue Interactions and Cellular Response to Zirconia Implant-Prosthetic Components: A Critical Review. <i>Materials</i> , 2021, 14, 2825.	2.9	17
24	Singular value decomposition based computationally efficient algorithm for rapid dynamic near-infrared diffuse optical tomography. <i>Medical Physics</i> , 2009, 36, 5559-5567.	3.0	16
25	Comparative Evaluation of Different Test Combinations for Diagnosis of <i>Mycobacterium avium</i> Subspecies <i>paratuberculosis</i> Infecting Dairy Herds in India. <i>BioMed Research International</i> , 2015, 1-6.	1.9	16
26	First Mass Screening of the Human Population to Estimate the Bio-load of <i>Mycobacterium avium</i> Subspecies <i>paratuberculosis</i> in North India. <i>Journal of Biological Sciences</i> , 2014, 14, 237-247.	0.3	16
27	Vaccine approaches for the 'therapeutic management' of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection in domestic livestock. <i>Veterinary Quarterly</i> , 2019, 39, 143-152.	6.7	14
28	Proterozoic felsic and mafic magmatism in India: Implications for crustal evolution through crust-mantle interactions. <i>Episodes</i> , 2020, 43, 203-230.	1.2	14
29	Screening and characterization of potential cadmium biosorbent <i>Alcaligenes</i> strain from industrial effluent. <i>Journal of Basic Microbiology</i> , 2012, 52, 160-166.	3.3	13
30	Assessment of solar photocatalytic degradation and mineralization of amoxicillin trihydrate (AMT) using slurry and fixed-bed batch reactor: efficacy of parabolic trough collector. <i>RSC Advances</i> , 2016, 6, 36109-36117.	3.6	13
31	Mammalian cell entry operons; novel and major subset candidates for diagnostics with special reference to <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection. <i>Veterinary Quarterly</i> , 2019, 39, 65-75.	6.7	13
32	KVMInspector: KVM Based introspection approach to detect malware in cloud environment. <i>Journal of Information Security and Applications</i> , 2020, 51, 102460.	2.5	13
33	Impact of Host Genetics on Susceptibility and Resistance to <i>Mycobacterium avium</i> Subspecies <i>Paratuberculosis</i> Infection in Domestic Ruminants. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 251-266.	0.5	13
34	Human skin allograft: Is it a viable option in management of burn patients?. <i>Journal of Cutaneous and Aesthetic Surgery</i> , 2019, 12, 132.	0.3	13
35	Selenium Mobilization by <i>Pseudomonas aeruginosa</i> (SNT-SG1) Isolated from Seleniferous Soils from India. <i>Geomicrobiology Journal</i> , 2010, 27, 35-42.	2.0	11
36	Biosequestration of lead using <i>Bacillus</i> strains isolated from seleniferous soils and sediments of Punjab. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10186-10193.	5.3	11

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37	A novel seed plants gene regulates oxidative stress tolerance in Arabidopsis thaliana. Cellular and Molecular Life Sciences, 2020, 77, 705-718.	5.4	11
38	Effect of glutathione capping on the antibacterial activity of tin doped ZnO nanoparticles. Physica Scripta, 2021, 96, 125807.	2.5	11
39	The HB40-JUB1 transcriptional regulatory network controls gibberellin homeostasis in Arabidopsis. Molecular Plant, 2022, 15, 322-339.	8.3	11
40	The Impact of Metabolic Scion-Rootstock Interactions in Different Grapevine Tissues and Phloem Exudates. Metabolites, 2021, 11, 349.	2.9	10
41	Prevalence of Canine Babesiosis in Different Breeds of Dogs in and Around Bengaluru. Advances in Animal and Veterinary Sciences, 2017, 5, 140-144.	0.2	10
42	Genome Sequence of the Indian Bison Type Biotype of Mycobacterium avium subsp. paratuberculosis Strain S5. Genome Announcements, 2013, 1, .	0.8	9
43	Nano-immuno test™ for the detection of live Mycobacterium avium subspecies paratuberculosis bacilli in the milk samples using magnetic nano-particles and chromogen. Veterinary Research Communications, 2018, 42, 183-194.	1.6	8
44	Plants as Future Source of Anti-Mycobacterial Molecules and Armour for Fighting Drug Resistance. Asian Journal of Animal and Veterinary Advances, 2015, 10, 443-460.	0.0	7
45	Using Omics to Study Leprosy, Tuberculosis, and Other Mycobacterial Diseases. Frontiers in Cellular and Infection Microbiology, 2022, 12, 792617.	3.9	7
46	Do I Matter?. Journal of Organizational and End User Computing, 2014, 26, 60-79.	2.9	6
47	First report of Cryptosporidium sp. infection in sheep population of Ladakh, India. Journal of Parasitic Diseases, 2019, 43, 513-516.	1.0	6
48	Pseudo-time particle filtering for diffuse optical tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 2070.	1.5	5
49	A pseudo-time EnKF incorporating shape based reconstruction for diffuse optical tomography. Medical Physics, 2012, 39, 1092-1101.	3.0	5
50	Choosing Web 2.0 Tools for Instruction. International Journal of Information and Communication Technology Education, 2014, 10, 25-35.	1.0	5
51	Bio-Contamination Estimates of Mycobacterium Avium Subspecies Paratuberculosis in Fresh Cottage Cheese (Paneer) Sold in Rural, Semi-Urban and Peri-Urban Regions of South Uttar Pradesh using Multiple Diagnostic Tests. Advances in Animal and Veterinary Sciences, 2016, 4, 441-448.	0.2	5
52	Cadaveric Bilateral Transhumeral Upper Limb Transplantation: Journey to the Next level. Indian Journal of Plastic Surgery, 2020, 53, 119-123.	0.5	4
53	Prevalence of Mycobacterium avium subspecies paratuberculosis (MAP) infection in suspected diarrhoeic buffaloes and cattle reporting at Veterinary University in India. Comparative Immunology, Microbiology and Infectious Diseases, 2020, 73, 101533.	1.6	4
54	Therapeutic management of Mycobacterium avium subspecies paratuberculosis infection with complete resolution of symptoms and disease in a patient with advanced inflammatory bowel syndrome. Molecular Biology Reports, 2021, 48, 7013-7020.	2.3	4

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55	Development of New "Indigenous Dot-ELISA Kit"™ as Sensitive Field Based Herd Screening Test for the Diagnosis of Johne's Disease in the Domestic Buffalo Population. <i>Asian Journal of Animal and Veterinary Advances</i> , 2015, 11, 44-52.	0.0	4
56	Comparative performance of different antigens on the lateral flow assay (LFA) platform for the rapid serodiagnosis of paratuberculosis. <i>Journal of Microbiological Methods</i> , 2022, 192, 106367.	1.6	4
57	Application of Bayesian modeling for diagnostic assays of <i>Mycobacterium avium</i> subsp. paratuberculosis in sheep and goats flocks. <i>BMC Veterinary Research</i> , 2022, 18, 47.	1.9	4
58	Biosynthesis and characterization of Au-nanostructures by metal tolerant fungi. <i>Journal of Basic Microbiology</i> , 2011, 51, 601-606.	3.3	3
59	Fly-Ash Incorporated Slurry and Fixed-Bed Approach for Heterogeneous Solar Photo-Fenton Degradation of Isoproturon. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 1901-1907.	2.3	3
60	vProVal: Introspection based Process Validation for Detecting Malware in KVM-based Cloud Environment. , 2019, , .		3
61	Evaluation of newly developed "six recombinant secretory proteins based "cocktail ELISA"™ and "whole cell lysate"™ based "indigenous ELISA"™ and tissue microscopy"™ with "Gold standard"™ histo-pathology for the diagnosis of Johne's disease in slaughtered goats and buffaloes. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2019, 66, 101338.	1.6	3
62	Profiling of <i>Mycobacterium avium</i> subspecies paratuberculosis in the milk of lactating goats using antigen-antibody based assays. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2019, 64, 53-60.	1.6	3
63	Sequestration of mercury and cadmium by a heavy metals' tolerant <i>Bacillus cereus</i> strain JS-3: a microbial preparedness for terrestrial and anthropogenic hazards. <i>Bioremediation Journal</i> , 2022, 26, 198-207.	2.0	3
64	Diagnostic Potential of Three Antigens from Geographically Different Regions of the World for the Diagnosis of Ovine Johne's Disease in India. <i>Asian Journal of Animal and Veterinary Advances</i> , 2015, 10, 567-576.	0.0	3
65	Chemical and Ultrastructural Characteristics of Mycobacterial Biofilms. <i>Asian Journal of Animal and Veterinary Advances</i> , 2015, 10, 592-622.	0.0	3
66	"Therapeutic Management"™ of Incurable Paratuberculosis Using "Indigenous Vaccine"™ in Goatherds, Endemically Infected with Johne's Disease. <i>International Journal of Pharmacology</i> , 2017, 13, 145-155.	0.3	3
67	Johne's Disease (JD) in a High Yielding Holstein Friesian Cattle Dairy Farm in India. <i>Journal of Biological Sciences</i> , 2014, 14, 195-203.	0.3	3
68	Screening and Characterization of Next-Generation Biofuels Producing Bacterial Strains. <i>Current Microbiology</i> , 2022, 79, 85.	2.2	3
69	Detailed online quizzes: facilitating holistic, integrated learning experience in operations management. <i>International Journal of Information and Operations Management Education</i> , 2009, 3, 68.	0.2	2
70	Morphology and Chemistry of Zircons from the Paleoproterozoic Cu (±Mo±Au) Hosting Granitoids of Malanjkhand Mine Area, Central India. <i>Journal of the Geological Society of India</i> , 2019, 93, 257-262.	1.1	2
71	Innovative application of drone in monitoring the ICU patients avoiding personal visits. <i>Journal of Cutaneous and Aesthetic Surgery</i> , 2019, 12, 149.	0.3	2
72	Innovative use of abdominoplasty specimen. <i>Journal of Cutaneous and Aesthetic Surgery</i> , 2018, 11, 88.	0.3	2

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73	BIO-SAFETY OF MILK PRODUCTS AND Mycobacterium avium SUBSPECIES paratuberculosis AS MAJOR MICROBIAL CONTAMINANT USING MULTIPLE TESTS INCLUDING CULTURE AND SYBR GREEN REAL-TIME ASSAY. Journal of Experimental Biology and Agricultural Sciences, 2020, 8, 508-523.	0.4	2
74	MUSIC: A hybrid computing environment for burrows-wheeler alignment for massive amount of short read sequence data. , 2014, , .		1
75	Assessment of Ovine Johneâ€™s disease in the Mandya sheep breed in South India using multiple diagnostic tests and bio-typing of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection. Cogent Food and Agriculture, 2017, 3, 1298391.	1.4	1
76	Deciphering the transcriptomic insight during organogenesis in Castor (Ricinus communis L.), Jatropha (Jatropha curcas L.) and Sunflower (Helianthus annuus L.). 3 Biotech, 2019, 9, 434.	2.2	1
77	Spatial Patterns of Selenium and Profiling of Se-Tolerant Bacillus Strains in Shiwalik Foot-Hills. Geomicrobiology Journal, 2020, 37, 961-966.	2.0	1
78	Bio-typing of Mycobacterium avium subspecies paratuberculosis isolates recovered from the Himalayan sheep and goats. Tropical Animal Health and Production, 2021, 53, 237.	1.4	1
79	Geochemistry and U-Pb-Lu-Hf zircon isotopes of Cu (Â±Au Â± Mo) hosted granitoids of Malanjhand pluton, Central India: Implications on petrogenesis, source, and crustal evolution. Lithos, 2021, 402-403, 106153.	1.4	1
80	Genotoxic effect of fruit extract of wild and cultivated cucurbits using Allium cepa assay. International Journal of Vegetable Science, 0, , 1-13.	1.3	1
81	Development of rELISA using novel markers for the diagnosis of paratuberculosis. Journal of Immunological Methods, 2021, 497, 113105.	1.4	1
82	Current Scenario and Future Perspectives of CPV-2 Vaccines in India. Advances in Animal and Veterinary Sciences, 2017, 5, .	0.2	1
83	A Comparative Analysis of Invasive and Non-Invasive Method of Bone Marrow Stromal Cell Isolation. Asian Journal of Animal and Veterinary Advances, 2015, 10, 549-555.	0.0	1
84	Comparative Evaluation of Lateral Flow Assay and PCR for Detection of Canine Parvovirus. Advances in Animal and Veterinary Sciences, 2016, 4, 580-583.	0.2	1
85	Low level laser as an adjunct therapy for second degree superficial burns. Plastic and Aesthetic Research, 2018, 5, 41.	0.4	1
86	SumNet Convolution Neural network based Automated pulmonary nodule detection system. , 2020, , .		1
87	A Rare Pattern of Median Nerve Branching in the Hand. Indian Journal of Plastic Surgery, 2019, 52, 258-259.	0.5	0
88	Comparative evaluation of Mycobacterium avium subspecies paratuberculosis (MAP) recombinant secretory proteins as DTH marker for paratuberculosis. Journal of Microbiological Methods, 2020, 175, 105987.	1.6	0
89	Protracted Paleozoicâ€™early Triassic thermal events in the Almora nappe, Kumaun Lesser Himalaya, India: Evidence from zircon Uâ€™Pb geochronology of Almora paragneiss. Journal of Earth System Science, 2021, 130, 1.	1.3	0
90	Pseudo-time Particle Filtering with quasi-Newton steps for Diffuse Optical Tomography. , 2016, , .		0

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91	Accelerated Particle Filtering with quasi-Newton steps for Diffuse Optical Tomography. , 2017, , .		0
92	Innovative skin hook. Journal of Cutaneous and Aesthetic Surgery, 2018, 11, 148.	0.3	0
93	Pseudo-time Ensemble Kalman Filtering for Ultrasound Modulated Optical Tomography. , 2018, , .		0
94	Role of newer technologies in wound bed preparation in Fournier's gangrene. Plastic and Aesthetic Research, 2018, 5, 20.	0.4	0
95	Autologous platelet rich plasma - an adjunct to early tangential excision and grafting in burns. Plastic and Aesthetic Research, 0, 2018, .	0.4	0
96	Innovative cervical splint: overcoming an obstacle. Plastic and Aesthetic Research, 0, 2018, .	0.4	0
97	The role of comorbidity in the prognosis of thermal burns. Indian Journal of Burns, 2019, 27, 16.	0.2	0
98	Development and Standardization of Visual Loop Mediated Isothermal Amplification (LAMP) Essay for Specific Diagnosis of Johne's Disease. Indian Journal of Animal Research, 2020, , .	0.1	0