

Asim K Bej

List of Publications by Year in descending order

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75
papers

3,993
citations

117625

34
h-index

123424

61
g-index

77
all docs

77
docs citations

77
times ranked

3518
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of total and hemolysin-producing <i>Vibrio parahaemolyticus</i> in shellfish using multiplex PCR amplification of <i>tl</i> , <i>tdh</i> and <i>trh</i> . <i>Journal of Microbiological Methods</i> , 1999, 36, 215-225.	1.6	516
2	Response of microbial populations to environmental disturbance. <i>Microbial Ecology</i> , 1991, 22, 249-256.	2.8	225
3	Detection of Pathogenic <i>Vibrio</i> spp. in Shellfish by Using Multiplex PCR and DNA Microarrays. <i>Applied and Environmental Microbiology</i> , 2004, 70, 7436-7444.	3.1	187
4	Detection of <i>Legionella</i> with polymerase chain reaction and gene probe methods. <i>Molecular and Cellular Probes</i> , 1990, 4, 175-187.	2.1	163
5	Rapid Detection of <i>Vibrio vulnificus</i> in Shellfish and Gulf of Mexico Water by Real-Time PCR. <i>Applied and Environmental Microbiology</i> , 2004, 70, 498-507.	3.1	161
6	Detection of Microbial Pathogens in Shellfish with Multiplex PCR. <i>Current Microbiology</i> , 1998, 37, 101-107.	2.2	148
7	Amplification of Nucleic Acids by Polymerase Chain Reaction (PCR) and Other Methods and their Applications. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1991, 26, 301-334.	5.2	136
8	Cold-tolerant alkane-degrading <i>Rhodococcus</i> species from Antarctica. <i>Polar Biology</i> , 2000, 23, 100-105.	1.2	134
9	Multiplex PCR amplification and immobilized capture probes for detection of bacterial pathogens and indicators in water. <i>Molecular and Cellular Probes</i> , 1990, 4, 353-365.	2.1	132
10	Detection of <i>Vibrio parahaemolyticus</i> in Shellfish by Use of Multiplexed Real-Time PCR with TaqMan Fluorescent Probes. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2031-2042.	3.1	120
11	The gut microbiome of the sea urchin, <i>Lytechinus variegatus</i> , from its natural habitat demonstrates selective attributes of microbial taxa and predictive metabolic profiles. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw146.	2.7	113
12	<i>Desulfonatronum thiodismutans</i> sp. nov., a novel alkaliphilic, sulfate-reducing bacterium capable of lithoautotrophic growth. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1327-1332.	1.7	96
13	<i>Spirochaeta americana</i> sp. nov., a new haloalkaliphilic, obligately anaerobic spirochaete isolated from soda Mono Lake in California. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 815-821.	1.7	95
14	Real-Time PCR Detection of <i>Vibrio vulnificus</i> in Oysters: Comparison of Oligonucleotide Primers and Probes Targeting <i>vwA</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 5702-5709.	3.1	87
15	An abundance of Epsilonproteobacteria revealed in the gut microbiome of the laboratory cultured sea urchin, <i>Lytechinus variegatus</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1047.	3.5	82
16	Characterization of <i>Arthrobacter nicotinovorans</i> HIM, an atrazine-degrading bacterium, from agricultural soil New Zealand. <i>FEMS Microbiology Ecology</i> , 2005, 52, 279-286.	2.7	78
17	PCR Detection of a Newly Emerged Pandemic <i>Vibrio parahaemolyticus</i> O3:K6 Pathogen in Pure Cultures and Seeded Waters from the Gulf of Mexico. <i>Applied and Environmental Microbiology</i> , 2003, 69, 2194-2200.	3.1	77
18	Comparison of two bioinformatics tools used to characterize the microbial diversity and predictive functional attributes of microbial mats from Lake Obersee, Antarctica. <i>Journal of Microbiological Methods</i> , 2017, 140, 15-22.	1.6	70

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19	Detection of Salmonella spp. in Oysters Using Polymerase Chain Reactions (PCR) and Gene Probes. <i>Journal of Food Science</i> , 1993, 58, 1191-1197.	3.1	68
20	Detection of viable <i>Vibrio cholerae</i> by reverse-transcriptase polymerase chain reaction (RT-PCR). <i>Molecular Biotechnology</i> , 1996, 5, 1-10.	2.4	64
21	Adaptive Response to Cold Temperatures in <i>Vibrio vulnificus</i> . <i>Current Microbiology</i> , 1999, 38, 168-175.	2.2	62
22	<i>Trichococcus patagoniensis</i> sp. nov., a facultative anaerobe that grows at 5°C, isolated from penguin guano in Chilean Patagonia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2055-2062.	1.7	62
23	Detection of pathogenic bacteria in shellfish using multiplex PCR followed by CovaLink [®] , a NH microwell plate sandwich hybridization. <i>Journal of Microbiological Methods</i> , 2003, 53, 199-209.	1.6	60
24	Antimycobacterial activity in vitro of pigments isolated from Antarctic bacteria. <i>Antonie Van Leeuwenhoek</i> , 2010, 98, 531-540.	1.7	58
25	<i>Tindallia californiensis</i> sp. nov., a new anaerobic, haloalkaliphilic, spore-forming acetogen isolated from Mono Lake in California. <i>Extremophiles</i> , 2003, 7, 327-334.	2.3	57
26	<i>Thermococcus thioeducens</i> sp. nov., a novel hyperthermophilic, obligately sulfur-reducing archaeon from a deep-sea hydrothermal vent. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1612-1618.	1.7	51
27	Microbial Communities and Their Predicted Metabolic Functions in Growth Laminae of a Unique Large Conical Mat from Lake Untersee, East Antarctica. <i>Frontiers in Microbiology</i> , 2017, 8, 1347.	3.5	51
28	Multiplex PCR detection of clinical and environmental strains of <i>Vibrio vulnificus</i> in shellfish. <i>Canadian Journal of Microbiology</i> , 2004, 50, 911-922.	1.7	47
29	Cold tolerance of <i>Pseudomonas</i> sp. 30-3 isolated from oil-contaminated soil, Antarctica. <i>Polar Biology</i> , 2002, 25, 5-11.	1.2	43
30	A high efficiency transformation system for the basidiomycete <i>Ustilago violacea</i> employing hygromycin resistance and lithium-acetate treatment. <i>Gene</i> , 1989, 80, 171-176.	2.2	41
31	Detection of <i>Giardia</i> in Environmental Waters by Immuno-PCR Amplification Methods. <i>Current Microbiology</i> , 1998, 36, 107-113.	2.2	40
32	Bacterial community shift in the coastal Gulf of Mexico salt-marsh sediment microcosm in vitro following exposure to the Mississippi Canyon Block 252 oil (MC252). <i>3 Biotech</i> , 2015, 5, 379-392.	2.2	40
33	Growth, Survival and Characterization of <i>cspA</i> in <i>Salmonella enteritidis</i> Following Cold Shock. <i>Current Microbiology</i> , 1998, 36, 29-35.	2.2	38
34	UV and cold tolerance of a pigment-producing Antarctic <i>Janthinobacterium</i> sp. Ant5-2. <i>Extremophiles</i> , 2013, 17, 367-378.	2.3	38
35	Detection, expression and quantitation of the biodegradative genes in Antarctic microorganisms using PCR. <i>Antonie Van Leeuwenhoek</i> , 2010, 97, 275-287.	1.7	35
36	<i>Tsukamurella spongiae</i> sp. nov., a novel actinomycete isolated from a deep-water marine sponge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1478-1481.	1.7	35

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37	Metagenomics approach to the study of the gut microbiome structure and function in zebrafish <i>Danio rerio</i> fed with gluten formulated diet. <i>Journal of Microbiological Methods</i> , 2017, 135, 69-76.	1.6	34
38	Response and tolerance of toxigenic <i>Vibrio cholerae</i> O1 to cold temperatures. <i>Antonie Van Leeuwenhoek</i> , 2001, 79, 377-384.	1.7	30
39	Metagenomic Analysis of Microbial Community Compositions and Cold-Responsive Stress Genes in Selected Antarctic Lacustrine and Soil Ecosystems. <i>Life</i> , 2018, 8, 29.	2.4	29
40	Multiplexed real-time PCR amplification of <i>tlh</i> , <i>tdh</i> and <i>trh</i> genes in <i>Vibrio parahaemolyticus</i> and its rapid detection in shellfish and Gulf of Mexico water. <i>Antonie Van Leeuwenhoek</i> , 2010, 98, 279-290.	1.7	27
41	Bacterial diversity of the rock-water interface in an East Antarctic freshwater ecosystem, Lake Tawani(P). <i>Aquatic Biosystems</i> , 2013, 9, 4.	1.8	27
42	Adaptive response to cold temperatures and characterization of <i>cspA</i> in <i>Salmonella typhimurium</i> LT2. <i>Antonie Van Leeuwenhoek</i> , 2000, 77, 13-20.	1.7	25
43	The Purple Sea Urchin <i>Strongylocentrotus purpuratus</i> Demonstrates a Compartmentalization of Gut Bacterial Microbiota, Predictive Functional Attributes, and Taxonomic Co-Occurrence. <i>Microorganisms</i> , 2019, 7, 35.	3.6	24
44	Molecular based methods for the detection of microbial pathogens in the environment. <i>Journal of Microbiological Methods</i> , 2003, 53, 139-140.	1.6	22
45	The antiproliferative function of violacein-like purple violet pigment (PVP) from an Antarctic <i>Janthinobacterium</i> sp. Ant5-2 in UV-induced 2237 fibrosarcoma. <i>International Journal of Dermatology</i> , 2011, 50, 1223-1233.	1.0	22
46	Comparative analysis of bacterial community-metagenomics in coastal Gulf of Mexico sediment microcosms following exposure to Macondo oil (MC252). <i>Antonie Van Leeuwenhoek</i> , 2014, 106, 993-1009.	1.7	21
47	DETECTING BACTERIAL PATHOGENS IN ENVIRONMENTAL WATER SAMPLES BY USING PCR AND GENE PROBES. , 1990, , 399-406.		20
48	Antimicrobial activity of PVP from an Antarctic bacterium, <i>Janthinobacterium</i> sp. Ant5-2, on multi-drug and methicillin resistant <i>Staphylococcus aureus</i> . <i>Natural Products and Bioprospecting</i> , 2012, 2, 104-110.	4.3	17
49	Draft Genome Sequence of <i>Janthinobacterium</i> sp. Ant5-2-1, Isolated from Proglacial Lake Podprudnoye in the Schirmacher Oasis of East Antarctica. <i>Genome Announcements</i> , 2016, 4, .	0.8	17
50	Occurrence and distribution of <i>capB</i> in Antarctic microorganisms and study of its structure and regulation in the Antarctic biodegradative <i>Pseudomonas</i> sp. 30/3. <i>Extremophiles</i> , 2010, 14, 171-183.	2.3	16
51	Bacterial gene expression at low temperatures. <i>Extremophiles</i> , 2012, 16, 167-176.	2.3	16
52	Optimization of the arbitrarily-primed polymerase chain reaction (AP-PCR) for intra-species differentiation of <i>Vibrio vulnificus</i> . <i>Journal of Microbiological Methods</i> , 1998, 33, 181-189.	1.6	15
53	Structure and function of a cold shock domain fold protein, CspD, in <i>Janthinobacterium</i> sp. Ant5-2 from East Antarctica. <i>FEMS Microbiology Letters</i> , 2011, 319, 106-114.	1.8	13
54	Acquisition of mitochondrial DNA by a transformation vector for <i>Ustilago violacea</i> . <i>Gene</i> , 1991, 98, 135-140.	2.2	12

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55	Introduction and maintenance of prokaryotic DNA in <i>Ustilago violacea</i> . <i>Journal of Industrial Microbiology</i> , 1990, 5, 355-363.	0.9	11
56	Detection of pandemic <i>Vibrio parahaemolyticus</i> O3:K6 serovar in Gulf of Mexico water and shellfish using real-time PCR with Taqman [®] fluorescent probes. <i>FEMS Microbiology Letters</i> , 2006, 262, 185-192.	1.8	11
57	Distribution of cold adaptation proteins in microbial mats in Lake Joyce, Antarctica: Analysis of metagenomic data by using two bioinformatics tools. <i>Journal of Microbiological Methods</i> , 2016, 120, 23-28.	1.6	11
58	Analysis of aggregative behavior of <i>Pseudomonas</i> sp. 30-3 isolated from Antarctic soil. <i>Soil Biology and Biochemistry</i> , 2006, 38, 3152-3157.	8.8	9
59	Draft Genome Sequence of <i>Hymenobacter</i> sp. Strain IS2118, Isolated from a Freshwater Lake in Schirmacher Oasis, Antarctica, Reveals Diverse Genes for Adaptation to Cold Ecosystems. <i>Genome Announcements</i> , 2014, 2, .	0.8	8
60	Anaerobic halo-alkaliphilic bacterial community of athalassic, hypersaline Mono lake and Owens Lake in California. , 2003, , .		7
61	Bacterial diversity within five unexplored freshwater lakes interconnected by surface channels in East Antarctic Dronning Maud Land (Schirmacher Oasis) using amplicon pyrosequencing. <i>Polar Biology</i> , 2014, 37, 359-366.	1.2	7
62	Diversity of bacterial communities in the lakes of Schirmacher Oasis, Antarctica. , 2009, , .		5
63	High-throughput amplicon sequencing datasets of the metacommunity DNA of the gut microbiota of naturally occurring and laboratory aquaculture green sea urchins <i>Lytechinus variegatus</i> . <i>Data in Brief</i> , 2019, 26, 104405.	1.0	5
64	Diversity and cold adaptation of microorganisms isolated from the Schirmacher Oasis, Antarctica. <i>Proceedings of SPIE</i> , 2008, , .	0.8	4
65	Comparison of the microbial diversity and abundance between the freshwater land-locked lakes of Schirmacher Oasis, and the perennially ice-covered Lake Untersee in East Antarctica. <i>Proceedings of SPIE</i> , 2010, , .	0.8	3
66	Detection of <i>Salmonella</i> in Shellfish Using SYBR Green [®] , qI-Based Real-Time Multiplexed PCR Assay Targeting <i>invA</i> and <i>spvB</i> . <i>Food Analytical Methods</i> , 2013, 6, 922-932.	2.6	3
67	Microbial Community Composition and Predicted Functional Attributes of Antarctic Lithobionts Using Targeted Next-Generation Sequencing and Bioinformatics Tools. <i>Methods in Microbiology</i> , 2018, , 243-290.	0.8	3
68	The Gut Microbiota of Naturally Occurring and Laboratory Aquaculture <i>Lytechinus variegatus</i> Revealed Differences in the Community Composition, Taxonomic Co-Occurrence, and Predicted Functional Attributes. <i>Applied Microbiology</i> , 2021, 1, 201-224.	1.6	2
69	Microbial Composition and Genes for Key Metabolic Attributes in the Gut Digesta of Sea Urchins <i>Lytechinus variegatus</i> and <i>Strongylocentrotus purpuratus</i> Using Shotgun Metagenomics. <i>Current Issues in Molecular Biology</i> , 2021, 43, 978-995.	2.4	2
70	Spectral profiling and imaging (SPI): extending L.I.F.E. technology for the remote exploration of life in ice caves (R.E.L.I.C.) on Earth and Mars. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
71	Hypothesized Microenvironments for the Origin of Microbial Life on Earth. <i>Cellular Origin and Life in Extreme Habitats</i> , 2012, , 775-795.	0.3	1
72	Metagenomic data of the bacterial community in coastal Gulf of Mexico sediment microcosms following exposure to Macondo oil (MC252). <i>Data in Brief</i> , 2016, 6, 89-93.	1.0	1

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73	A high efficiency transformation system for the basidiomycete <i>Ustilago violacea</i> employing hygromycin resistance and lithium-acetate treatment. <i>Gene</i> , 1990, 86, 135.	2.2	0
74	Erratum / Erratum. <i>Canadian Journal of Microbiology</i> , 2007, 53, 671-671.	1.7	0
75	Draft Genome Sequence of <i>Pseudomonas</i> sp. Strain Ant30-3, a Psychrotolerant Bacterium with Biodegradative Attribute Isolated from Antarctica. <i>Genome Announcements</i> , 2014, 2, .	0.8	0