

Sandra Baena

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Modulation of the Biocatalytic Properties of a Novel Lipase from Psychrophilic <i>Serratia</i> sp. (USBA-GBX-513) by Different Immobilization Strategies. <i>Molecules</i> , 2021, 26, 1574.	3.8	5
2	Bioactive Potential of Extracts of <i>Labrenzia aggregata</i> Strain USBA 371, a Halophilic Bacterium Isolated from a Terrestrial Source. <i>Molecules</i> , 2020, 25, 2546.	3.8	3
3	<i>Salifodinibacter halophilus</i> gen. nov., sp. nov., a halophilic gammaproteobacterium in the family <i>Salinisphaeraceae</i> isolated from a salt mine in the Colombian Andes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5888-5898.	1.7	10
4	Production of Polyunsaturated Fatty Acids and Lipids from Autotrophic, Mixotrophic and Heterotrophic cultivation of <i>Galdieria</i> sp. strain USBA-GBX-832. <i>Scientific Reports</i> , 2019, 9, 10791.	3.3	69
5	Colombian Andean thermal springs: reservoir of thermophilic anaerobic bacteria producing hydrolytic enzymes. <i>Extremophiles</i> , 2019, 23, 793-808.	2.3	5
6	Genome Sequences of Actinobacteria from Extreme Environments in Colombia. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	3
7	Description of <i>Alicyclobacillus montanus</i> sp. nov., a mixotrophic bacterium isolated from acidic hot springs. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1608-1615.	1.7	18
8	Mining lipolytic enzymes in community DNA from high Andean soils using a targeted approach. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1035-1051.	1.7	4
9	Description of a new anaerobic thermophilic bacterium, <i>Thermoanaerobacterium butyriciformans</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 2017, 40, 86-91.	2.8	14
10	Microbial diversity of saline environments: searching for cytotoxic activities. <i>AMB Express</i> , 2017, 7, 223.	3.0	17
11	Response Surface Methodology (RSM) for analysing culture conditions of <i>Acidocella facilis</i> strain USBA-GBX-505 and Partial Purification and Biochemical Characterization of Lipase 505 LIP. <i>Universitas Scientiarum</i> , 2017, 22, 45.	0.4	4
12	Draft genome sequence of <i>Pseudomonas extremaustralis</i> strain USBA-GBX 515 isolated from Superparamo soil samples in Colombian Andes. <i>Standards in Genomic Sciences</i> , 2017, 12, 78.	1.5	7
13	Draft genome sequence of <i>Dethiosulfovibrio salsuginis</i> DSM 21565T an anaerobic, slightly halophilic bacterium isolated from a Colombian saline spring. <i>Standards in Genomic Sciences</i> , 2017, 12, 86.	1.5	0
14	Draft genome and description of <i>Consotaella salsifontis</i> gen. nov. sp. nov., a halophilic, free-living, nitrogen-fixing alphaproteobacterium isolated from an ancient terrestrial saline spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3744-3751.	1.7	10
15	ISOLATION OF LIPOLYTIC BACTERIA FROM COLOMBIAN ANDEAN SOILS: A TARGET FOR BIOPROSPECTING. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2017, 6, 1250-1256.	0.8	2
16	Evaluation of biological production of lactic acid in a synthetic medium and in <i>Aloe vera</i> (L.) Burm. f. processing by-products. <i>Universitas Scientiarum</i> , 2015, 20, 369.	0.4	8
17	Salt Stress Induced Changes in the Exoproteome of the Halotolerant Bacterium <i>Tistlia consotensis</i> Deciphered by Proteogenomics. <i>PLoS ONE</i> , 2015, 10, e0135065.	2.5	47
18	Manantiales salinos: Inventarios de Diversidad Metabólica y filogenética de microorganismos de ambientes salinos. <i>Revista De La Academia Colombiana De Ciencias Exactas, Físicas Y Naturales</i> , 2015, 39, 358.	0.2	3

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19	A novel thermoalkalostable esterase from <i>Acidicaldus</i> sp. strain USBA-GBX-499 with enantioselectivity isolated from an acidic hot springs of Colombian Andes. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8603-8616.	3.6	27
20	Neotropical Andes hot springs harbor diverse and distinct planktonic microbial communities. <i>FEMS Microbiology Ecology</i> , 2014, 89, 56-66.	2.7	21
21	Proteogenomic insights into salt tolerance by a halotolerant alpha-proteobacterium isolated from an Andean saline spring. <i>Journal of Proteomics</i> , 2014, 97, 36-47.	2.4	53
22	<i>Caloramator quimbayensis</i> sp. nov., an anaerobic, moderately thermophilic bacterium isolated from a terrestrial hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 1396-1402.	1.7	20
23	The Microbiome of Brazilian Mangrove Sediments as Revealed by Metagenomics. <i>PLoS ONE</i> , 2012, 7, e38600.	2.5	222
24	Structural and Functional Insights from the Metagenome of an Acidic Hot Spring Microbial Planktonic Community in the Colombian Andes. <i>PLoS ONE</i> , 2012, 7, e52069.	2.5	82
25	In-depth Characterization via Complementing Culture-Independent Approaches of the Microbial Community in an Acidic Hot Spring of the Colombian Andes. <i>Microbial Ecology</i> , 2012, 63, 103-115.	2.8	111
26	A novel cold active esterase derived from Colombian high Andean forest soil metagenome. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 361-370.	3.6	32
27	Taxonomic and functional assignment of cloned sequences from high Andean forest soil metagenome. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 205-215.	1.7	20
28	<i>Desulfosoma caldarium</i> gen. nov., sp. nov., a thermophilic sulfate-reducing bacterium from a terrestrial hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 732-736.	1.7	26
29	Peptidolytic microbial community of methanogenic reactors from two modified UASBs of brewery industries. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 707-717.	2.0	6
30	<i>Dethiosulfovibrio salsuginis</i> sp. nov., an anaerobic, slightly halophilic bacterium isolated from a saline spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 850-853.	1.7	19
31	<i>Tistlia consotensis</i> gen. nov., sp. nov., an aerobic, chemoheterotrophic, free-living, nitrogen-fixing alphaproteobacterium, isolated from a Colombian saline spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1437-1443.	1.7	34
32	<i>Aminiphilus circumscriptus</i> gen. nov., sp. nov., an anaerobic amino-acid-degrading bacterium from an upflow anaerobic sludge reactor. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1914-1918.	1.7	51
33	<i>Desulfomicrobium thermophilum</i> sp. nov., a novel thermophilic sulphate-reducing bacterium isolated from a terrestrial hot spring in Colombia. <i>Extremophiles</i> , 2007, 11, 295-303.	2.3	54
34	<i>Aminobacterium mobile</i> sp. nov., a new anaerobic amino-acid-degrading bacterium.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2000, 50, 259-264.	1.7	87
35	<i>Aminomonas paucivorans</i> gen. nov., sp. nov., a mesophilic, anaerobic, amino-acid-utilizing bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 975-982.	1.7	83
36	Phylogenetic relationships of three amino-acid-utilizing anaerobes, <i>Selenomonas acidaminovorans</i> , <i>Selenomonas acidaminophila</i> ™ and <i>Eubacterium acidaminophilum</i> , as inferred from partial 16S rDNA nucleotide sequences and proposal of <i>Thermanaerovibrio acidaminovorans</i> gen. nov., comb. nov. and <i>Anaeromusa acidaminophila</i> gen. nov., comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 969-974.	1.7	68

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37	Aminobacterium colombiense gen. nov. sp. nov., an Amino Acid-degrading Anaerobe Isolated from Anaerobic Sludge. <i>Anaerobe</i> , 1998, 4, 241-250.	2.1	130
38	Efficiency of ammonia and phosphorus removal from a colombian agroindustrial wastewater by the microalgae <i>Chlorella vulgaris</i> and <i>Scenedesmus dimorphus</i> . <i>Bioresource Technology</i> , 1997, 60, 259-262.	9.6	310