

Mauro Tonolla

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6636014/publications.pdf>

Version: 2024-02-01

78
papers

3,146
citations

126907

33
h-index

168389

53
g-index

85
all docs

85
docs citations

85
times ranked

3949
citing authors

#	ARTICLE	IF	CITATIONS
1	Composition of bacterial and archaeal communities in freshwater sediments with different contamination levels (Lake Geneva, Switzerland). <i>Water Research</i> , 2011, 45, 1213-1228.	11.3	192
2	Evidence for anaerobic oxidation of methane in sediments of a freshwater system (Lago di Cadagno). <i>FEMS Microbiology Ecology</i> , 2011, 76, 26-38.	2.7	166
3	PCR Detection, Characterization, and Distribution of Virulence Genes in <i>Aeromonas</i> spp. <i>Applied and Environmental Microbiology</i> , 1999, 65, 5293-5302.	3.1	165
4	European Surveillance for West Nile Virus in Mosquito Populations. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 4869-4895.	2.6	149
5	Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for the Identification of Clinically Relevant Bacteria. <i>PLoS ONE</i> , 2011, 6, e16424.	2.5	132
6	Fluorescence in situ hybridization of 16S rRNA gene clones (Clone-FISH) for probe validation and screening of clone libraries. <i>Environmental Microbiology</i> , 2002, 4, 713-720.	3.8	113
7	Rapid species specific identification and subtyping of <i>Yersinia enterocolitica</i> by MALDI-TOF Mass spectrometry. <i>Journal of Microbiological Methods</i> , 2011, 87, 150-153.	1.6	97
8	Identification of dermatophytes by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Medical Mycology</i> , 2013, 51, 514-521.	0.7	82
9	Application of Whole-Cell Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for Rapid Identification and Clustering Analysis of <i>Pantoea</i> Species. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4497-4509.	3.1	76
10	CO ₂ assimilation in the chemocline of Lake Cadagno is dominated by a few types of phototrophic purple sulfur bacteria. <i>FEMS Microbiology Ecology</i> , 2013, 84, 421-432.	2.7	75
11	Combining sedimentological, trace metal (Mn, Mo) and molecular evidence for reconstructing past water-column redox conditions: The example of meromictic Lake Cadagno (Swiss Alps). <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 220-238.	3.9	70
12	In Situ Analysis of Phototrophic Sulfur Bacteria in the Chemocline of Meromictic Lake Cadagno (Switzerland). <i>Applied and Environmental Microbiology</i> , 1999, 65, 1325-1330.	3.1	69
13	Identification of <i>Staphylococcus intermedius</i> Group by MALDI-TOF MS. <i>Systematic and Applied Microbiology</i> , 2011, 34, 45-51.	2.8	65
14	MALDI-TOF MS of <i>Trichoderma</i> : a model system for the identification of microfungi. <i>Mycological Progress</i> , 2010, 9, 79-100.	1.4	60
15	A Rapid MALDI-TOF MS Identification Database at Genospecies Level for Clinical and Environmental <i>Aeromonas</i> Strains. <i>PLoS ONE</i> , 2012, 7, e48441.	2.5	60
16	In Situ Analysis of Sulfate-Reducing Bacteria Related to <i>Desulfocapsa thiozymogenes</i> in the Chemocline of Meromictic Lake Cadagno (Switzerland). <i>Applied and Environmental Microbiology</i> , 2000, 66, 820-824.	3.1	59
17	Spatio-temporal distribution of phototrophic sulfur bacteria in the chemocline of meromictic Lake Cadagno (Switzerland). <i>FEMS Microbiology Ecology</i> , 2003, 43, 89-98.	2.7	59
18	Long-Term Population Dynamics of Phototrophic Sulfur Bacteria in the Chemocline of Lake Cadagno, Switzerland. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3544-3550.	3.1	59

#	ARTICLE	IF	CITATIONS
19	Rapid identification of <i>Legionella</i> spp. by MALDI-TOF MS based protein mass fingerprinting. <i>Systematic and Applied Microbiology</i> , 2011, 34, 40-44.	2.8	59
20	First report of the invasive mosquito species <i>Aedes koreicus</i> in the Swiss-Italian border region. <i>Parasites and Vectors</i> , 2015, 8, 402.	2.5	57
21	Matrix-Assisted Laser Desorption Ionization- Time of Flight (MALDI-TOF) Mass Spectrometry Using the Vitek MS System for Rapid and Accurate Identification of Dermatophytes on Solid Cultures. <i>Journal of Clinical Microbiology</i> , 2014, 52, 4286-4292.	3.9	55
22	Isolation and characterization of aggregate-forming sulfate-reducing and purple sulfur bacteria from the chemocline of meromictic Lake Cadagno, Switzerland. <i>FEMS Microbiology Ecology</i> , 2003, 45, 29-37.	2.7	54
23	Dominance of a clonal green sulfur bacterial population in a stratified lake. <i>FEMS Microbiology Ecology</i> , 2009, 70, 30-41.	2.7	54
24	<i>Aeromonas tecta</i> sp. nov., isolated from clinical and environmental sources. <i>Systematic and Applied Microbiology</i> , 2008, 31, 278-286.	2.8	52
25	Discrimination of freshwater fish species by Matrix-Assisted Laser Desorption/Ionization- Time Of Flight Mass Spectrometry (MALDI-TOF MS): a pilot study. <i>Journal of Limnology</i> , 2012, 71, 17.	1.1	49
26	Ribosomal protein biomarkers provide root nodule bacterial identification by MALDI-TOF MS. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5547-5562.	3.6	47
27	Strategies of a thirteen year surveillance programme on <i>Aedes albopictus</i> (<i>Stegomyia albopicta</i>) in southern Switzerland. <i>Parasites and Vectors</i> , 2015, 8, 208.	2.5	46
28	Characterization of fecal indicator bacteria in sediments cores from the largest freshwater lake of Western Europe (Lake Geneva, Switzerland). <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 50-56.	6.0	44
29	Phototropic sulfur and sulfate-reducing bacteria in the chemocline of meromictic Lake Cadagno, Switzerland. <i>Journal of Limnology</i> , 2004, 63, 161.	1.1	43
30	Rapid identification of acetic acid bacteria using MALDI-TOF mass spectrometry fingerprinting. <i>Systematic and Applied Microbiology</i> , 2013, 36, 75-81.	2.8	42
31	In Situ Identification of Plant-Invasive Bacteria with MALDI-TOF Mass Spectrometry. <i>PLoS ONE</i> , 2012, 7, e37189.	2.5	41
32	Comparative proteomics and activity of a green sulfur bacterium through the water column of Lake Cadagno, Switzerland. <i>Environmental Microbiology</i> , 2011, 13, 203-215.	3.8	38
33	Spread and establishment of <i>Aedes albopictus</i> in southern Switzerland between 2003 and 2014: an analysis of oviposition data and weather conditions. <i>Parasites and Vectors</i> , 2016, 9, 304.	2.5	37
34	<i>Candidatus Thiodictyon syntrophicum</i> sp. nov., a new purple sulfur bacterium isolated from the chemocline of Lake Cadagno forming aggregates and specific associations with <i>Desulfocapsa</i> sp.. <i>Systematic and Applied Microbiology</i> , 2012, 35, 139-144.	2.8	36
35	Distribution of <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> in Soil of a Swiss Wetland Reserve after 22 Years of Mosquito Control. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3663-3668.	3.1	34
36	Surveillance of invasive <i>Aedes</i> Mosquitoes along Swiss traffic axes reveals different dispersal modes for <i>Aedes albopictus</i> and <i>Ae. japonicus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008705.	3.0	33

#	ARTICLE	IF	CITATIONS
37	Viral Metagenomic Analysis of <i>Aedes albopictus</i> Mosquitos from Southern Switzerland. <i>Viruses</i> , 2020, 12, 929.	3.3	32
38	<i>Thiocystis chemoclinalis</i> sp. nov. and <i>Thiocystis cadagnonensis</i> sp. nov., motile purple sulfur bacteria isolated from the chemocline of a meromictic lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1682-1687.	1.7	30
39	Potential of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF) Tj ETQq1 1 0.784314 rgBT /Ove (Copepoda: Diaptomidae) species. <i>Journal of Plankton Research</i> , 2012, 34, 484-492.	1.8	28
40	Dark aerobic sulfide oxidation by anoxygenic phototrophs in anoxic waters. <i>Environmental Microbiology</i> , 2019, 21, 1611-1626.	3.8	27
41	Typing of nitrogen-fixing <i>Frankia</i> strains by matrix-assisted laser desorption ionization-time-of-flight (MALDI-TOF) mass spectrometry. <i>Systematic and Applied Microbiology</i> , 2011, 34, 63-68.	2.8	26
42	Is Switzerland Suitable for the Invasion of <i>Aedes albopictus</i> ?. <i>PLoS ONE</i> , 2013, 8, e82090.	2.5	26
43	Molecular Epidemiology and Antibiotic Susceptibility of Livestock <i>Brucella melitensis</i> Isolates from Naryn Oblast, Kyrgyzstan. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2047.	3.0	25
44	Epidemiological relationships between <i>Aeromonas</i> strains isolated from symptomatic children and household environments as determined by ribotyping. <i>European Journal of Epidemiology</i> , 2000, 16, 447-453.	5.7	24
45	Fine scale analysis of shifts in bacterial community structure in the chemocline of meromictic Lake Cadagno, Switzerland. <i>Journal of Limnology</i> , 2009, 68, 16.	1.1	23
46	Dynamic cellular complexity of anoxygenic phototrophic sulfur bacteria in the chemocline of meromictic Lake Cadagno. <i>PLoS ONE</i> , 2017, 12, e0189510.	2.5	23
47	Evaluation of honey-baited FTA cards in combination with different mosquito traps in an area of low arbovirus prevalence. <i>Parasites and Vectors</i> , 2019, 12, 554.	2.5	23
48	Bacterial diversity in the water column of meromictic Lake Cadagno and evidence for seasonal dynamics. <i>PLoS ONE</i> , 2018, 13, e0209743.	2.5	22
49	Surveillance and Control of <i>Aedes albopictus</i> in the Swiss-Italian Border Region: Differences in Egg Densities between Intervention and Non-intervention Areas. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004315.	3.0	20
50	Lake Cadagno: Microbial Life in Crenogenic Meromixis. <i>Ecological Studies</i> , 2017, , 155-186.	1.2	17
51	Mixotrophic Growth Under Micro-Oxic Conditions in the Purple Sulfur Bacterium <i>Thiodictyon syntrophicum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 384.	3.5	16
52	Draft Genome Sequence of <i>Chromatium okenii</i> Isolated from the Stratified Alpine Lake Cadagno. <i>Scientific Reports</i> , 2019, 9, 1936.	3.3	16
53	Proteomic analysis of the purple sulfur bacterium <i>Candidatus Thiodictyon syntrophicum</i> strain Cad16T isolated from Lake Cadagno. <i>EuPA Open Proteomics</i> , 2014, 2, 17-30.	2.5	15
54	Analysis of morphological, ecological and molecular characters of <i>Russula pectinatoides</i> Peck and <i>Russula praetervisa</i> Sarnari, with a description of the new taxon <i>Russula recondita</i> Melera & Ostellari. <i>Mycological Progress</i> , 2017, 16, 117-134.	1.4	15

#	ARTICLE	IF	CITATIONS
55	Dynamics of <i>Bacillus thuringiensis</i> var. <i>israelensis</i> and <i>Lysinibacillus sphaericus</i> Spores in Urban Catch Basins after Simultaneous Application against Mosquito Larvae. <i>PLoS ONE</i> , 2013, 8, e55658.	2.5	15
56	Investigation of temperature conditions in Swiss urban and suburban microhabitats for the overwintering suitability of diapausing <i>Aedes albopictus</i> eggs. <i>Parasites and Vectors</i> , 2018, 11, 212.	2.5	14
57	Anoxygenic photo- and chemo-synthesis of phototrophic sulfur bacteria from an alpine meromictic lake. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	14
58	Multilocus genetic relationships between clinical and environmental <i>Aeromonas</i> strains. <i>FEMS Microbiology Letters</i> , 1991, 81, 193-200.	1.8	13
59	Comparison Between Diflubenzuron and a <i>Bacillus thuringiensis israelensis</i> and <i>Lysinibacillus sphaericus</i> -Based Formulation for the Control of Mosquito Larvae in Urban Catch Basins in Switzerland. <i>Journal of the American Mosquito Control Association</i> , 2013, 29, 138-145.	0.7	13
60	Complete genome sequence of <i>Thiodictyon syntrophicum</i> sp. nov. strain Cad16T, a photolithoautotrophic purple sulfur bacterium isolated from the alpine meromictic Lake Cadagno. <i>Standards in Genomic Sciences</i> , 2018, 13, 14.	1.5	12
61	Iron isotope transformations in the meromictic Lake Cadagno. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 255, 205-221.	3.9	12
62	Coupling a bio-accumulator organism and MALDI-TOF MS: an early warning detection system for microcystins in water bodies. <i>Journal of Applied Phycology</i> , 2017, 29, 2979-2988.	2.8	11
63	Polyphasic Taxonomic Study of <i>Aeromonas eucrenophila</i> -like Isolates from Clinical and Environmental Sources. <i>Systematic and Applied Microbiology</i> , 2004, 27, 343-349.	2.8	10
64	Bacterial, Phytoplankton, and Viral Distributions and Their Biogeochemical Contexts in Meromictic Lake Cadagno Offer Insights into the Proterozoic Ocean Microbial Loop. <i>MBio</i> , 2022, 13, .	4.1	8
65	Rapid characterization of aquatic hyphomycetes by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Mycologia</i> , 2019, 111, 177-189.	1.9	7
66	Seasonal changes of microbial populations in the sediments of the basins of Lugano and Agno. <i>Aquatic Sciences</i> , 1992, 54, 331-337.	1.5	6
67	Molecular identification of an uncultured bacterium (<i>Acetomorphotype R</i>) in meromictic Lake Cadagno, Switzerland. <i>FEMS Microbiology Ecology</i> , 2005, 53, 235-244.	2.7	6
68	Multilocus genetic relationships between clinical and environmental <i>Aeromonas</i> strains. <i>FEMS Microbiology Letters</i> , 1991, 81, 193-200.	1.8	6
69	Spatio-temporal distribution of phototrophic sulfur bacteria in the chemocline of meromictic Lake Cadagno (Switzerland). <i>FEMS Microbiology Ecology</i> , 2003, 43, 89-98.	2.7	5
70	Risk-Based Mapping Tools for Surveillance and Control of the Invasive Mosquito <i>Aedes albopictus</i> in Switzerland. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3220.	2.6	4
71	Microbial Depolymerization of Epoxy Resins: A Novel Approach to a Complex Challenge. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 466.	2.5	3
72	Emerging <i>Aedes</i> -borne infections in southern Switzerland: Preparedness planning for surveillance and intervention. <i>Travel Medicine and Infectious Disease</i> , 2020, 37, 101748.	3.0	2

#	ARTICLE	IF	CITATIONS
73	Complete Genome Sequence of a Rhabdovirus Strain from Culex Mosquitos Collected in Southern Switzerland. Microbiology Resource Announcements, 2021, 10, .	0.6	1
74	Geochemical and metagenomics study of a metal-rich, green-turquoise-coloured stream in the southern Swiss Alps. PLoS ONE, 2021, 16, e0248877.	2.5	0
75	Title is missing!., 2020, 14, e0008705.		0
76	Title is missing!., 2020, 14, e0008705.		0
77	Title is missing!., 2020, 14, e0008705.		0
78	Title is missing!., 2020, 14, e0008705.		0