Mauro Tonolla

List of Publications by Year in descending order

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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	Microbial Depolymerization of Epoxy Resins: A Novel Approach to a Complex Challenge. Applied Sciences (Switzerland), 2022, 12, 466.	2.5	3
2	Risk-Based Mapping Tools for Surveillance and Control of the Invasive Mosquito Aedes albopictus in Switzerland. International Journal of Environmental Research and Public Health, 2022, 19, 3220.	2.6	4
3	Bacterial, Phytoplankton, and Viral Distributions and Their Biogeochemical Contexts in Meromictic Lake Cadagno Offer Insights into the Proterozoic Ocean Microbial Loop. MBio, 2022, 13, .	4.1	8
4	Complete Genome Sequence of a Rhabdovirus Strain from Culex Mosquitos Collected in Southern Switzerland. Microbiology Resource Announcements, 2021, 10, .	0.6	1
5	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
6	Anoxygenic photo- and chemo-synthesis of phototrophic sulfur bacteria from an alpine meromictic lake. FEMS Microbiology Ecology, 2021, 97, .	2.7	14
7	Emerging Aedes-borne infections in southern Switzerland: Preparedness planning for surveillance and intervention. Travel Medicine and Infectious Disease, 2020, 37, 101748.	3.0	2
8	Viral Metagenomic Analysis of Aedes albopictus Mosquitos from Southern Switzerland. Viruses, 2020, 12, 929.	3.3	32
9	Surveillance of invasive AedesÂmosquitoes along Swiss traffic axes reveals different dispersal modes for Aedes albopictus and Ae. japonicus. PLoS Neglected Tropical Diseases, 2020, 14, e0008705.	3.0	33
10	Title is missing!. , 2020, 14, e0008705.		0
11	Title is missing!. , 2020, 14, e0008705.		0
12	Title is missing!. , 2020, 14, e0008705.		0
13	Title is missing!. , 2020, 14, e0008705.		0
14	Dark aerobic sulfide oxidation by anoxygenic phototrophs in anoxic waters. Environmental Microbiology, 2019, 21, 1611-1626.	3.8	27
15	Mixotrophic Growth Under Micro-Oxic Conditions in the Purple Sulfur Bacterium â€œThiodictyon syntrophicumâ€• Frontiers in Microbiology, 2019, 10, 384.	3.5	16
16	Iron isotope transformations in the meromictic Lake Cadagno. Geochimica Et Cosmochimica Acta, 2019, 255, 205-221.	3.9	12
17	Draft Genome Sequence of Chromatium okenii Isolated from the Stratified Alpine Lake Cadagno. Scientific Reports, 2019, 9, 1936.	3.3	16
18	Evaluation of honey-baited FTA cards in combination with different mosquito traps in an area of low arbovirus prevalence. Parasites and Vectors, 2019, 12, 554.	2.5	23

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19	Rapid characterization of aquatic hyphomycetes by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Mycologia, 2019, 111, 177-189.	1.9	7
20	Investigation of temperature conditions in Swiss urban and suburban microhabitats for the overwintering suitability of diapausing Aedes albopictus eggs. Parasites and Vectors, 2018, 11, 212.	2.5	14
21	Bacterial diversity in the water column of meromictic Lake Cadagno and evidence for seasonal dynamics. PLoS ONE, 2018, 13, e0209743.	2.5	22
22	Complete genome sequence of â€œThiodictyon syntrophicumâ€•sp. nov. strain Cad16T, a photolithoautotrophic purple sulfur bacterium isolated from the alpine meromictic Lake Cadagno. Standards in Genomic Sciences, 2018, 13, 14.	1.5	12
23	Lake Cadagno: Microbial Life in Crenogenic Meromixis. Ecological Studies, 2017, , 155-186.	1.2	17
24	Analysis of morphological, ecological and molecular characters of Russula pectinatoides Peck and Russula praetervisa Sarnari, with a description of the new taxon Russula recondita Melera & Ostellari. Mycological Progress, 2017, 16, 117-134.	1.4	15
25	Coupling a bio-accumulator organism and MALDI-TOF MS: an early warning detection system for microcystins in water bodies. Journal of Applied Phycology, 2017, 29, 2979-2988.	2.8	11
26	Dynamic cellular complexity of anoxygenic phototrophic sulfur bacteria in the chemocline of meromictic Lake Cadagno. PLoS ONE, 2017, 12, e0189510.	2.5	23
27	Spread and establishment of Aedes albopictus in southern Switzerland between 2003 and 2014: an analysis of oviposition data and weather conditions. Parasites and Vectors, 2016, 9, 304.	2.5	37
28	Surveillance and Control of Aedes albopictus in the Swiss-Italian Border Region: Differences in Egg Densities between Intervention and Non-intervention Areas. PLoS Neglected Tropical Diseases, 2016, 10, e0004315.	3.0	20
29	First report of the invasive mosquito species Aedes koreicus in the Swiss-Italian border region. Parasites and Vectors, 2015, 8, 402.	2.5	57
30	Strategies of a thirteen year surveillance programme on Aedes albopictus (Stegomyia albopicta) in southern Switzerland. Parasites and Vectors, 2015, 8, 208.	2.5	46
31	Ribosomal protein biomarkers provide root nodule bacterial identification by MALDI-TOF MS. Applied Microbiology and Biotechnology, 2015, 99, 5547-5562.	3.6	47
32	Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight (MALDI-TOF) Mass Spectrometry Using the Vitek MS System for Rapid and Accurate Identification of Dermatophytes on Solid Cultures. Journal of Clinical Microbiology, 2014, 52, 4286-4292.	3.9	55
33	Proteomic analysis of the purple sulfur bacterium Candidatus â€œThiodictyon syntrophicumâ€•strain Cad16T isolated from Lake Cadagno. EuPA Open Proteomics, 2014, 2, 17-30.	2.5	15
34	Comparison Between Diflubenzuron and aBacillus thuringiensis israelensisâ€“ andLysinibacillus sphaericusâ€“Based Formulation for the Control of Mosquito Larvae in Urban Catch Basins in Switzerland. Journal of the American Mosquito Control Association, 2013, 29, 138-145.	0.7	13
35	CO₂assimilation in the chemocline of Lake Cadagno is dominated by a few types of phototrophic purple sulfur bacteria. FEMS Microbiology Ecology, 2013, 84, 421-432.	2.7	75
36	Identification of dermatophytes by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Medical Mycology, 2013, 51, 514-521.	0.7	82

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37	Combining sedimentological, trace metal (Mn, Mo) and molecular evidence for reconstructing past water-column redox conditions: The example of meromictic Lake Cadagno (Swiss Alps). Geochimica Et Cosmochimica Acta, 2013, 120, 220-238.	3.9	70
38	Rapid identification of acetic acid bacteria using MALDI-TOF mass spectrometry fingerprinting. Systematic and Applied Microbiology, 2013, 36, 75-81.	2.8	42
39	Molecular Epidemiology and Antibiotic Susceptibility of Livestock Brucella melitensis Isolates from Naryn Oblast, Kyrgyzstan. PLoS Neglected Tropical Diseases, 2013, 7, e2047.	3.0	25
40	European Surveillance for West Nile Virus in Mosquito Populations. International Journal of Environmental Research and Public Health, 2013, 10, 4869-4895.	2.6	149
41	Dynamics of Bacillus thuringiensis var. israelensis and Lysinibacillus sphaericus Spores in Urban Catch Basins after Simultaneous Application against Mosquito Larvae. PLoS ONE, 2013, 8, e55658.	2.5	15
42	Is Switzerland Suitable for the Invasion of Aedes albopictus?. PLoS ONE, 2013, 8, e82090.	2.5	26
43	Potential of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF) Tj ETQq1 1 0.784314 rgBT /Ove (Copepoda: Diaptomidae) species. Journal of Plankton Research, 2012, 34, 484-492.	1.8	28
44	Characterization of fecal indicator bacteria in sediments cores from the largest freshwater lake of Western Europe (Lake Geneva, Switzerland). Ecotoxicology and Environmental Safety, 2012, 78, 50-56.	6.0	44
45	A Rapid MALDI-TOF MS Identification Database at Genospecies Level for Clinical and Environmental Aeromonas Strains. PLoS ONE, 2012, 7, e48441.	2.5	60
46	Discrimination of freshwater fish species by Matrix-Assisted Laser Desorption/Ionization- Time Of Flight Mass Spectrometry (MALDI-TOF MS): a pilot study. Journal of Limnology, 2012, 71, 17.	1.1	49
47	Candidatus â€œThiodictyon syntrophicumâ€ sp. nov., a new purple sulfur bacterium isolated from the chemocline of Lake Cadagno forming aggregates and specific associations with Desulfocapsa sp.. Systematic and Applied Microbiology, 2012, 35, 139-144.	2.8	36
48	In Situ Identification of Plant-Invasive Bacteria with MALDI-TOF Mass Spectrometry. PLoS ONE, 2012, 7, e37189.	2.5	41
49	Rapid species specific identification and subtyping of Yersinia enterocolitica by MALDI-TOF Mass spectrometry. Journal of Microbiological Methods, 2011, 87, 150-153.	1.6	97
50	Composition of bacterial and archaeal communities in freshwater sediments with different contamination levels (Lake Geneva, Switzerland). Water Research, 2011, 45, 1213-1228.	11.3	192
51	Comparative proteomics and activity of a green sulfur bacterium through the water column of Lake Cadagno, Switzerland. Environmental Microbiology, 2011, 13, 203-215.	3.8	38
52	Evidence for anaerobic oxidation of methane in sediments of â€ƒa freshwater system (Lago di Cadagno). FEMS Microbiology Ecology, 2011, 76, 26-38.	2.7	166
53	Identification of Staphylococcus intermedius Group by MALDI-TOF MS. Systematic and Applied Microbiology, 2011, 34, 45-51.	2.8	65
54	Rapid identification of Legionella spp. by MALDI-TOF MS based protein mass fingerprinting. Systematic and Applied Microbiology, 2011, 34, 40-44.	2.8	59

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55	Typing of nitrogen-fixing Frankia strains by matrix-assisted laser desorption ionization-time-of-flight (MALDI-TOF) mass spectrometry. Systematic and Applied Microbiology, 2011, 34, 63-68.	2.8	26
56	Thiocystis chemoclinalis sp. nov. and Thiocystis cadagnonensis sp. nov., motile purple sulfur bacteria isolated from the chemocline of a meromictic lake. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 1682-1687.	1.7	30
57	Distribution of Bacillus thuringiensis subsp. israelensis in Soil of a Swiss Wetland Reserve after 22 Years of Mosquito Control. Applied and Environmental Microbiology, 2011, 77, 3663-3668.	3.1	34
58	Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for the Identification of Clinically Relevant Bacteria. PLoS ONE, 2011, 6, e16424.	2.5	132
59	MALDI-TOF MS of Trichoderma: a model system for the identification of microfungi. Mycological Progress, 2010, 9, 79-100.	1.4	60
60	Application of Whole-Cell Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for Rapid Identification and Clustering Analysis ofPantoeaSpecies. Applied and Environmental Microbiology, 2010, 76, 4497-4509.	3.1	76
61	Fine scale analysis of shifts in bacterial community structure in the chemocline of meromictic Lake Cadagno, Switzerland. Journal of Limnology, 2009, 68, 16.	1.1	23
62	Dominance of a clonal green sulfur bacterial population in a stratified lake. FEMS Microbiology Ecology, 2009, 70, 30-41.	2.7	54
63	Aeromonas tecta sp. nov., isolated from clinical and environmental sources. Systematic and Applied Microbiology, 2008, 31, 278-286.	2.8	52
64	Molecular identification of an uncultured bacterium (Ã¢Â€Âœmorphotype RÃ¢Â€Â) in meromictic Lake Cadagno, Switzerland. FEMS Microbiology Ecology, 2005, 53, 235-244.	2.7	6
65	Long-Term Population Dynamics of Phototrophic Sulfur Bacteria in the Chemocline of Lake Cadagno, Switzerland. Applied and Environmental Microbiology, 2005, 71, 3544-3550.	3.1	59
66	Phototropic sulfur and sulfate-reducing bacteria in the chemocline of meromictic Lake Cadagno, Switzerland. Journal of Limnology, 2004, 63, 161.	1.1	43
67	Polyphasic Taxonomic Study of â€œAeromonas eucrenophila-likeâ€•Isolates from Clinical and Environmental Sources. Systematic and Applied Microbiology, 2004, 27, 343-349.	2.8	10
68	Isolation and characterization of aggregate-forming sulfate-reducing and purple sulfur bacteria from the chemocline of meromictic Lake Cadagno, Switzerland. FEMS Microbiology Ecology, 2003, 45, 29-37.	2.7	54
69	Spatio-temporal distribution of phototrophic sulfur bacteria in the chemocline of meromictic Lake Cadagno (Switzerland). FEMS Microbiology Ecology, 2003, 43, 89-98.	2.7	59
70	Spatio-temporal distribution of phototrophic sulfur bacteria in the chemocline of meromictic Lake Cadagno (Switzerland). FEMS Microbiology Ecology, 2003, 43, 89-98.	2.7	5
71	Fluorescence in situ hybridization of 16S rRNA gene clones (Clone-FISH) for probe validation and screening of clone libraries. Environmental Microbiology, 2002, 4, 713-720.	3.8	113
72	Epidemiological relationships between Aeromonas strains isolated from symptomatic children and household environments as determined by ribotyping. European Journal of Epidemiology, 2000, 16, 447-453.	5.7	24

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73	In Situ Analysis of Sulfate-Reducing Bacteria Related to Desulfocapsa thiozymogenes in the Chemocline of Meromictic Lake Cadagno (Switzerland). Applied and Environmental Microbiology, 2000, 66, 820-824.	3.1	59
74	In Situ Analysis of Phototrophic Sulfur Bacteria in the Chemocline of Meromictic Lake Cadagno (Switzerland). Applied and Environmental Microbiology, 1999, 65, 1325-1330.	3.1	69
75	PCR Detection, Characterization, and Distribution of Virulence Genes in Aeromonas spp. Applied and Environmental Microbiology, 1999, 65, 5293-5302.	3.1	165
76	Seasonal changes of microbial populations in the sediments of the basins of Lugano and Agno. Aquatic Sciences, 1992, 54, 331-337.	1.5	6
77	Multilocus genetic relationships between clinical and environmentalAeromonasstrains. FEMS Microbiology Letters, 1991, 81, 193-200.	1.8	13
78	Multilocus genetic relationships between clinical and environmental Aeromonas strains. FEMS Microbiology Letters, 1991, 81, 193-200.	1.8	6