

# Balázs Vajna

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,036  
citations

623734

14  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial–fungal interactions: ecology, mechanisms and challenges. <i>FEMS Microbiology Reviews</i> , 2018, 42, 335-352.	8.6	468
2	DGGE and T-RFLP Analysis of Bacterial Succession during Mushroom Compost Production and Sequence-aided T-RFLP Profile of Mature Compost. <i>Microbial Ecology</i> , 2009, 57, 522-533.	2.8	90
3	Remarkable impact of PAHs and TPHs on the richness and diversity of bacterial species in surface soils exposed to long-term hydrocarbon pollution. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1989-2002.	3.6	54
4	Texture and type of polymer fiber carrier determine bacterial colonization and biofilm properties in wastewater treatment. <i>Chemical Engineering Journal</i> , 2015, 264, 824-834.	12.7	42
5	Ferrate treatment for inactivation of bacterial community in municipal secondary effluent. <i>Bioresource Technology</i> , 2012, 107, 116-121.	9.6	41
6	One-year monitoring of meta-cleavage dioxygenase gene expression and microbial community dynamics reveals the relevance of subfamily I.2.C extradiol dioxygenases in hypoxic, BTEX-contaminated groundwater. <i>Systematic and Applied Microbiology</i> , 2013, 36, 339-350.	2.8	33
7	Diversity and seasonal dynamics of the photoautotrophic picoplankton in Lake Balaton (Hungary). <i>Aquatic Microbial Ecology</i> , 2011, 63, 273-287.	1.8	27
8	<i>Thermus composti</i> sp. nov., isolated from oyster mushroom compost. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1486-1490.	1.7	27
9	Microbial community structure changes during oyster mushroom substrate preparation. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 367-375.	3.6	26
10	An Improved Sequence-aided T-RFLP Analysis of Bacterial Succession During Oyster Mushroom Substrate Preparation. <i>Microbial Ecology</i> , 2012, 64, 702-713.	2.8	24
11	Above-ground parts of white grapevine <i>Vitis vinifera</i> cv. Furmint share core members of the fungal microbiome. <i>Environmental Microbiology Reports</i> , 2021, 13, 509-520.	2.4	23
12	Characterisation of the large-scale production process of oyster mushroom ( <i>Pleurotus ostreatus</i> ) with the analysis of succession and spatial heterogeneity of lignocellulolytic enzyme activities. <i>Fungal Biology</i> , 2015, 119, 1354-1363.	2.5	20
13	Differences in planktonic microbial communities associated with three types of macrophyte stands in a shallow lake. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	16
14	Effect of Long-Term Cropping Systems on the Diversity of the Soil Bacterial Communities. <i>Agronomy</i> , 2019, 9, 878.	3.0	16
15	Whole genome sequence analysis of <i>Cupriavidus campinensis</i> S14E4C, a heavy metal resistant bacterium. <i>Molecular Biology Reports</i> , 2020, 47, 3973-3985.	2.3	16
16	Phenotypic characterization and molecular taxonomic studies on <i>Bacillus</i> and related isolates from <i>Phragmites australis</i> periphyton. <i>Aquatic Botany</i> , 2007, 86, 243-252.	1.6	15
17	Diversity and activity of cultivable aerobic planktonic bacteria of a saline Lake located in Sovata, Romania. <i>Folia Microbiologica</i> , 2010, 55, 461-466.	2.3	15
18	Monitoring of soil microbial inoculants and their impact on maize ( <i>Zea mays</i> L.) rhizosphere using T-RFLP molecular fingerprint method. <i>Applied Soil Ecology</i> , 2019, 138, 233-244.	4.3	15

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19	Increased incidence of genetic human prion disease in Hungary. <i>Neurology</i> , 2005, 65, 1666-1669.	1.1	12
20	Grazing pressure-induced shift in planktonic bacterial communities with the dominance of acIII-A1 actinobacterial lineage in soda pans. <i>Scientific Reports</i> , 2020, 10, 19871.	3.3	12
21	Evaluating the combined effect of biochar and PGPR inoculants on the bacterial community in acidic sandy soil. <i>Applied Soil Ecology</i> , 2021, 160, 103856.	4.3	12
22	Critical point analysis and biocide treatment in a microbiologically contaminated water purification system of a power plant. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	9
23	<i>Fertoeibacter niger</i> gen. nov., sp. nov. a novel alkaliphilic bacterium of the family Rhodobacteraceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, .	1.7	8
24	Succession and potential role of bacterial communities during <i>Pleurotus ostreatus</i> production. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	6
25	Genetic Variability of gag and env Regions of HIV Type 1 Strains Circulating in Slovenia. <i>AIDS Research and Human Retroviruses</i> , 2006, 22, 109-113.	1.1	5
26	Relationships Between Chemical Defenses of Common Toad ( <i>Bufo bufo</i> ) Tadpoles and Bacterial Community Structure of their Natural Aquatic Habitat. <i>Journal of Chemical Ecology</i> , 2020, 46, 534-543.	1.8	3
27	Distribution of bacterial single cell parameters and their estimation from turbidity detection times. <i>Food Microbiology</i> , 2022, 104, 103972.	4.2	0