

András Tócsics

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

934
citations

430874

18
h-index

501196

28
g-index

46
all docs

46
docs citations

46
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity, activity, antibiotic and heavy metal resistance of bacteria from petroleum hydrocarbon contaminated soils located in Harghita County (Romania). <i>International Biodeterioration and Biodegradation</i> , 2012, 73, 41-49.	3.9	89
2	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
3	Investigation of catechol 2,3-dioxygenase and 16S rRNA gene diversity in hypoxic, petroleum hydrocarbon contaminated groundwater. <i>Systematic and Applied Microbiology</i> , 2010, 33, 398-406.	2.8	51
4	Unexpected Diversity and High Abundance of Putative Nitric Oxide Dismutase (Nod) Genes in Contaminated Aquifers and Wastewater Treatment Systems. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	51
5	Quantification of Subfamily I.2.C Catechol 2,3-Dioxygenase mRNA Transcripts in Groundwater Samples of an Oxygen-Limited BTEX-Contaminated Site. <i>Environmental Science & Technology</i> , 2012, 46, 232-240.	10.0	40
6	Zoogloea oleivorans sp. nov., a floc-forming, petroleum hydrocarbon-degrading bacterium isolated from biofilm. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 274-279.	1.7	38
7	Bacterial community changes in TCE biodegradation detected in microcosm experiments. <i>International Biodeterioration and Biodegradation</i> , 2006, 58, 239-247.	3.9	33
8	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
9	Microaerobic conditions caused the overwhelming dominance of <i>Acinetobacter</i> spp. and the marginalization of <i>Rhodococcus</i> spp. in diesel fuel/crude oil mixture-amended enrichment cultures. <i>Archives of Microbiology</i> , 2020, 202, 329-342.	2.2	33
10	The detection and phylogenetic analysis of the alkane 1-monoxygenase gene of members of the genus <i>Rhodococcus</i> . <i>Systematic and Applied Microbiology</i> , 2015, 38, 1-7.	2.8	32
11	Polyphasic analysis of an <i>Azoarcus</i> - <i>Leptothrix</i> -dominated bacterial biofilm developed on stainless steel surface in a gasoline-contaminated hypoxic groundwater. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9019-9035.	5.3	30
12	Effect of oxygen limitation on the enrichment of bacteria degrading either benzene or toluene and the identification of <i>Malikia spinosa</i> (Comamonadaceae) as prominent aerobic benzene-, toluene-, and ethylbenzene-degrading bacterium: enrichment, isolation and whole-genome analysis. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31130-31142.	5.3	27
13	Aflatoxin B1 and Zearalenone-Detoxifying Profile of <i>Rhodococcus</i> Type Strains. <i>Current Microbiology</i> , 2018, 75, 907-917.	2.2	25
14	Aerobic and oxygen-limited enrichment of BTEX-degrading biofilm bacteria: dominance of <i>Malikia</i> versus <i>Acidovorax</i> species. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32178-32195.	5.3	25
15	Stable isotope probing of hypoxic toluene degradation at the Sıkl ³ s aquifer reveals prominent role of Rhodocyclaceae. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	24
16	Saccharibacteria as Organic Carbon Sinks in Hydrocarbon-Fueled Communities. <i>Frontiers in Microbiology</i> , 2020, 11, 587782.	3.5	22
17	Transcriptome-Stable Isotope Probing Provides Targeted Functional and Taxonomic Insights Into Microaerobic Pollutant-Degrading Aquifer Microbiota. <i>Frontiers in Microbiology</i> , 2018, 9, 2696.	3.5	20
18	The single-nucleotide primer extension (SNUPE) method for the multiplex detection of various DNA sequences: from detection of point mutations to microbial ecology. <i>Biochemical Society Transactions</i> , 2009, 37, 454-459.	3.4	19

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19	<i>Sphingobium aquiterrae</i> sp. nov., a toluene, meta- and para-xylene-degrading bacterium isolated from petroleum hydrocarbon-contaminated groundwater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2807-2812.	1.7	19
20	<i>De Novo</i> Genome Project of <i>Cupriavidus basilensis</i> OR16. <i>Journal of Bacteriology</i> , 2012, 194, 2109-2110.	2.2	18
21	Enrichment of dissimilatory Fe(III)-reducing bacteria from groundwater of the Sikl ³ s BTEX-contaminated site (Hungary). <i>Folia Microbiologica</i> , 2017, 62, 63-71.	2.3	18
22	<i>Rhodococcus sovatus</i> sp. nov., an actinomycete isolated from the hypersaline and heliothermal Lake Ursu. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 190-196.	1.7	18
23	De Novo Genome Project for the Aromatic Degradator <i>Rhodococcus pyridinivorans</i> Strain AK37. <i>Journal of Bacteriology</i> , 2012, 194, 1247-1248.	2.2	16
24	Genome analysis provides insights into microaerobic toluene-degradation pathway of <i>Zoogloea oleivorans</i> BucT. <i>Archives of Microbiology</i> , 2020, 202, 421-426.	2.2	16
25	<i>Siphonobacter aquaeclarae</i> gen. nov., sp. nov., a novel member of the family <i>Flexibacteraceae</i> TM , phylum Bacteroidetes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2567-2571.	1.7	16
26	Potential of <i>Variovorax paradoxus</i> isolate BFB1_13 for bioremediation of BTEX contaminated sites. <i>AMB Express</i> , 2021, 11, 126.	3.0	15
27	Evaluation of Single-Nucleotide Primer Extension for Detection and Typing of Phylogenetic Markers Used for Investigation of Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2850-2860.	3.1	13
28	Availability of Nitrite and Nitrate as Electron Acceptors Modulates Anaerobic Toluene-Degrading Communities in Aquifer Sediments. <i>Frontiers in Microbiology</i> , 2020, 11, 1867.	3.5	13
29	Aerobic and oxygen-limited naphthalene-amended enrichments induced the dominance of <i>Pseudomonas</i> spp. from a groundwater bacterial biofilm. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6023-6043.	3.6	13
30	Cloning, Expression and Biochemical Characterization of Endomannanases from Thermobifida Species Isolated from Different Niches. <i>PLoS ONE</i> , 2016, 11, e0155769.	2.5	13
31	Evaluating the aerobic xylene-degrading potential of the intrinsic microbial community of a legacy BTEX-contaminated aquifer by enrichment culturing coupled with multi-omics analysis: uncovering the role of <i>Hydrogenophaga</i> strains in xylene degradation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 28431-28445.	5.3	12
32	<i>Hydrogenophaga aromaticivorans</i> sp. nov., isolated from a para-xylene-degrading enrichment culture, capable of degrading benzene, meta- and para-xylene. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, .	1.7	11
33	<i>Nocardioides carbamazepini</i> sp. nov., an ibuprofen degrader isolated from a biofilm bacterial community enriched on carbamazepine. <i>Systematic and Applied Microbiology</i> , 2022, 45, 126339.	2.8	10
34	<i>Pinisolibacter aquiterrae</i> sp. nov., a novel aromatic hydrocarbon-degrading bacterium isolated from benzene-, and xylene-degrading enrichment cultures, and emended description of the genus <i>Pinisolibacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2022, 72, .	1.7	9
35	Analysis of biofilm bacterial communities responsible for carbon removal through a reactor cascade treating wastewater. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 977-987.	3.6	8
36	<i>Sphingobacterium pedocola</i> sp. nov. a novel halotolerant bacterium isolated from agricultural soil. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 1575-1584.	1.7	7

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37	Planktonic and Benthic Bacterial Communities of the Largest Central European Shallow Lake, Lake Balaton and Its Main Inflow Zala River. <i>Current Microbiology</i> , 2020, 77, 4016-4028.	2.2	6
38	<i>Cellvibrio polysaccharolyticus</i> sp. nov., a cellulolytic bacterium isolated from agricultural soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	6
39	Development of a bacterial consortium from <i>Variovorax paradoxus</i> and <i>Pseudomonas veronii</i> isolates applicable in the removal of BTEX. <i>AMB Express</i> , 2022, 12, 4.	3.0	6
40	<i>Flavobacterium hungaricum</i> sp. nov. a novel soil inhabitant, cellulolytic bacterium isolated from plough field. <i>Archives of Microbiology</i> , 2022, 204, 301.	2.2	6
41	Microaerobic enrichment of benzene-degrading bacteria and description of <i>Ideonella benzenivorans</i> sp. nov., capable of degrading benzene, toluene and ethylbenzene under microaerobic conditions. <i>Antonie Van Leeuwenhoek</i> , 2022, 115, 1113-1128.	1.7	6
42	<i>Sphingobacterium hungaricum</i> sp. nov. a novel species on the borderline of the genus <i>Sphingobacterium</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	5
43	The role of Beta-Proteobacteria in aromatic hydrocarbon degradation: fingerprinting of 16S rRNA gene and catechol 2,3-dioxygenase gene by T-RFLP in BTEX degradative bacterial communities. , 2009, , .		3
44	Editorial: New Insights Into the Biodegradation of Organic Contaminants in Subsurface Ecosystems: Approaches and Achievements of the Multiomics Era. <i>Frontiers in Microbiology</i> , 2021, 12, 650615.	3.5	2
45	Talajmikrobiológiai paraméterek változása szántók és rőtköntésként használt szőlőcserjék talajokban. <i>Agrokémia Es Talajtan</i> , 2019, 68, 155-175.	0.2	2
46	The Ecology of Microbial Contaminant Degradation in Groundwater. , 2022, , 428-436.		1