

Differential mobility spectrometry classification of bacteria. / Hokkinen, Lauri; Kesti, Artturi; Lepomäki, Jaakko; Anttalainen, Osmo; Kontunen, Anton; Karjalainen, Markus; Aittoniemi, Janne; Vuento, Risto; Lehtimäki, Terho; Oksala, Niku; Roine, Antti.

In: FUTURE MICROBIOLOGY, Vol. 15, No. 4, 01.03.2020, p. 233-240.

Research output: Contribution to journal › Article › Scientific › peer-review

Formation and use of biogenic jarosite carrier for high-rate iron oxidising biofilms. / Ahoranta, Sarita; Hulkkonen, Hanna; Salminen, Turkkua; Kuula, Pirjo; Puhakka, Jaakko A.; Lakaniemi, Aino Maija.

In: Research in Microbiology, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Spatial variations in bacterial and archaeal abundance and community composition in boreal forest pine mycorrhizospheres. / Rinta-Kanto, Johanna M.; Timonen, Sari.

In: EUROPEAN JOURNAL OF SOIL BIOLOGY, Vol. 97, 103168, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Estimating RNA numbers in single cells by RNA fluorescent tagging and flow cytometry. / Bahrudeen, Mohamed N.M.; Chauhan, Vatsala; Palma, Cristina S.D.; Oliveira, Samuel M.D.; Kandavalli, Vinodh K.; Ribeiro, Andre S.

In: Journal of Microbiological Methods, Vol. 166, 105745, 22.10.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Similar temperature sensitivity of soil mineral-associated organic carbon regardless of age. / Karhu, Kristiina; Hilasvuori, Emmi; Järvenpää, Marko; Arppe, Laura; Christensen, Bent T.; Fritze, Hannu; Kulmala, Liisa; Oinonen, Markku; Pitkänen, Juha Matti; Vanhala, Pekka; Heinonsalo, Jussi; Liski, Jari.

In: Soil Biology and Biochemistry, Vol. 136, 107527, 01.09.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Vertical stratification of bacteria and archaea in sediments of a small boreal humic lake. / Rissanen, Antti J.; Peura, Sari; Mpamah, Promise A.; Taipale, Sami; Tiirola, Marja; Biasi, Christina; Mäki, Anita; Nykänen, Hannu.

In: FEMS Microbiology Letters, Vol. 366, No. 5, 01.03.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Archaea are prominent members of the prokaryotic communities colonizing common forest mushrooms. / Rinta-Kanto, J. M.; Pehkonen, K.; Sinkko, H.; Tamminen, M. V.; Timonen, S.

In: Canadian Journal of Microbiology, Vol. 64, No. 10, 2018, p. 716-726.

Research output: Contribution to journal › Article › Scientific › peer-review

Crawling-induced floor dust resuspension affects the microbiota of the infant breathing zone. / Hyytiäinen, Heidi K.; Jayaprakash, Balamuralikrishna; Kirjavainen, Pirkka V.; Saari, Sampo E.; Holopainen, Rauno; Keskinen, Jorma; Hämeri, Kaarle; Hyvärinen, Anne; Boor, Brandon E.; Täubel, Martin.

In: Microbiome, Vol. 6, No. 1, 25, 2018.

Research output: Contribution to journal › Article › Scientific › peer-review

Microbiological, chemical and sensory spoilage analysis of raw Atlantic cod (*Gadus morhua*) stored under modified atmospheres. / Kuuliala, L.; Al Hage, Y.; Ioannidis, A. G.; Sader, M.; Kerckhof, F. M.; Vanderroost, M.; Boon, N.; De Baets, B.; De Meulenaer, B.; Ragaert, P.; Devlieghere, F.

In: Food Microbiology, Vol. 70, 2018, p. 232-244.

Research output: Contribution to journal › Article › Scientific › peer-review

Resistant ammonia-oxidizing archaea endure, but adapting ammonia-oxidizing bacteria thrive in boreal lake sediments receiving nutrient-rich effluents. / Aalto, Sanni L.; Saarenheimo, Jatta; Mikkonen, Anu; Rissanen, Antti J.; Tiirola, Marja.

In: Environmental Microbiology, Vol. 20, No. 10, 2018, p. 3616-3628.

Research output: Contribution to journal › Article › Scientific › peer-review

Twin-layer biosensor for real-time monitoring of alkane metabolism. / Lehtinen, Tapio; Santala, Ville; Santala, Suvi.

In: FEMS Microbiology Letters, Vol. 364, No. 6, fnx053, 01.03.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

Echovirus 1 internalization negatively regulates epidermal growth factor receptor downregulation. / Huttunen, Moona; Turkki, Paula; Mäki, Anita; Paavolainen, Lassi; Ruusuvuori, Pekka; Marjomäki, Varpu.
In: Cellular Microbiology, Vol. 19, No. 3, e12671, 2017.

Research output: Contribution to journal > Article > Scientific > peer-review

Bioluminescence-based system for rapid detection of natural transformation. / Santala, Ville; Karp, Matti; Santala, Suvi.
In: FEMS Microbiology Letters, Vol. 363, No. 13, fnw125, 01.07.2016.

Research output: Contribution to journal > Article > Scientific > peer-review

Robustness of the process of nucleoid exclusion of protein aggregates in Escherichia coli. / Neeli-Venkata, Ramakanth; Martikainen, Antti; Gupta, Abhishek; Goncalves, Nadia; Fonseca, Jose; Ribeiro, Andre S.
In: Journal of Bacteriology, Vol. 198, No. 6, 2016, p. 898-906.

Research output: Contribution to journal > Article > Scientific > peer-review

Changes in global gene expression of Vibrio parahaemolyticus induced by cold- and heat-stress. / Urmersbach, Sara; Aho, Tommi; Alter, Thomas; Hassan, Syeda Sakira; Autio, Reija; Huehn, Stephan.
In: BMC Microbiology, Vol. 15, No. 1, 229, 23.10.2015.

Research output: Contribution to journal > Article > Scientific > peer-review

Bioluminescent whole-cell reporter gene assays as screening tools in the identification of antimicrobial natural product extracts. / Nybond, Susanna; Karp, Matti; Yrjönen, Teijo; Tammela, Päivi.
In: Journal of Microbiological Methods, Vol. 114, 01.07.2015, p. 54-56.

Research output: Contribution to journal > Article > Scientific > peer-review

Method with high-throughput screening potential for antioxidative substances using Escherichia coli biosensor katG::lux. / Tienaho, Jenni; Sarjala, Tytti; Franzén, Robert; Karp, Matti.

In: Journal of Microbiological Methods, Vol. 118, 4723, 2015, p. 78-80.

Research output: Contribution to journal > Article > Scientific > peer-review

Positive association between biotin and the abundance of root-feeding nematodes. / Sinkkonen, Aki; Laitinen, Olli H.; Leppiniemi, Jenni; Vauramo, Saara; Hytönen, Vesa P.; Setälä, Heikki.
In: Soil Biology and Biochemistry, Vol. 73, 2014, p. 93-95.

Research output: Contribution to journal > Article > Scientific > peer-review

The haloarchaeal MCM proteins : Bioinformatic analysis and targeted mutagenesis of the $\beta 7$ - $\beta 8$ and $\beta 9$ - $\beta 10$ hairpin loops and conserved zinc binding domain cysteines. / Kristensen, Tatjana P.; Cherian, Reeja Maria; Gray, Fiona C.; MacNeill, Stuart A.

In: Frontiers in Microbiology, Vol. 5, No. MAR, 123, 2014.

Research output: Contribution to journal > Article > Scientific > peer-review

Development of microbial populations in the anaerobic hydrolysis of grass silage for methane production. / Wang, Hong; Vuorela, Mikko; Keränen, Anna Leena; Lehtinen, Tuija M.; Lensu, Anssi; Lehtomäki, Annimari; Rintala, Jukka.
In: FEMS Microbiology Ecology, Vol. 72, No. 3, 06.2010, p. 496-506.

Research output: Contribution to journal > Article > Scientific > peer-review

Enumeration of methanotrophic bacteria in the cover soil of an aged municipal landfill. / Kallistova, A. Yu; Kevbrina, M. V.; Nekrasova, V. K.; Shnyrev, N. A.; Einola, J. K M; Kulomaa, M. S.; Rintala, J. A.; Nozhevnikova, A. N.
In: Microbial Ecology, Vol. 54, No. 4, 11.2007, p. 637-645.

Research output: Contribution to journal > Article > Scientific > peer-review

Thermophilic anaerobic treatment of industrial process waters and wastewaters. / Rintala, J. A.
In: Microbiology, Vol. 66, No. 5, 1997, p. 583-587.

Research output: Contribution to journal > Article > Scientific > peer-review

A two-stage thermophilic anaerobic process for the treatment of source sorted household solid waste. / Rintala, Jukka A.; Ahring, Birgitte K.

In: *Biotechnology Letters*, Vol. 16, No. 10, 10.1994, p. 1097-1102.

Research output: Contribution to journal › Article › Scientific › peer-review

Thermophilic anaerobic digestion of source-sorted household solid waste : the effects of enzyme additions. / Rintala, Jukka A.; Ahring, Birgitte K.

In: *Applied Microbiology and Biotechnology*, Vol. 40, No. 6, 02.1994, p. 916-919.

Research output: Contribution to journal › Article › Scientific › peer-review