

Pavel Cejnar

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

217
citations

1040056

9
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Recognition of motion patterns using accelerometers for ataxic gait assessment. <i>Neural Computing and Applications</i> , 2021, 33, 2207-2215.	5.6	18
2	Analysis of protein additives degradation in aged mortars using mass spectrometry and principal component analysis. <i>Construction and Building Materials</i> , 2021, 288, 123124.	7.2	8
3	Classification of Ataxic Gait. <i>Sensors</i> , 2021, 21, 5576.	3.8	2
4	Inâ€bone protein digestion followed by LCâ€MS/MS peptide analysis as a new way towards the routine proteomic characterization of human maxillary and mandibular bone tissue in oral surgery. <i>Electrophoresis</i> , 2021, 42, 2552-2562.	2.4	9
5	Comparison of proteomic approaches used for the detection of potential biomarkers of Alzheimer's disease in blood plasma. <i>Journal of Separation Science</i> , 2021, 44, 4132-4140.	2.5	3
6	Characterization of an isolate of Lettuce big-vein associated virus (LBVaV) detected in naturally infected tomato (<i>Solanum lycopersicum</i> L.) in Slovakia. <i>Plant Protection Science</i> , 2021, 57, 344-348.	1.4	0
7	Deep Learning for Accelerometric Data Assessment and Ataxic Gait Monitoring. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 360-367.	4.9	24
8	Machine Learning in Classification of the Wax Structure of Breathing Openings on Leaves Affected by Air Pollution. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 199-206.	0.6	0
9	Efficient Confirmation of Plant Viral Proteins and Identification of Specific Viral Strains by nanoLC-ESI-Q-TOF Using Single-Leaf-Tissue Samples. <i>Pathogens</i> , 2020, 9, 966.	2.8	2
10	Capillary electrophoretic profiling of inâ€bone tryptic digests of proteins as a potential tool for the detection of inflammatory states in oral surgery. <i>Journal of Separation Science</i> , 2020, 43, 3949-3959.	2.5	12
11	Simple capacitor-switch model of excitatory and inhibitory neuron with all parts biologically explained allows input fire pattern dependent chaotic oscillations. <i>Scientific Reports</i> , 2020, 10, 7353.	3.3	5
12	Recombinant expression of osmotin in barley improves stress resistance and food safety during adverse growing conditions. <i>PLoS ONE</i> , 2019, 14, e0212718.	2.5	9
13	Wheat dwarf virus infectious clones allow to infect wheat and <i>Triticum monococcum</i> plants. <i>Plant Protection Science</i> , 2019, 55, 81-89.	1.4	3
14	Characterization of proteins in cultural heritage using MALDIâ€TOF and LCâ€MS/MS mass spectrometric techniques. <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	8
15	The Complex Behaviour of a Simple Neural Oscillator Model in the Human Cortex. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 337-347.	4.9	3
16	Identification of freshwater zooplankton species using protein profiling and principal component analysis. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 199-204.	2.0	11
17	Principal component analysis of normalized full spectrum mass spectrometry data in multiMSâ€toolbox: An effective tool to identify important factors for classification of different metabolic patterns and bacterial strains. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 871-881.	1.5	19
18	Data on low-molecular weight proteins of <i>Escherichia coli</i> treated by essential oils components, tetracycline, chlorine and peroxide by MALDI-TOF MS. <i>Data in Brief</i> , 2018, 21, 962-965.	1.0	2

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19	Two mutations in the truncated Rep gene RBR domain delayed the Wheat dwarf virus infection in transgenic barley plants. <i>Journal of Integrative Agriculture</i> , 2018, 17, 2492-2500.	3.5	5
20	Stress response of <i>Escherichia coli</i> to essential oil components – insights on low-molecular-weight proteins from MALDI-TOF. <i>Scientific Reports</i> , 2018, 8, 13042.	3.3	11
21	Multi-Class Sleep Stage Analysis and Adaptive Pattern Recognition. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 697.	2.5	28
22	Multimodal breathing analysis in the evaluation of physical load. , 2017, , .		0
23	Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1270-1278.	1.6	22
24	Feature extraction using MS Kinect and data fusion in analysis of sleep disorders. , 2015, , .		13
25	Automated Search for Heuristic Functions. <i>Lecture Notes in Computer Science</i> , 2005, , 843-843.	1.3	0