

Pavel Cejnar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3530145/publications.pdf>

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	Multi-Class Sleep Stage Analysis and Adaptive Pattern Recognition. Applied Sciences (Switzerland), 2018, 8, 697.	2.5	28
2	Deep Learning for Accelerometric Data Assessment and Ataxic Gait Monitoring. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 360-367.	4.9	24
3	Evaluation of mass spectrometric data using principal component analysis for determination of the effects of organic lakes on protein binder identification. Journal of Mass Spectrometry, 2015, 50, 1270-1278.	1.6	22
4	Principal component analysis of normalized full spectrum mass spectrometry data in multi-omics toolbox: An effective tool to identify important factors for classification of different metabolic patterns and bacterial strains. Rapid Communications in Mass Spectrometry, 2018, 32, 871-881.	1.5	19
5	Recognition of motion patterns using accelerometers for ataxic gait assessment. Neural Computing and Applications, 2021, 33, 2207-2215.	5.6	18
6	Feature extraction using MS Kinect and data fusion in analysis of sleep disorders. , 2015, , .		13
7	Capillary electrophoretic profiling of in-bone tryptic digests of proteins as a potential tool for the detection of inflammatory states in oral surgery. Journal of Separation Science, 2020, 43, 3949-3959.	2.5	12
8	Identification of freshwater zooplankton species using protein profiling and principal component analysis. Limnology and Oceanography: Methods, 2018, 16, 199-204.	2.0	11
9	Stress response of Escherichia coli to essential oil components – insights on low-molecular-weight proteins from MALDI-TOF. Scientific Reports, 2018, 8, 13042.	3.3	11
10	Recombinant expression of osmotin in barley improves stress resistance and food safety during adverse growing conditions. PLoS ONE, 2019, 14, e0212718.	2.5	9
11	In-bone protein digestion followed by LC-MS/MS peptide analysis as a new way towards the routine proteomic characterization of human maxillary and mandibular bone tissue in oral surgery. Electrophoresis, 2021, 42, 2552-2562.	2.4	9
12	Characterization of proteins in cultural heritage using MALDI-TOF and LC-MS/MS mass spectrometric techniques. Physical Sciences Reviews, 2019, 4, .	0.8	8
13	Analysis of protein additives degradation in aged mortars using mass spectrometry and principal component analysis. Construction and Building Materials, 2021, 288, 123124.	7.2	8
14	Two mutations in the truncated Rep gene RBR domain delayed the Wheat dwarf virus infection in transgenic barley plants. Journal of Integrative Agriculture, 2018, 17, 2492-2500.	3.5	5
15	Simple capacitor-switch model of excitatory and inhibitory neuron with all parts biologically explained allows input fire pattern dependent chaotic oscillations. Scientific Reports, 2020, 10, 7353.	3.3	5
16	Wheat dwarf virus infectious clones allow to infect wheat and Triticum monococcum plants. Plant Protection Science, 2019, 55, 81-89.	1.4	3
17	The Complex Behaviour of a Simple Neural Oscillator Model in the Human Cortex. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 337-347.	4.9	3
18	Comparison of proteomic approaches used for the detection of potential biomarkers of Alzheimer's disease in blood plasma. Journal of Separation Science, 2021, 44, 4132-4140.	2.5	3

#	ARTICLE	IF	CITATIONS
19	Data on low-molecular weight proteins of Escherichia coli treated by essential oils components, tetracycline, chlorine and peroxide by MALDI-TOF MS. Data in Brief, 2018, 21, 962-965.	1.0	2
20	Efficient Confirmation of Plant Viral Proteins and Identification of Specific Viral Strains by nanoLC-ESI-Q-TOF Using Single-Leaf-Tissue Samples. Pathogens, 2020, 9, 966.	2.8	2
21	Classification of Ataxic Gait. Sensors, 2021, 21, 5576.	3.8	2
22	Multimodal breathing analysis in the evaluation of physical load. , 2017, , .		0
23	Characterization of an isolate of Lettuce big-vein associated virus (LBVaV) detected in naturally infected tomato (Solanum lycopersicum L.) in Slovakia. Plant Protection Science, 2021, 57, 344-348.	1.4	0
24	Automated Search for Heuristic Functions. Lecture Notes in Computer Science, 2005, , 843-843.	1.3	0
25	Machine Learning in Classification of the Wax Structure of Breathing Openings on Leaves Affected by Air Pollution. Advances in Intelligent Systems and Computing, 2021, , 199-206.	0.6	0