Panayiotis M Vlamos

List of Publications by Year
in descending order

109	696	759233 12	677142 22
papers	citations	h-index	g-index

118	118	118	880
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diagnosing asthma and chronic obstructive pulmonary disease with machine learning. Health Informatics Journal, 2019, 25, 811-827.	2.1	70
2	Using Facebook out of habit. Behaviour and Information Technology, 2013, 32, 594-602.	4.0	66
3	Educational webcasts' acceptance: Empirical examination and the role of experience. British Journal of Educational Technology, 2013, 44, 125-143.	6.3	47
4	An interpretation of the behavior of EoS/GE models for asymmetric systems. Chemical Engineering Science, 2000, 55, 2351-2358.	3.8	32
5	Digital biomarkerâ€based individualized prognosis for people at risk of dementia. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12073.	2.4	28
6	General Form of the Cross-Energy Parameter of Equations of State. Industrial & Engineering Chemistry Research, 2000, 39, 3076-3082.	3.7	25
7	Diseaseâ€biased and shared characteristics of the immunoglobulin gene repertoires in marginal zone B cell lymphoproliferations. Journal of Pathology, 2019, 247, 416-421.	4.5	25
8	Assessment of Activity Coefficient Models for Predicting Solidâ"Liquid Equilibria of Asymmetric Binary Alkane Systems. Industrial & Engineering Chemistry Research, 1999, 38, 316-323.	3.7	20
9	Transcriptomics in amyotrophic lateral sclerosis. Frontiers in Bioscience - Elite, 2018, 10, 103-121.	1.8	19
10	A nonlocal problem modelling ohmic heating with variable thermal conductivity. Nonlinear Analysis: Real World Applications, 2001, 2, 443-454.	1.7	17
11	Using webcasts in education: Evaluation of its effectiveness. British Journal of Educational Technology, 2013, 44, 432-441.	6.3	17
12	Notch Signaling and Ageing. Advances in Experimental Medicine and Biology, 2015, 822, 25-36.	1.6	16
13	Molecular Chaperones in Neurodegenerative Diseases: A Short Review. Advances in Experimental Medicine and Biology, 2017, 987, 219-231.	1.6	15
14	Square AR: Using Augmented Reality for Urban Planning. , 2011, , .		14
15	Web conferencing-based tutorials: student perceptions thereof and the effect on academic performance in accounting education. Accounting Education, 2018, 27, 531-546.	3.8	14
16	Application of the sCPA equation of state for polymer solutions. Computational and Theoretical Polymer Science, 2000, 10, 501-506.	1.1	12
17	Modeling the mitochondrial dysfunction in neurogenerative diseases due to high H+ concentration. Bioinformation, 2011, 6, 173-175.	0.5	12
18	A Sensor-Based Perspective in Early-Stage Parkinsonâ€™s Disease: Current State and the Need for Machine Learning Processes. Sensors, 2022, 22, 409.	3.8	12

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19	SOME INTERESTING SPECIAL CASES OF A NON-LOCAL PROBLEM MODELLING OHMIC HEATING WITH VARIABLE THERMAL CONDUCTIVITY. Proceedings of the Edinburgh Mathematical Society, 2001, 44, 585-595.	0.3	10
20	IoT Applications with 5G Connectivity in Medical Tourism Sector Management: Third-Party Service Scenarios. Advances in Experimental Medicine and Biology, 2017, 989, 141-154.	1.6	10
21	Theq-numerical range of matrix polynomials. Linear and Multilinear Algebra, 2000, 47, 1-9.	1.0	9
22	Automated shape-based clustering of 3D immunoglobulin protein structures in chronic lymphocytic leukemia. BMC Bioinformatics, 2018, 19, 414.	2.6	9
23	Undergraduate studentsâ€™ experiences with educational podcasts to learn about inclusive and integrated physical education. European Physical Education Review, 2021, 27, 185-202.	2.0	9
24	A Cultural Algorithm for the Representation of Mitochondrial Population. Advances in Artificial Intelligence, 2012, 2012, 1-7.	0.9	8
25	Improving the Utility of Polygenic Risk Scores as a Biomarker for Alzheimerâ€™s Disease. Cells, 2021, 10, 1627.	4.1	7
26	Data-driven biomarker analysis using computational omics approaches to assess neurodegenerative disease progression. Mathematical Biosciences and Engineering, 2021, 18, 1813-1832.	1.9	7
27	Evaluation of Mathematical Cognitive Functions with the Use of EEG Brain Imaging. Advances in Multimedia and Interactive Technologies Book Series, 2016, , 284-306.	0.2	7
28	Exhaled Breath Condensate (EBC): Is It a Viable Source of Biomarkers for Lung Diseases?. Advances in Experimental Medicine and Biology, 2020, 1195, 13-18.	1.6	7
29	Behaviour of a non-local reactive convective problem modelling ohmic heating of foods. Quarterly Journal of Mechanics and Applied Mathematics, 1999, 52, 623-644.	1.3	6
30	Modeling Protein Misfolding in Charcotâ€“Marieâ€“Tooth Disease. Advances in Experimental Medicine and Biology, 2015, 820, 91-102.	1.6	6
31	Modeling Neural Circuits in Parkinsonâ€™s Disease. Advances in Experimental Medicine and Biology, 2015, 822, 139-147.	1.6	6
32	Ethical Issues of Artificial Biomedical Applications. International Federation for Information Processing, 2011, , 297-302.	0.4	6
33	Principal Directions-Based Algorithm for Classification Tasks. , 2007, , .		5
34	Molecular basis of Huntington's disease and brain imaging evidence. , 2015, , .		5
35	Analysis and design of an information system for cognitive training of patients with mild cognitive impairment using mobile devices. , 2020, , .		5
36	Buccal Mucosa Biomarkers in Alzheimerâ€™s Disease. Advances in Experimental Medicine and Biology, 2020, 1195, 49-56.	1.6	5

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37	Measuring Students' Acceptance and Confidence on Algorithms and Programming: The Impact of the Engagement with CS on Secondary Education. Informatics in Education, 2013, 12, 207-219.	2.2	5
38	Comparing a well designed webcast with traditional learning. , 2010, , .		4
39	Inshigts in EEG Versus HEG and RT-FMRI Neuro Feedback Training for Cognition Enhancement. International Journal of Artificial Intelligence & Applications, 2016, 7, 17-25.	0.5	4
40	Chronic Lymphocytic Leukemia Patient Clustering Based on Somatic Hypermutation (SHM) Analysis. Advances in Experimental Medicine and Biology, 2017, 988, 127-138.	1.6	4
41	Integrating Omic Technologies in Alzheimerâ€™s Disease. Advances in Experimental Medicine and Biology, 2017, 987, 177-184.	1.6	4
42	Formal Models of Biological Systems. Advances in Experimental Medicine and Biology, 2017, 988, 325-338.	1.6	4
43	QEEG coherence patterns related to mathematics ability in children. Applied Neuropsychology: Child, 2022, 11, 328-338.	1.4	4
44	On a certain class of algorithms for noise removal in image processing: a comparative study. , 0, , .		3
45	Frequency-Domain Stochastic Error Concealment for Wireless Audio Applications. Mobile Networks and Applications, 2008, 13, 357.	3.3	3
46	Index of Volume 11 (2008). Journal of Interdisciplinary Mathematics, 2008, 11, 903-908.	0.7	3
47	Programming in secondary education. , 2011, , .		3
48	Artificial Intelligence Applications in Biomedicine. Advances in Artificial Intelligence, 2013, 2013, 1-2.	0.9	3
49	Towards an Expert System for Accurate Diagnosis and Progress Monitoring of Parkinsonâ€™s Disease. Advances in Experimental Medicine and Biology, 2015, 822, 151-164.	1.6	3
50	Associating ï‰-automata to path queries on Webs of Linked Data. Engineering Applications of Artificial Intelligence, 2016, 51, 115-123.	8.1	3
51	Amyotrophic Lateral Sclerosis: Current Status in Diagnostic Biomarkers. Advances in Experimental Medicine and Biology, 2020, 1195, 179-187.	1.6	3
52	A Hypothesis of Circulating MicroRNAsâ€™ Implication in High Incidence of Atrial Fibrillation and Other Electrocardiographic Abnormalities in Cancer Patients. Advances in Experimental Medicine and Biology, 2020, 1196, 1-9.	1.6	3
53	Canonical Polygon Queries on the Plane: A New Approach. Journal of Computers, 2009, 4, .	0.4	3
54	Ethical Issues in Neuroinformatics. IFIP Advances in Information and Communication Technology, 2013, , 700-705.	0.7	3

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55	A theoretical artificial approach on reducing mitochondrial abnormalities in Alzheimer's disease. , 2010, , .		2
56	Investigating the effect of duration in educational webcast adoption. Procedia, Social and Behavioral Sciences, 2011, 15, 160-164.	0.5	2
57	Identifying the predictors of educational webcasts' adoption. , 2011, , .		2
58	An Integrated Ontology-Based Model for the Early Diagnosis of Parkinsonâ€™s Disease. International Federation for Information Processing, 2012, , 442-450.	0.4	2
59	EEG Analysis of the Neurofeedback Training Effect in Algorithmic Thinking. Advances in Experimental Medicine and Biology, 2017, 988, 313-324.	1.6	2
60	Network Biomarkers for Alzheimerâ€™s Disease via a Graph-based Approach. , 2020, , .		2
61	Unique Versus Common: Disease-Biased Immunoglobulin Gene Repertoires Along with Public Antigen Receptor Stereotypes in Marginal Zone B-Cell Lymphoproliferations. Blood, 2015, 126, 1479-1479.	1.4	2
62	Alzheimerâ€™s Disease: The Role of Mutations in Protein Folding. Advances in Experimental Medicine and Biology, 2020, 1195, 227-236.	1.6	2
63	Finite Size Effects in Networks of Coupled Neurons. Advances in Experimental Medicine and Biology, 2020, 1194, 397-407.	1.6	2
64	Can detection and prediction models for Alzheimerâ€™s Disease be applied to Prodromal Parkinsonâ€™s Disease using explainable artificial intelligence? A brief report on Digital Neuro Signatures.. Open Research Europe, 0, 1, 146.	2.0	2
65	Sequences and series involving the sequence of composite numbers. International Journal of Mathematics and Mathematical Sciences, 2002, 31, 31-36.	0.7	1
66	New Approaches in Image Compression and Noise Removal. , 2009, , .		1
67	Automated prediction procedure for Charcot-Marie-Tooth disease. , 2013, , .		1
68	Editorial: Web based cooperation and collaboration. Behaviour and Information Technology, 2013, 32, 517-518.	4.0	1
69	Hybrid Model for Measurement of Building Vulnerability. Key Engineering Materials, 0, 628, 237-242.	0.4	1
70	Building Vulnerability: An Interdisciplinary Concept. Key Engineering Materials, 2014, 628, 193-197.	0.4	1
71	Partitioning the Meandering Curves. Mathematics in Computer Science, 2015, 9, 355-364.	0.4	1
72	Webcasting for Secondary Students: Notes from the Field. Journal of Museum Education, 2015, 40, 110-118.	0.6	1

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73	Detection of oxidative stress in neurodegenerative diseases. , 2015, , .		1
74	Assessing attention in visual and textual programming using neuroeducation approaches. , 2018, , .		1
75	Contributing factors to Alzheimerâ€™s Disease and biomarker identification techniques. , 2020, , .		1
76	The Effectiveness of Neurofeedback Training in Algorithmic Thinking Skills Enhancement. Advances in Experimental Medicine and Biology, 2017, 988, 181-191.	1.6	1
77	Algorithmic Problem Solving Using Interactive Virtual Environment: A Case Study. Communications in Computer and Information Science, 2013, , 433-445.	0.5	1
78	Neural Approaches to Image Compression/Decompression Using PCA based Learning Algorithms. , 2008, , .		1
79	Combinatorial permutation based algorithm for representation of closed RNA secondary structures. Bioinformation, 2011, 7, 91-95.	0.5	1
80	Primary and Secondary School Educators Neuroeducational Awareness and Neuroethics Limitation Aspects. , 2016, 1, 01-22.		1
81	Novel modeling methodologies for the neuropathological dimensions of Parkinsonâ€™s disease. AIMS Neuroscience, 2020, 7, 89-93.	2.3	1
82	Detecting Common Pathways and Key Molecules of Neurodegenerative Diseases from the Topology of Molecular Networks. Advances in Experimental Medicine and Biology, 2020, 1194, 409-421.	1.6	1
83	A Systems Biology Approach for the Identification of Active Molecular Pathways During the Progression of Alzheimerâ€™s Disease. Advances in Experimental Medicine and Biology, 2020, 1194, 303-314.	1.6	1
84	Undergraduate Studentsâ€™ Brain Activity in Visual and Textual Programming. Advances in Experimental Medicine and Biology, 2020, 1194, 425-435.	1.6	1
85	Recent Dimensionality Reduction Techniques for Visualizing High-Dimensional Parkinsonâ€™s Disease Omics Data. , 2021, , .		1
86	An Annotated Bibliography of Journalism Subjects in American Magazines: February, March, and April, 1941. The Journalism Quarterly, 1941, 18, 211-221.	0.3	0
87	Convergence of stationary solutions of reaction-diffusion problems. Journal of Interdisciplinary Mathematics, 2007, 10, 553-557.	0.7	0
88	Lower bounds of the blow-up time for reactions. Journal of Interdisciplinary Mathematics, 2008, 11, 67-75.	0.7	0
89	An unsupervised skeleton based method to discover the structure of the class system. , 2008, , .		0
90	Bayesian analysis of data and model uncertainty in 3D seismic travel-time tomography. Open Geosciences, 2009, 1, .	1.7	0

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91	A New Learning Algorithm of SVM from Linear Separable Samples. Applied Mechanics and Materials, 2011, 58-60, 983-988.	0.2	0
92	A Faster Gradient Ascent Learning Algorithm for Nonlinear SVM. ISRN Applied Mathematics, 2013, 2013, 1-11.	0.5	0
93	Compression of Meanders. Journal of Discrete Mathematics, 2013, 2013, 1-6.	0.4	0
94	Cognitive science: From molecular biology to brain function. , 2015, , .		0
95	Mobile Applications Improve Quality of Life on Citizens with Disorientation: The â€˜NeverLost Appâ€™ Paradigm. Advances in Experimental Medicine and Biology, 2017, 989, 1-10.	1.6	0
96	Complexity in Medical Informatics. Complexity, 2019, 2019, 1-2.	1.6	0
97	Pathway Analysis for unraveling Complex Diseases: Current State and Future Perpectives. , 2020, , .		0
98	Analysis of trends on fabric patterns in contemporary menâ€™s suits. International Journal of Fashion Design, Technology and Education, 2021, 14, 173-184.	1.6	0
99	DIFFUSION DOMINATED BY THE SOURCE TERM IN NONLINEAR NON-LOCAL MODELS. , 2000, , .		0
100	Stochastic Packet Reconstruction for Subjectively Improved Audio Delivery over WLANs. , 2007, , .		0
101	DECORRELATION TECHNIQUES IN IMAGE RESTORATION. , 2008, , .		0
102	A new Motzkin class for joint RNA secondary structures. Bioinformation, 2011, 6, 162-163.	0.5	0
103	Modeling k-Noncrossing Closed RNA Secondary Structures via Meandric Compression. Advances in Experimental Medicine and Biology, 2015, 820, 207-216.	1.6	0
104	Solutions of generalized linear matrix differential equations which satisfy boundary conditions at two points. Applied Mathematical Sciences, 0, 9, 493-505.	0.1	0
105	Neurofeedback Training Effect in Cognition and Mathematical Perception. , 2016, 1, 01-08.		0
106	Scheduling and Modeling a Cognitive Assessment Guide for Screening AD by Primary Care Physicians. Advances in Experimental Medicine and Biology, 2017, 987, 199-212.	1.6	0
107	Modeling the Critical Activation of Chaperone Machinery in Protein Folding. Advances in Experimental Medicine and Biology, 2020, 1194, 351-358.	1.6	0
108	Can detection and prediction models for Alzheimerâ€™s Disease be applied to Prodromal Parkinsonâ€™s Disease using explainable artificial intelligence? A brief report on Digital Neuro Signatures.. Open Research Europe, 0, 1, 146.	2.0	0

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109	Handling the Cellular Complex Systems in Alzheimerâ€™s Disease Through a Graph Mining Approach. Advances in Experimental Medicine and Biology, 2021, 1338, 135-144.	1.6	0