

# Panayiotis M Vlamos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7206656/publications.pdf>

Version: 2024-02-01

109  
papers

696  
citations

759233

12  
h-index

677142

22  
g-index

118  
all docs

118  
docs citations

118  
times ranked

880  
citing authors

#	ARTICLE	IF	CITATIONS
1	QEEG coherence patterns related to mathematics ability in children. <i>Applied Neuropsychology: Child</i> , 2022, 11, 328-338.	1.4	4
2	A Sensor-Based Perspective in Early-Stage Parkinson's Disease: Current State and the Need for Machine Learning Processes. <i>Sensors</i> , 2022, 22, 409.	3.8	12
3	Undergraduate students' experiences with educational podcasts to learn about inclusive and integrated physical education. <i>European Physical Education Review</i> , 2021, 27, 185-202.	2.0	9
4	Analysis of trends on fabric patterns in contemporary men's suits. <i>International Journal of Fashion Design, Technology and Education</i> , 2021, 14, 173-184.	1.6	0
5	Improving the Utility of Polygenic Risk Scores as a Biomarker for Alzheimer's Disease. <i>Cells</i> , 2021, 10, 1627.	4.1	7
6	Data-driven biomarker analysis using computational omics approaches to assess neurodegenerative disease progression. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 1813-1832.	1.9	7
7	Handling the Cellular Complex Systems in Alzheimer's Disease Through a Graph Mining Approach. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1338, 135-144.	1.6	0
8	Recent Dimensionality Reduction Techniques for Visualizing High-Dimensional Parkinson's Disease Omics Data. , 2021, , .		1
9	Pathway Analysis for unraveling Complex Diseases: Current State and Future Perspectives. , 2020, , .		0
10	Network Biomarkers for Alzheimer's Disease via a Graph-based Approach. , 2020, , .		2
11	Analysis and design of an information system for cognitive training of patients with mild cognitive impairment using mobile devices. , 2020, , .		5
12	Digital biomarker-based individualized prognosis for people at risk of dementia. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12073.	2.4	28
13	Contributing factors to Alzheimer's Disease and biomarker identification techniques. , 2020, , .		1
14	Amyotrophic Lateral Sclerosis: Current Status in Diagnostic Biomarkers. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1195, 179-187.	1.6	3
15	Buccal Mucosa Biomarkers in Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1195, 49-56.	1.6	5
16	A Hypothesis of Circulating MicroRNAs' Implication in High Incidence of Atrial Fibrillation and Other Electrocardiographic Abnormalities in Cancer Patients. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1196, 1-9.	1.6	3
17	Novel modeling methodologies for the neuropathological dimensions of Parkinson's disease. <i>AIMS Neuroscience</i> , 2020, 7, 89-93.	2.3	1
18	Detecting Common Pathways and Key Molecules of Neurodegenerative Diseases from the Topology of Molecular Networks. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1194, 409-421.	1.6	1

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19	A Systems Biology Approach for the Identification of Active Molecular Pathways During the Progression of Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1194, 303-314.	1.6	1
20	Alzheimer's Disease: The Role of Mutations in Protein Folding. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1195, 227-236.	1.6	2
21	Finite Size Effects in Networks of Coupled Neurons. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1194, 397-407.	1.6	2
22	Modeling the Critical Activation of Chaperone Machinery in Protein Folding. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1194, 351-358.	1.6	0
23	Exhaled Breath Condensate (EBC): Is It a Viable Source of Biomarkers for Lung Diseases?. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1195, 13-18.	1.6	7
24	Undergraduate Students' Brain Activity in Visual and Textual Programming. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1194, 425-435.	1.6	1
25	Complexity in Medical Informatics. <i>Complexity</i> , 2019, 2019, 1-2.	1.6	0
26	Disease-biased and shared characteristics of the immunoglobulin gene repertoires in marginal zone B cell lymphoproliferations. <i>Journal of Pathology</i> , 2019, 247, 416-421.	4.5	25
27	Diagnosing asthma and chronic obstructive pulmonary disease with machine learning. <i>Health Informatics Journal</i> , 2019, 25, 811-827.	2.1	70
28	Web conferencing-based tutorials: student perceptions thereof and the effect on academic performance in accounting education. <i>Accounting Education</i> , 2018, 27, 531-546.	3.8	14
29	Automated shape-based clustering of 3D immunoglobulin protein structures in chronic lymphocytic leukemia. <i>BMC Bioinformatics</i> , 2018, 19, 414.	2.6	9
30	Assessing attention in visual and textual programming using neuroeducation approaches. , 2018, , .		1
31	Transcriptomics in amyotrophic lateral sclerosis. <i>Frontiers in Bioscience - Elite</i> , 2018, 10, 103-121.	1.8	19
32	Chronic Lymphocytic Leukemia Patient Clustering Based on Somatic Hypermutation (SHM) Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2017, 988, 127-138.	1.6	4
33	Molecular Chaperones in Neurodegenerative Diseases: A Short Review. <i>Advances in Experimental Medicine and Biology</i> , 2017, 987, 219-231.	1.6	15
34	Integrating Omic Technologies in Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2017, 987, 177-184.	1.6	4
35	Formal Models of Biological Systems. <i>Advances in Experimental Medicine and Biology</i> , 2017, 988, 325-338.	1.6	4
36	Mobile Applications Improve Quality of Life on Citizens with Disorientation: The 'NeverLost App' Paradigm. <i>Advances in Experimental Medicine and Biology</i> , 2017, 989, 1-10.	1.6	0

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37	EEG Analysis of the Neurofeedback Training Effect in Algorithmic Thinking. <i>Advances in Experimental Medicine and Biology</i> , 2017, 988, 313-324.	1.6	2
38	IoT Applications with 5G Connectivity in Medical Tourism Sector Management: Third-Party Service Scenarios. <i>Advances in Experimental Medicine and Biology</i> , 2017, 989, 141-154.	1.6	10
39	The Effectiveness of Neurofeedback Training in Algorithmic Thinking Skills Enhancement. <i>Advances in Experimental Medicine and Biology</i> , 2017, 988, 181-191.	1.6	1
40	Scheduling and Modeling a Cognitive Assessment Guide for Screening AD by Primary Care Physicians. <i>Advances in Experimental Medicine and Biology</i> , 2017, 987, 199-212.	1.6	0
41	Inshigts in EEG Versus HEG and RT-fMRI Neuro Feedback Training for Cognition Enhancement. <i>International Journal of Artificial Intelligence &amp; Applications</i> , 2016, 7, 17-25.	0.5	4
42	Associating %o-automata to path queries on Webs of Linked Data. <i>Engineering Applications of Artificial Intelligence</i> , 2016, 51, 115-123.	8.1	3
43	Evaluation of Mathematical Cognitive Functions with the Use of EEG Brain Imaging. <i>Advances in Multimedia and Interactive Technologies Book Series</i> , 2016, , 284-306.	0.2	7
44	Primary and Secondary School Educators Neuroeducational Awareness and Neuroethics Limitation Aspects. , 2016, 1, 01-22.		1
45	Neurofeedback Training Effect in Cognition and Mathematical Perception. , 2016, 1, 01-08.		0
46	Partitioning the Meandering Curves. <i>Mathematics in Computer Science</i> , 2015, 9, 355-364.	0.4	1
47	Webcasting for Secondary Students: Notes from the Field. <i>Journal of Museum Education</i> , 2015, 40, 110-118.	0.6	1
48	Modeling Protein Misfolding in Charcotâ€“Marieâ€“Tooth Disease. <i>Advances in Experimental Medicine and Biology</i> , 2015, 820, 91-102.	1.6	6
49	Molecular basis of Huntington's disease and brain imaging evidence. , 2015, , .		5
50	Detection of oxidative stress in neurodegenerative diseases. , 2015, , .		1
51	Cognitive science: From molecular biology to brain function. , 2015, , .		0
52	Towards an Expert System for Accurate Diagnosis and Progress Monitoring of Parkinsonâ€™s Disease. <i>Advances in Experimental Medicine and Biology</i> , 2015, 822, 151-164.	1.6	3
53	Notch Signaling and Ageing. <i>Advances in Experimental Medicine and Biology</i> , 2015, 822, 25-36.	1.6	16
54	Modeling Neural Circuits in Parkinsonâ€™s Disease. <i>Advances in Experimental Medicine and Biology</i> , 2015, 822, 139-147.	1.6	6

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55	Unique Versus Common: Disease-Biased Immunoglobulin Gene Repertoires Along with Public Antigen Receptor Stereotypes in Marginal Zone B-Cell Lymphoproliferations. <i>Blood</i> , 2015, 126, 1479-1479.	1.4	2
56	Modeling k-Noncrossing Closed RNA Secondary Structures via Meandric Compression. <i>Advances in Experimental Medicine and Biology</i> , 2015, 820, 207-216.	1.6	0
57	Building Vulnerability: An Interdisciplinary Concept. <i>Key Engineering Materials</i> , 2014, 628, 193-197.	0.4	1
58	Educational webcasts' acceptance: Empirical examination and the role of experience. <i>British Journal of Educational Technology</i> , 2013, 44, 125-143.	6.3	47
59	Using webcasts in education: Evaluation of its effectiveness. <i>British Journal of Educational Technology</i> , 2013, 44, 432-441.	6.3	17
60	Automated prediction procedure for Charcot-Marie-Tooth disease. , 2013, , .		1
61	Using Facebook out of habit. <i>Behaviour and Information Technology</i> , 2013, 32, 594-602.	4.0	66
62	A Faster Gradient Ascent Learning Algorithm for Nonlinear SVM. <i>ISRN Applied Mathematics</i> , 2013, 2013, 1-11.	0.5	0
63	Editorial: Web based cooperation and collaboration. <i>Behaviour and Information Technology</i> , 2013, 32, 517-518.	4.0	1
64	Compression of Meanders. <i>Journal of Discrete Mathematics</i> , 2013, 2013, 1-6.	0.4	0
65	Artificial Intelligence Applications in Biomedicine. <i>Advances in Artificial Intelligence</i> , 2013, 2013, 1-2.	0.9	3
66	Algorithmic Problem Solving Using Interactive Virtual Environment: A Case Study. <i>Communications in Computer and Information Science</i> , 2013, , 433-445.	0.5	1
67	Ethical Issues in Neuroinformatics. <i>IFIP Advances in Information and Communication Technology</i> , 2013, , 700-705.	0.7	3
68	Measuring Students' Acceptance and Confidence on Algorithms and Programming: The Impact of the Engagement with CS on Secondary Education. <i>Informatics in Education</i> , 2013, 12, 207-219.	2.2	5
69	An Integrated Ontology-Based Model for the Early Diagnosis of Parkinson's Disease. <i>International Federation for Information Processing</i> , 2012, , 442-450.	0.4	2
70	A Cultural Algorithm for the Representation of Mitochondrial Population. <i>Advances in Artificial Intelligence</i> , 2012, 2012, 1-7.	0.9	8
71	Investigating the effect of duration in educational webcast adoption. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 15, 160-164.	0.5	2
72	Identifying the predictors of educational webcasts' adoption. , 2011, , .		2

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73	Programming in secondary education. , 2011, , .		3
74	Square AR: Using Augmented Reality for Urban Planning. , 2011, , .		14
75	A New Learning Algorithm of SVM from Linear Separable Samples. Applied Mechanics and Materials, 2011, 58-60, 983-988.	0.2	0
76	Ethical Issues of Artificial Biomedical Applications. International Federation for Information Processing, 2011, , 297-302.	0.4	6
77	Modeling the mitochondrial dysfunction in neurogenerative diseases due to high H <sup>+</sup> concentration. Bioinformatics, 2011, 6, 173-175.	0.5	12
78	A new Motzkin class for joint RNA secondary structures. Bioinformatics, 2011, 6, 162-163.	0.5	0
79	Combinatorial permutation based algorithm for representation of closed RNA secondary structures. Bioinformatics, 2011, 7, 91-95.	0.5	1
80	Comparing a well designed webcast with traditional learning. , 2010, , .		4
81	A theoretical artificial approach on reducing mitochondrial abnormalities in Alzheimer's disease. , 2010, , .		2
82	New Approaches in Image Compression and Noise Removal. , 2009, , .		1
83	Bayesian analysis of data and model uncertainty in 3D seismic travel-time tomography. Open Geosciences, 2009, 1, .	1.7	0
84	Canonical Polygon Queries on the Plane: A New Approach. Journal of Computers, 2009, 4, .	0.4	3
85	Frequency-Domain Stochastic Error Concealment for Wireless Audio Applications. Mobile Networks and Applications, 2008, 13, 357.	3.3	3
86	Lower bounds of the blow-up time for reactions. Journal of Interdisciplinary Mathematics, 2008, 11, 67-75.	0.7	0
87	Index of Volume 11 (2008). Journal of Interdisciplinary Mathematics, 2008, 11, 903-908.	0.7	3
88	An unsupervised skeleton based method to discover the structure of the class system. , 2008, , .		0
89	Neural Approaches to Image Compression/Decompression Using PCA based Learning Algorithms. , 2008, , .		1
90	DECORRELATION TECHNIQUES IN IMAGE RESTORATION. , 2008, , .		0

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91	Convergence of stationary solutions of reaction-diffusion problems. Journal of Interdisciplinary Mathematics, 2007, 10, 553-557.	0.7	0
92	Principal Directions-Based Algorithm for Classification Tasks. , 2007, , .		5
93	Stochastic Packet Reconstruction for Subjectively Improved Audio Delivery over WLANs. , 2007, , .		0
94	Sequences and series involving the sequence of composite numbers. International Journal of Mathematics and Mathematical Sciences, 2002, 31, 31-36.	0.7	1
95	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
96	A nonlocal problem modelling ohmic heating with variable thermal conductivity. Nonlinear Analysis: Real World Applications, 2001, 2, 443-454.	1.7	17
97	Application of the sCPA equation of state for polymer solutions. Computational and Theoretical Polymer Science, 2000, 10, 501-506.	1.1	12
98	An interpretation of the behavior of EoS/GE models for asymmetric systems. Chemical Engineering Science, 2000, 55, 2351-2358.	3.8	32
99	General Form of the Cross-Energy Parameter of Equations of State. Industrial & Engineering Chemistry Research, 2000, 39, 3076-3082.	3.7	25
100	Theq-numerical range of matrix polynomials. Linear and Multilinear Algebra, 2000, 47, 1-9.	1.0	9
101	DIFFUSION DOMINATED BY THE SOURCE TERM IN NONLINEAR NON-LOCAL MODELS. , 2000, , .		0
102	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
103	Assessment of Activity Coefficient Models for Predicting Solid-Liquid Equilibria of Asymmetric Binary Alkane Systems. Industrial & Engineering Chemistry Research, 1999, 38, 316-323.	3.7	20
104	An Annotated Bibliography of Journalism Subjects in American Magazines: February, March, and April, 1941. The Journalism Quarterly, 1941, 18, 211-221.	0.3	0
105	On a certain class of algorithms for noise removal in image processing: a comparative study. , 0, , .		3
106	Hybrid Model for Measurement of Building Vulnerability. Key Engineering Materials, 0, 628, 237-242.	0.4	1
107	Solutions of generalized linear matrix differential equations which satisfy boundary conditions at two points. Applied Mathematical Sciences, 0, 9, 493-505.	0.1	0
108	Can detection and prediction models for Alzheimer's Disease be applied to Prodromal Parkinson'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	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