

# Grazziela P Figueredo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9141602/publications.pdf>

Version: 2024-02-01

47  
papers

737  
citations

623188

14  
h-index

610482

24  
g-index

50  
all docs

50  
docs citations

50  
times ranked

988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune Modulation by Design: Using Topography to Control Human Monocyte Attachment and Macrophage Differentiation. <i>Advanced Science</i> , 2020, 7, 1903392.	5.6	93
2	Immune-Instructive Polymers Control Macrophage Phenotype and Modulate the Foreign Body Response In Vivo. <i>Matter</i> , 2020, 2, 1564-1581.	5.0	70
3	Deep Learning with Dynamically Weighted Loss Function for Sensor-Based Prognostics and Health Management. <i>Sensors</i> , 2020, 20, 723.	2.1	64
4	Comparing Stochastic Differential Equations and Agent-Based Modelling and Simulation for Early-Stage Cancer. <i>PLoS ONE</i> , 2014, 9, e95150.	1.1	57
5	Students' Views towards Sars-Cov-2 Mass Asymptomatic Testing, Social Distancing and Self-Isolation in a University Setting during the COVID-19 Pandemic: A Qualitative Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4182.	1.2	53
6	Short and Long term predictions of Hospital emergency department attendances. <i>International Journal of Medical Informatics</i> , 2019, 129, 167-174.	1.6	37
7	Evolving Deep CNN-LSTMs for Inventory Time Series Prediction. , 2019, , .		35
8	Discovery of (meth)acrylate polymers that resist colonization by fungi associated with pathogenesis and biodeterioration. <i>Science Advances</i> , 2020, 6, eaba6574.	4.7	29
9	Novel in vitro diagnosis of equine allergies using a protein array and mathematical modelling approach: A proof of concept using insect bite hypersensitivity. <i>Veterinary Immunology and Immunopathology</i> , 2015, 167, 171-177.	0.5	22
10	On-lattice agent-based simulation of populations of cells within the open-source Chaste framework. <i>Interface Focus</i> , 2013, 3, 20120081.	1.5	20
11	Evaluating the impact of Heavy Goods Vehicle driver monitoring and coaching to reduce risky behaviour. <i>Accident Analysis and Prevention</i> , 2020, 146, 105754.	3.0	20
12	Discovery of synergistic material-topography combinations to achieve immunomodulatory osteoinductive biomaterials using a novel in vitro screening method: The ChemoTopoChip. <i>Biomaterials</i> , 2021, 271, 120740.	5.7	20
13	Investigating mathematical models of immuno-interactions with early-stage cancer under an agent-based modelling perspective. <i>BMC Bioinformatics</i> , 2013, 14, S6.	1.2	18
14	A Hybrid Deep Learning Approach for Driver Distraction Detection. , 2020, , .		17
15	Identifying Heavy Goods Vehicle Driving Styles in the United Kingdom. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 3324-3336.	4.7	16
16	Deep Learning Approaches to Aircraft Maintenance, Repair and Overhaul: A Review. , 2018, , .		15
17	Hypoalbuminemia in patients following their recovery from severe coronavirus disease 2019. <i>Journal of Medical Virology</i> , 2021, 93, 4532-4536.	2.5	15
18	Towards a More Reliable Interpretation of Machine Learning Outputs for Safety-Critical Systems Using Feature Importance Fusion. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11854.	1.3	15

#	ARTICLE	IF	CITATIONS
19	Machine learning to determine the main factors affecting creep rates in laser powder bed fusion. <i>Journal of Intelligent Manufacturing</i> , 2021, 32, 2353-2373.	4.4	13
20	An immune-inspired instance selection mechanism for supervised classification. <i>Memetic Computing</i> , 2012, 4, 135-147.	2.7	12
21	Vehicle Incident Hot Spots Identification: An Approach for Big Data. , 2017, , .		7
22	A signalome screening approach in the autoinflammatory disease TNF receptor associated periodic syndrome (TRAPS) highlights the anti-inflammatory properties of drugs for repurposing. <i>Pharmacological Research</i> , 2017, 125, 188-200.	3.1	7
23	An Immune-Inspired Technique to Identify Heavy Goods Vehicles Incident Hot Spots. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2017, 1, 248-258.	3.4	7
24	Towards Real-Time Heavy Goods Vehicle Driving Behaviour Classification in the United Kingdom. , 2019, , .		7
25	Benchmarking Deep Learning Models for Driver Distraction Detection. <i>Lecture Notes in Computer Science</i> , 2020, , 103-117.	1.0	7
26	A Data Analysis Framework to Rank HGV Drivers. , 2015, , .		6
27	Single-Cell Tracking on Polymer Microarrays Reveals the Impact of Surface Chemistry on <i>Pseudomonas aeruginosa</i> Twitching Speed and Biofilm Development. <i>ACS Applied Bio Materials</i> , 2020, 3, 8471-8480.	2.3	6
28	Circulating fibrocytes are not disease-specific prognosticators in idiopathic pulmonary fibrosis. <i>European Respiratory Journal</i> , 2021, 58, 2100172.	3.1	6
29	Juxtaposition of System Dynamics and Agent-Based Simulation for a Case Study in Immunosenescence. <i>PLoS ONE</i> , 2015, 10, e0118359.	1.1	6
30	Using agent-based modelling for investigating modal shift: The case of university travel. <i>Computers and Industrial Engineering</i> , 2020, 139, 106077.	3.4	5
31	Asymmetric Loss Functions for Deep Learning Early Predictions of Remaining Useful Life in Aerospace Gas Turbine Engines. , 2020, , .		5
32	PAS3-HSID: a Dynamic Bio-Inspired Approach for Real-Time Hot Spot Identification in Data Streams. <i>Cognitive Computation</i> , 2019, 11, 434-458.	3.6	4
33	The Extent of User Involvement in the Design of Self-tracking Technology for Bipolar Disorder: Literature Review. <i>JMIR Mental Health</i> , 2021, 8, e27991.	1.7	4
34	Capturing Uncertainty in Heavy Goods Vehicles Driving Behaviour. , 2020, , .		4
35	Systems Dynamics or Agent-Based Modelling for Immune Simulation?. <i>Lecture Notes in Computer Science</i> , 2011, , 81-94.	1.0	3
36	Evolutionary algorithms to simulate the phylogenesis of a binary artificial immune system. <i>Evolutionary Intelligence</i> , 2008, 1, 133-144.	2.3	2

#	ARTICLE	IF	CITATIONS
37	Microarray Feature Selection and Dynamic Selection of Classifiers for Early Detection of Insect Bite Hypersensitivity in Horses. , 2019, , .		2
38	A Simulation-based Optimisation Approach for Inventory Management of Highly Perishable Food. , 2019, , .		2
39	An Intelligent Toolkit for Benchmarking Data-Driven Aerospace Prognostics. , 2019, , .		1
40	A Systemic Dynamics Model of Text Production. Journal of Quantitative Linguistics, 2020, 27, 291-320.	0.7	1
41	Subspace-Based Dynamic Selection: A Proof of Concept Using Protein Microarray Data. , 2020, , .		1
42	Exploring self-tracking practices for those with lived experience of bipolar disorder. , 2022, , .		1
43	Adaptive Data Communication Interface: A User-Centric Visual Data Interpretation Framework. , 2015, , .		0
44	A Hybrid Evolutionary Strategy to Optimise Early-Stage Cancer Screening. , 2019, , .		0
45	Fuzzy Hot Spot Identification for Big Data: An Initial Approach. , 2019, , .		0
46	The Use of Agent-Based Simulation to Discover Extreme Cases in Immune-Interactions with Early-Stage Cancer Scenarios. SSRN Electronic Journal, 0, , .	0.4	0
47	Dynamic Selection of Classifiers Applied to High-Dimensional Small-Instance Data Sets: Problems and Challenges. Lecture Notes in Computer Science, 2020, , 637-649.	1.0	0