

# J Alberto Conejero

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

1,055  
citations

566801

15  
h-index

552369

26  
g-index

104  
all docs

104  
docs citations

104  
times ranked

808  
citing authors



#	ARTICLE	IF	CITATIONS
19	A User-Centered Chatbot (Wakamola) to Collect Linked Data in Population Networks to Support Studies of Overweight and Obesity Causes: Design and Pilot Study. JMIR Medical Informatics, 2021, 9, e17503.	1.3	15
20	An Analytical Model Based on Population Processes to Characterize Data Dissemination in 5G Opportunistic Networks. IEEE Access, 2018, 6, 1603-1615.	2.6	14
21	A model based on local graphs for colour images and its application for Gaussian noise smoothing. Journal of Computational and Applied Mathematics, 2018, 330, 955-964.	1.1	14
22	Smoothing vs. sharpening of colour images: Together or separated. Applied Mathematics and Nonlinear Sciences, 2017, 2, 299-316.	0.9	14
23	Quartic Kerr cavity combs: bright and dark solitons. Optics Letters, 2022, 47, 2438.	1.7	14
24	Hypercyclic subspaces in omega. Journal of Mathematical Analysis and Applications, 2006, 316, 16-23.	0.5	13
25	Automatic Classification of Winding Asymmetries in Wound Rotor Induction Motors Based on Bicoherence and Fuzzy C-Means Algorithms of Stray Flux Signals. IEEE Transactions on Industry Applications, 2021, 57, 5876-5886.	3.3	13
26	An Iterative Algorithm for the Management of an Electric Car-Rental Service. Journal of Applied Mathematics, 2014, 2014, 1-11.	0.4	12
27	Efficient recurrent neural network methods for anomalously diffusing single particle short and noisy trajectories. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 504002.	0.7	12
28	Distributional chaos for the Forward and Backward Control traffic model. Linear Algebra and Its Applications, 2015, 479, 202-215.	0.4	11
29	Chaos for the Hyperbolic Bioheat Equation. Discrete and Continuous Dynamical Systems, 2015, 35, 653-668.	0.5	11
30	Analytical evaluation of the performance of contact-Based messaging applications. Computer Networks, 2016, 111, 45-54.	3.2	11
31	Linear dynamics of semigroups generated by differential operators. Open Mathematics, 2017, 15, 745-767.	0.5	11
32	Estimation of the light field inside photosynthetic microorganism cultures through Mittag-Leffler functions at depleted light conditions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 204, 23-26.	1.1	11
33	A happiness degree predictor using the conceptual data structure for deep learning architectures. Computer Methods and Programs in Biomedicine, 2019, 168, 59-68.	2.6	11
34	Open Data Science to Fight COVID-19: Winning the 500k XPRIZE Pandemic Response Challenge. Lecture Notes in Computer Science, 2021, , 384-399.	1.0	11
35	An algorithm for self-organization of driverless vehicles of a car-rental service. Nonlinear Dynamics, 2016, 84, 107-114.	2.7	10
36	Smartphone Sensors for Monitoring Cancer-Related Quality of Life: App Design, EORTC QLQ-C30 Mapping and Feasibility Study in Healthy Subjects. International Journal of Environmental Research and Public Health, 2019, 16, 461.	1.2	10

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37	A Game-Theory Method to Design Job Rotation Schedules to Prevent Musculoskeletal Disorders Based on Workersâ€™ Preferences and Competencies. International Journal of Environmental Research and Public Health, 2019, 16, 4666.	1.2	10
38	Convolution operators supporting hypercyclic algebras. Journal of Mathematical Analysis and Applications, 2017, 445, 1232-1238.	0.5	9
39	Feature Extraction and Similarity of Movement Detection during Sleep, Based on Higher Order Spectra and Entropy of the Actigraphy Signal: Results of the Hispanic Community Health Study/Study of Latinos. Sensors, 2018, 18, 4310.	2.1	9
40	Distributionally chaotic families of operators on Fréchet spaces. Communications on Pure and Applied Analysis, 2016, 15, 1915-1939.	0.4	9
41	Dynamics of the solutions of the water hammer equations. Topology and Its Applications, 2016, 203, 67-83.	0.2	8
42	Chaotic asymptotic behaviour of the solutions of the Lighthillâ€™Whithamâ€™Richards equation. Nonlinear Dynamics, 2016, 84, 127-133.	2.7	8
43	Age slowing down in detection and visual discrimination under varying presentation times. Scandinavian Journal of Psychology, 2017, 58, 304-311.	0.8	8
44	New Approach for Phylogenetic Tree Recovery Based on Genome-Scale Metabolic Networks. Journal of Computational Biology, 2014, 21, 508-519.	0.8	7
45	Natural visibility graphs for diagnosing attention deficit hyperactivity disorder (ADHD). Electronic Notes in Discrete Mathematics, 2016, 54, 337-342.	0.4	7
46	Hypercyclic algebras for convolution and composition operators. Journal of Functional Analysis, 2018, 274, 2884-2905.	0.7	7
47	Subgrouping Factors Influencing Migraine Intensity in Women: A Semi-automatic Methodology Based on Machine Learning and Information Geometry. Pain Practice, 2020, 20, 297-309.	0.9	7
48	Reversible Self-Replication of Spatiotemporal Kerr Cavity Patterns. Physical Review Letters, 2021, 126, 063903.	2.9	7
49	When the Identity Theorem â€™Seemsâ€™to Fail. American Mathematical Monthly, 2014, 121, 60.	0.2	6
50	Chaotic semigroups from second order partial differential equations. Journal of Mathematical Analysis and Applications, 2017, 456, 402-411.	0.5	6
51	Highly tempering infinite matrices. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2018, 112, 341-345.	0.6	6
52	$S$ -linear and convex structures in function families. Linear Algebra and Its Applications, 2019, 579, 463-483.	0.4	6
53	Temporal variability analysis reveals biases in electronic health records due to hospital process reengineering interventions over seven years. PLoS ONE, 2019, 14, e0220369.	1.1	6
54	Visibility graphs of fractional Wuâ€™Baleanu time series. Journal of Difference Equations and Applications, 2019, 25, 1321-1331.	0.7	6

#	ARTICLE	IF	CITATIONS
55	How the Wakamola chatbot studied a university community's lifestyle during the COVID-19 confinement. Health Informatics Journal, 2021, 27, 146045822110179.	1.1	6
56	Benefits of a dance group intervention on institutionalized elder people: a Bayesian network approach. Applied Mathematics and Nonlinear Sciences, 2018, 3, 503-512.	0.9	6
57	Use of Receiver Operating Characteristic Curve to Evaluate a Street Lighting Control System. IEEE Access, 2021, 9, 144660-144675.	2.6	6
58	On the existence of chaos for the viscous van Wijngaarden's Eringen equation. Chaos, Solitons and Fractals, 2016, 89, 100-104.	2.5	5
59	Dynamics of multivalued linear operators. Open Mathematics, 2017, 15, 948-958.	0.5	5
60	Bispectrum Analysis of Stray Flux Signals for the Robust Detection of Winding Asymmetries in Wound Rotor Induction Motors. , 2020, , .		5
61	Subphenotyping of Mexican Patients With COVID-19 at Preadmission To Anticipate Severity Stratification: Age-Sex Unbiased Meta-Clustering Technique. JMIR Public Health and Surveillance, 2022, 8, e30032.	1.2	5
62	Chaotic differential operators. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2011, 105, 423-431.	0.6	4
63	An Extension of Hypercyclicity for N-Linear Operators. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.3	4
64	A Tree-Based Model for Setting Optimal Train Fare Zones. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	4
65	Linear chaos for the Quick-Thinking-Driver model. Semigroup Forum, 2016, 92, 486-493.	0.3	4
66	Detection of Bar Breakages in Induction Motor via Spectral Subtraction of Stray Flux Signals. , 2018, , .		4
67	Dynamics on Binary Relations over Topological Spaces. Symmetry, 2018, 10, 211.	1.1	4
68	Power-Law Distribution of Natural Visibility Graphs from Reaction Times Series. Symmetry, 2019, 11, 563.	1.1	4
69	Graph-based methods for simultaneous smoothing and sharpening of color images. Journal of Computational and Applied Mathematics, 2019, 350, 380-395.	1.1	4
70	Detection of Adjacent and Non-Adjacent Bar Breakages in Induction Motors Based on Power Spectral Subtraction and Second Order Statistics of Sound Signals. Applied Sciences (Switzerland), 2020, 10, 6641.	1.3	4
71	Determinación de componentes conexas en el análisis de zonas homogéneas y de detalle en imágenes a color. Modelling in Science Education and Learning, 2018, 11, 5.	0.1	4
72	Large scale evaluation of differences between network-based and pairwise sequence-alignment-based methods of dendrogram reconstruction. PLoS ONE, 2019, 14, e0221631.	1.1	3



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91	Isomorphic copies of $\mathbb{Z}^m$ for homogeneous non-analytic Bohnenblust-Hille polynomials. <i>Mathematische Nachrichten</i> , 2017, 290, 218-225.	0.4	1
92	Rational Design of a Genetic Finite State Machine: Combining Biology, Engineering, and Mathematics for Bio-Computer Research. <i>Mathematics</i> , 2020, 8, 1362.	1.1	1
93	Graphs based methods for simultaneous smoothing and sharpening. <i>MethodsX</i> , 2020, 7, 100819.	0.7	1
94	Multiplicative structures of hypercyclic functions for convolution operators. <i>Journal of Operator Theory</i> , 2018, 80, 213-224.	0.2	1
95	A SIR-based model for contact-based messaging applications supported by permanent infrastructure. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2019, 12, 735-746.	0.6	1
96	An application-case for derivative learning: Optimization in colour image filtering. , 2010, , .		0
97	An Analysis of the Influence of Graph Theory When Preparing for Programming Contests. <i>Mathematics</i> , 2017, 5, 8.	1.1	0
98	Bispectrum and Kurtosis Analysis of Rotor Currents for the Detection of Field Winding Faults in Synchronous Motors. , 2021, , .		0
99	A freshmen mentoring program at the Universitat Politècnica de València over the period 2000-2010. <i>Journal of Industrial Engineering and Management</i> , 2011, 4, .	1.0	0
100	Dynamics of multidimensional Cesàro operators. <i>Bulletin of the Belgian Mathematical Society - Simon Stevin</i> , 2019, 26, .	0.1	0