

# J Alberto Conejero

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89  
papers

598  
citations

13  
h-index

18  
g-index

103  
ext. papers

820  
ext. citations

2.5  
avg, IF

4.49  
L-index

#	Paper	IF	Citations
89	Hypercyclic behaviour of operators in a hypercyclic . <i>Journal of Functional Analysis</i> , <b>2007</b> , 244, 342-348	1.4	51
88	Hypercyclic translation $\mathbb{C}_0$ -semigroups on complex sectors. <i>Discrete and Continuous Dynamical Systems</i> , <b>2009</b> , 25, 1195-1208	2	27
87	Linear transitivity criteria. <i>Topology and Its Applications</i> , <b>2005</b> , 153, 767-773	0.4	24
86	Light distribution and spectral composition within cultures of micro-algae: Quantitative modelling of the light field in photobioreactors. <i>Algal Research</i> , <b>2017</b> , 23, 166-177	5	21
85	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 4585-4594	4.3	21
84	Hypercyclic Semigroups Generated by Ornstein-Uhlenbeck Operators. <i>Mediterranean Journal of Mathematics</i> , <b>2010</b> , 7, 101-109	0.9	21
83	Higher-Order Spectral Analysis of Stray Flux Signals for Faults Detection in Induction Motors. <i>Applied Mathematics and Nonlinear Sciences</i> , <b>2020</b> , 5, 1-14	4	21
82	Potential limitations in COVID-19 machine learning due to data source variability: A case study in the nCov2019 dataset. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2021</b> , 28, 360-364	8.6	19
81	Rotor Fault Detection in Induction Motors Based on Time-Frequency Analysis Using the Bispectrum and the Autocovariance of Stray Flux Signals. <i>Energies</i> , <b>2019</b> , 12, 597	3.1	16
80	CyanoFactory, a European consortium to develop technologies needed to advance cyanobacteria as chassis for production of chemicals and fuels. <i>Algal Research</i> , <b>2019</b> , 41, 101510	5	15
79	Algebrability and nowhere Gevrey differentiability. <i>Israel Journal of Mathematics</i> , <b>2015</b> , 205, 127-143	0.8	15
78	Powers of Hypercyclic Functions for Some Classical Hypercyclic Operators. <i>Integral Equations and Operator Theory</i> , <b>2007</b> , 58, 591-596	0.5	15
77	Objective comparison of methods to decode anomalous diffusion. <i>Nature Communications</i> , <b>2021</b> , 12, 6253	17.4	14
76	Smoothing vs. sharpening of colour images: Together or separated. <i>Applied Mathematics and Nonlinear Sciences</i> , <b>2017</b> , 2, 299-316	4	12
75	Lineability within probability theory settings. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , <b>2017</b> , 111, 673-684	1.6	11
74	CHAOTIC ASYMPTOTIC BEHAVIOR OF THE HYPERBOLIC HEAT TRANSFER EQUATION SOLUTIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2010</b> , 20, 2943-2947	2	11
73	A model based on local graphs for colour images and its application for Gaussian noise smoothing. <i>Journal of Computational and Applied Mathematics</i> , <b>2018</b> , 330, 955-964	2.4	10

72	An Analytical Model Based on Population Processes to Characterize Data Dissemination in 5G Opportunistic Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 1603-1615	3.5	9
71	Analytical evaluation of the performance of contact-Based messaging applications. <i>Computer Networks</i> , <b>2016</b> , 111, 45-54	5.4	9
70	Convolution operators supporting hypercyclic algebras. <i>Journal of Mathematical Analysis and Applications</i> , <b>2017</b> , 445, 1232-1238	1.1	8
69	Chaos for the Hyperbolic Bioheat Equation. <i>Discrete and Continuous Dynamical Systems</i> , <b>2015</b> , 35, 653-668		8
68	Outreach initiatives operated by universities for increasing interest in science and technology. <i>European Journal of Engineering Education</i> , <b>2016</b> , 41, 589-622	1.5	8
67	An Iterative Algorithm for the Management of an Electric Car-Rental Service. <i>Journal of Applied Mathematics</i> , <b>2014</b> , 2014, 1-11	1.1	8
66	Devaney Chaos and Distributional Chaos in the Solution of Certain Partial Differential Equations. <i>Abstract and Applied Analysis</i> , <b>2012</b> , 2012, 1-11	0.7	8
65	Distributionally chaotic families of operators on Fréchet spaces. <i>Communications on Pure and Applied Analysis</i> , <b>2016</b> , 15, 1915-1939	1.9	8
64	Smartphone Sensors for Monitoring Cancer-Related Quality of Life: App Design, EORTC QLQ-C30 Mapping and Feasibility Study in Healthy Subjects. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	7
63	Distributional chaos for the Forward and Backward Control traffic model. <i>Linear Algebra and Its Applications</i> , <b>2015</b> , 479, 202-215	0.9	7
62	Dynamics of the solutions of the water hammer equations. <i>Topology and Its Applications</i> , <b>2016</b> , 203, 67-83.4		7
61	Linear dynamics of semigroups generated by differential operators. <i>Open Mathematics</i> , <b>2017</b> , 15, 745-763.8		7
60	A Game-Theory Method to Design Job Rotation Schedules to Prevent Musculoskeletal Disorders Based on Workers' Preferences and Competencies. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	7
59	Well-posedness for degenerate third order equations with delay and applications to inverse problems. <i>Israel Journal of Mathematics</i> , <b>2019</b> , 229, 219-254	0.8	6
58	Hypercyclic algebras for convolution and composition operators. <i>Journal of Functional Analysis</i> , <b>2018</b> , 274, 2884-2905	1.4	6
57	Estimation of the light field inside photosynthetic microorganism cultures through Mittag-Leffler functions at depleted light conditions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2018</b> , 204, 23-26	2.1	6
56	An algorithm for self-organization of driverless vehicles of a car-rental service. <i>Nonlinear Dynamics</i> , <b>2016</b> , 84, 107-114	5	6
55	New approach for phylogenetic tree recovery based on genome-scale metabolic networks. <i>Journal of Computational Biology</i> , <b>2014</b> , 21, 508-19	1.7	6

54	Age slowing down in detection and visual discrimination under varying presentation times. <i>Scandinavian Journal of Psychology</i> , <b>2017</b> , 58, 304-311	2.2	6
53	Hypercyclic subspaces in omega. <i>Journal of Mathematical Analysis and Applications</i> , <b>2006</b> , 316, 16-23	1.1	6
52	A happiness degree predictor using the conceptual data structure for deep learning architectures. <i>Computer Methods and Programs in Biomedicine</i> , <b>2019</b> , 168, 59-68	6.9	6
51	Highly tempering infinite matrices. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , <b>2018</b> , 112, 341-345	1.6	5
50	Dynamics of multivalued linear operators. <i>Open Mathematics</i> , <b>2017</b> , 15, 948-958	0.8	5
49	Benefits of a dance group intervention on institutionalized elder people: a Bayesian network approach. <i>Applied Mathematics and Nonlinear Sciences</i> , <b>2018</b> , 3, 503-512	4	5
48	Subgrouping Factors Influencing Migraine Intensity in Women: A Semi-automatic Methodology Based on Machine Learning and Information Geometry. <i>Pain Practice</i> , <b>2020</b> , 20, 297-309	3	5
47	Natural visibility graphs for diagnosing attention deficit hyperactivity disorder (ADHD). <i>Electronic Notes in Discrete Mathematics</i> , <b>2016</b> , 54, 337-342	0.3	5
46	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. <i>Sensors</i> , <b>2018</b> , 18,	3.8	5
45	Temporal variability analysis reveals biases in electronic health records due to hospital process reengineering interventions over seven years. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220369	3.7	4
44	Dynamics on Binary Relations over Topological Spaces. <i>Symmetry</i> , <b>2018</b> , 10, 211	2.7	4
43	When the Identity Theorem Seems to Fail. <i>American Mathematical Monthly</i> , <b>2014</b> , 121, 60	0.3	4
42	Determinación de componentes conexas en el análisis de zonas homogéneas y de detalle en imágenes a color. <i>Modelling in Science Education and Learning</i> , <b>2018</b> , 11, 5	0.1	4
41	Detection of Adjacent and Non-Adjacent Bar Breakages in Induction Motors Based on Power Spectral Subtraction and Second Order Statistics of Sound Signals. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6641	2.6	4
40	Detection of Bar Breakages in Induction Motor via Spectral Subtraction of Stray Flux Signals <b>2018</b> ,		4
39	Chaotic asymptotic behaviour of the solutions of the Lighthill-Whitham-Richards equation. <i>Nonlinear Dynamics</i> , <b>2016</b> , 84, 127-133	5	3
38	Linear chaos for the Quick-Thinking-Driver model. <i>Semigroup Forum</i> , <b>2016</b> , 92, 486-493	0.5	3
37	Visibility graphs of fractional Wu-Baleanu time series. <i>Journal of Difference Equations and Applications</i> , <b>2019</b> , 25, 1321-1331	1	3

36	Power-Law Distribution of Natural Visibility Graphs from Reaction Times Series. <i>Symmetry</i> , <b>2019</b> , 11, 563	2.7	3
35	[S]-linear and convex structures in function families. <i>Linear Algebra and Its Applications</i> , <b>2019</b> , 579, 463-483		3
34	A Tree-Based Model for Setting Optimal Train Fare Zones. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-11	1.1	3
33	Chaotic differential operators. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , <b>2011</b> , 105, 423-431	1.6	3
32	Bispectrum Analysis of Stray Flux Signals for the Robust Detection of Winding Asymmetries in Wound Rotor Induction Motors <b>2020</b> ,		3
31	Use of Receiver Operating Characteristic Curve to Evaluate a Street Lighting Control System. <i>IEEE Access</i> , <b>2021</b> , 9, 144660-144675	3.5	3
30	A User-Centered Chatbot (Wakamola) to Collect Linked Data in Population Networks to Support Studies of Overweight and Obesity Causes: Design and Pilot Study. <i>JMIR Medical Informatics</i> , <b>2021</b> , 9, e17503	3.6	3
29	Open Data Science to Fight COVID-19: Winning the 500k XPRIZE Pandemic Response Challenge. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 384-399	0.9	3
28	Large scale evaluation of differences between network-based and pairwise sequence-alignment-based methods of dendrogram reconstruction. <i>PLoS ONE</i> , <b>2019</b> , 14, e0221631	3.7	2
27	Divisibility Patterns within Pascal Divisibility Networks. <i>Mathematics</i> , <b>2020</b> , 8, 254	2.3	2
26	An Extension of Hypercyclicity for N-Linear Operators. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-11	0.7	2
25	Zipf's and Benford's laws in Twitter hashtags <b>2017</b> ,		2
24	Mathematical modeling and numerical simulation of heat dissipation in led bulbs. <i>Thermal Science</i> , <b>2020</b> , 24, 1877-1884	1.2	2
23	Shock wave formation in compliant arteries. <i>Evolution Equations and Control Theory</i> , <b>2019</b> , 8, 221-230	2	2
22	The Praktikum UPV Campus: Stretching closer ties between research at the university and students in secondary school. <i>WPOM: Working Papers on Operations Management</i> , <b>2015</b> , 6, 64	0.9	2
21	Divisibility Networks of the Rational Numbers in the Unit Interval. <i>Symmetry</i> , <b>2020</b> , 12, 1879	2.7	2
20	Graph-based methods for simultaneous smoothing and sharpening of color images. <i>Journal of Computational and Applied Mathematics</i> , <b>2019</b> , 350, 380-395	2.4	2
19	Sets of periods for chaotic linear operators. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , <b>2021</b> , 115, 1	1.6	2

18	Corrected Evolutive Kendall's Coefficients for Incomplete Rankings with Ties: Application to Case of Spotify Lists. <i>Mathematics</i> , <b>2020</b> , 8, 1828	2.3	1
17	Community detection-based deep neural network architectures: A fully automated framework based on Likert-scale data. <i>Mathematical Methods in the Applied Sciences</i> , <b>2020</b> , 43, 8290-8301	2.3	1
16	Teleochips: Promoting Telecommunications and Electronic Engineering Among Young Students. <i>Revista Iberoamericana De Tecnologias Del Aprendizaje</i> , <b>2016</b> , 11, 63-70	1.2	1
15	Chaotic semigroups from second order partial differential equations. <i>Journal of Mathematical Analysis and Applications</i> , <b>2017</b> , 456, 402-411	1.1	1
14	PATU: A mentoring program for freshmen <b>2011</b> ,		1
13	On the universality of multipliers on . <i>Journal of Approximation Theory</i> , <b>2010</b> , 162, 1025-1032	0.9	1
12	A system to monitor and model the thermal isolation of coating compounds applied to closed spaces. <i>Thermal Science</i> , <b>2020</b> , 24, 1885-1892	1.2	1
11	Two-Dimensional Compact-Finite-Difference Schemes for Solving the bi-Laplacian Operator with Homogeneous Wall-Normal Derivatives. <i>Mathematics</i> , <b>2021</b> , 9, 2508	2.3	1
10	Rational Design of a Genetic Finite State Machine: Combining Biology, Engineering, and Mathematics for Bio-Computer Research. <i>Mathematics</i> , <b>2020</b> , 8, 1362	2.3	1
9	How the Wakamola chatbot studied a university community's lifestyle during the COVID-19 confinement. <i>Health Informatics Journal</i> , <b>2021</b> , 27, 14604582211017944	3	1
8	A user-centered chatbot to identify and interconnect individual, social and environmental risk factors related to overweight and obesity. <i>Informatics for Health and Social Care</i> , <b>2021</b> , 1-15	2.7	1
7	Reversible Self-Replication of Spatiotemporal Kerr Cavity Patterns. <i>Physical Review Letters</i> , <b>2021</b> , 126, 063903	7.4	1
6	Automatic Classification of Winding Asymmetries in Wound Rotor Induction Motors based on Bicoherence and Fuzzy C-Means Algorithms of Stray Flux Signals. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
5	Subphenotyping of COVID-19 patients at pre-admission towards anticipated severity stratification: an analysis of 778 692 Mexican patients through an age-sex unbiased meta-clustering technique.. <i>JMIR Public Health and Surveillance</i> , <b>2022</b> ,	11.4	1
4	On the existence of chaos for the viscous van Wijngaarden-Bringen equation. <i>Chaos, Solitons and Fractals</i> , <b>2016</b> , 89, 100-104	9.3	0
3	Isomorphic copies of $\mathbb{R}$ for m-homogeneous non-analytic Bohnenblust-Hille polynomials. <i>Mathematische Nachrichten</i> , <b>2017</b> , 290, 218-225	0.8	0
2	Graphs based methods for simultaneous smoothing and sharpening. <i>MethodsX</i> , <b>2020</b> , 7, 100819	1.9	
1	An Analysis of the Influence of Graph Theory When Preparing for Programming Contests. <i>Mathematics</i> , <b>2017</b> , 5, 8	2.3	

