Antnio M Lopes

List of Publications by Citations

188 papers	2,697 citations	28 h-index	43 g-index
221 ext. papers	3,356 ext. citations	3 avg, IF	6.08 L-index

#	Paper	IF	Citations
188	The role of fractional calculus in modeling biological phenomena: A review. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 51, 141-159	3.7	290
187	A review of power laws in real life phenomena. *Communications in Nonlinear Science and Numerical Simulation*, **2012**, 17, 3558-3578	3.7	96
186	Effect of Cure Temperature on the Glass Transition Temperature and Mechanical Properties of Epoxy Adhesives **2014**, 90, 104-119		88
185	Fractional Order Control of a Hexapod Robot. *Nonlinear Dynamics*, **2004**, 38, 417-433	5	82
184	A Remote Laboratory in Engineering Measurement. *IEEE Transactions on Industrial Electronics*, **2009**, 56, 4836-4843	8.9	80
183	Stability and synchronization of fractional-order memristive neural networks with multiple delays. *Neural Networks*, **2017**, 94, 76-85	9.1	68
182	Fractional State Space Analysis of Economic Systems. *Entropy*, **2015**, 17, 5402-5421	2.8	67
181	A force□mpedance controlled industrial robot using an active robotic auxiliary device. *Robotics and Computer-Integrated Manufacturing*, **2008**, 24, 299-309	9.2	60
180	Effect of post-cure on the glass transition temperature and mechanical properties of epoxy adhesives. *Journal of Adhesion Science and Technology*, **2013**, 27, 2542-2557	2	59
179	A new type haptics-based virtual environment system for assembly training of complex products. *International Journal of Advanced Manufacturing Technology*, **2012**, 58, 379-396	3.2	51
178	Analysis of temperature time-series: Embedding dynamics into the MDS method. *Communications in Nonlinear Science and Numerical Simulation*, **2014**, 19, 851-871	3.7	48
177	Fractional dynamics and MDS visualization of earthquake phenomena. *Computers and Mathematics With Applications*, **2013**, 66, 647-658	2.7	43
176	Dynamic modeling of a Stewart platform using the generalized momentum approach. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 3389-3401	3.7	41
175	Fractional order models of leaves. *JVC/Journal of Vibration and Control*, **2014**, 20, 998-1008	2	40
174	Experimental results with a variable geometry ejector using R600a as working fluid. *International Journal of Refrigeration*, **2014**, 46, 77-85	3.8	38
173	The Persistence of Memory. *Nonlinear Dynamics*, **2015**, 79, 63-82	5	37
172	Delay-dependent criterion for asymptotic stability of a class of fractional-order memristive neural networks with time-varying delays. *Neural Networks*, **2019**, 118, 289-299	9.1	37

171	Analysis and Visualization of Seismic Data Using Mutual Information. *Entropy*, **2013**, 15, 3892-3909	2.8	37
170	Relative fractional dynamics of stock markets. *Nonlinear Dynamics*, **2016**, 86, 1613-1619	5	37
169	Multidimensional Scaling Visualization Using Parametric Similarity Indices. *Entropy*, **2015**, 17, 1775-1794	2.8	35
168	Modelling and simulation of artificial locomotion systems. *Robotica*, **2005**, 23, 595-606	2.1	34
167	Rare and extreme events: the case of COVID-19 pandemic. *Nonlinear Dynamics*, **2020**, 100, 1-20	5	33
166	Integer and fractional-order entropy analysis of earthquake data series. *Nonlinear Dynamics*, **2016**, 84, 79-90	5	33
165	Analysis of Natural and Artificial Phenomena Using Signal Processing and Fractional Calculus. *Fractional Calculus and Applied Analysis*, **2015**, 18, 459-478	2.7	32
164	Shifted Jacobi Gauss-collocation with convergence analysis for fractional integro-differential equations. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 72, 342-359	3.7	30
163	Design and implementation of grid multi-scroll fractional-order chaotic attractors. *Chaos*, **2016**, 26, 084303	3.3	29
162	Rhapsody in fractional. *Fractional Calculus and Applied Analysis*, **2014**, 17, 1188-1214	2.7	28
161	Virtual reality and haptics for dental surgery: a personal review. *Visual Computer*, **2013**, 29, 433-447	2.3	28
160	Fractional-Order Devices. *SpringerBriefs in Applied Sciences and Technology*, **2017**,	0.4	27
159	Modeling vegetable fractals by means of fractional-order equations. *JVC/Journal of Vibration and Control*, **2016**, 22, 2100-2108	2	26
158	A review of virtual reality and haptics for product assembly (part 1): rigid parts. *Assembly Automation*, **2013**, 33, 68-77	2.1	25
157	A novel color image encryption algorithm based on a fractional-order discrete chaotic neural network and DNA sequence operations. *Frontiers of Information Technology and Electronic Engineering*, **2020**, 21, 866-879	2.2	24
156	Computational scheme for solving nonlinear fractional stochastic differential equations with delay. *Stochastic Analysis and Applications*, **2019**, 37, 893-908	1.1	22
155	Jacobi Collocation Approximation for Solving Multi-dimensional Volterra Integral Equations. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2017**, 18, 411-425	1.8	21
154	Fractional-order modeling of a diode. *Communications in Nonlinear Science and Numerical Simulation* , **2019**, 70, 343-353	3.7	21

153	Milk Characterization Using Electrical Impedance Spectroscopy and Fractional Models. *Food Analytical Methods*, **2018**, 11, 901-912	3.4	20
152	A fractional perspective on the trajectory control of redundant and hyper-redundant robot manipulators. *Applied Mathematical Modelling*, **2017**, 46, 716-726	4.5	19
151	Robust asymptotic stability of interval fractional-order nonlinear systems with time-delay. *Journal of the Franklin Institute*, **2018**, 355, 7749-7763	4	19
150	Generation of a family of fractional order hyper-chaotic multi-scroll attractors. *Chaos, Solitons and Fractals*, **2017**, 105, 244-255	9.3	19
149	Numerical solution of mixed-type fractional functional differential equations using modified Lucas polynomials. *Computational and Applied Mathematics*, **2019**, 38, 1	2.4	18
148	Fractional Jensen–Shannon Analysis of the Scientific Output of Researchers in Fractional Calculus. *Entropy*, **2017**, 19, 127	2.8	18
147	A review of virtual reality and haptics for product assembly: from rigid parts to soft cables. *Assembly Automation*, **2013**, 33, 157-164	2.1	18
146	Design and implementation of a haptic-based virtual assembly system. *Assembly Automation*, **2011**, 31, 369-384	2.1	18
145	The generalized momentum approach to the dynamic modeling of a 6-dof parallel manipulator. *Multibody System Dynamics*, **2009**, 21, 123-146	2.8	18
144	Shifted fractional Jacobi collocation method for solving fractional functional differential equations of variable order. *Chaos, Solitons and Fractals*, **2020**, 134, 109721	9.3	17
143	Stabilization of Uncertain Multi-Order Fractional Systems Based on the Extended State Observer. *Asian Journal of Control*, **2018**, 20, 1263-1273	1.7	17
142	Multidimensional scaling analysis of virus diseases. *Computer Methods and Programs in Biomedicine*, **2016**, 131, 97-110	6.9	17
141	Artistic painting: A fractional calculus perspective. *Applied Mathematical Modelling*, **2019**, 65, 614-626	4.5	17
140	A review of structural health monitoring of bonded structures using electromechanical impedance spectroscopy. *Structural Health Monitoring*,147592172199341	4.4	17
139	Entropy Analysis of Soccer Dynamics. *Entropy*, **2019**, 21,	2.8	16
138	Multidimensional scaling locus of memristor and fractional order elements. *Journal of Advanced Research*, **2020**, 25, 147-157	13	16
137	Fractional State Space Analysis of Temperature Time Series. *Fractional Calculus and Applied Analysis* , **2015**, 18, 1518-1536	2.7	16
136	Improved Decentralized Fractional PD Control of Structure Vibrations. *Mathematics*, **2020**, 8, 326	2.3	16

135	A review on the characterization of signals and systems by power law distributions. *Signal Processing*, **2015**, 107, 246-253	4.4	15
134	Multidimensional scaling analysis of soccer dynamics. *Applied Mathematical Modelling*, **2017**, 45, 642-652	4.5	14
133	On spectral methods for solving variable-order fractional integro-differential equations. *Computational and Applied Mathematics*, **2018**, 37, 3937-3950		14
132	Multidimensional scaling and visualization of patterns in prime numbers. *Communications in Nonlinear Science and Numerical Simulation*, **2020**, 83, 105128	3.7	14
131	Analysis of global terrorism dynamics by means of entropy and state space portrait. *Nonlinear Dynamics*, **2016**, 85, 1547-1560	5	14
130	Double power laws, fractals and self-similarity. *Applied Mathematical Modelling*, **2014**, 38, 4019-4026	4.5	13
129	Optimization of the Workpiece Location in a Machining Robotic Cell. *International Journal of Advanced Robotic Systems*, **2011**, 8, 73	1.4	13
128	Shifted fractional Jacobi spectral algorithm for solving distributed order time-fractional reaction□diffusion equations. *Computational and Applied Mathematics*, **2019**, 38, 1	2.4	12
127	On the fractional-order modeling of wine. *European Food Research and Technology*, **2017**, 243, 921-929	3.4	12
126	Sufficient conditions for existence and uniqueness of fractional stochastic delay differential equations. *Stochastics*, **2020**, 92, 379-396	0.6	12
125	Fractional R□yi entropy?. *European Physical Journal Plus*, **2019**, 134, 1	3.1	11
124	A space□time spectral approximation for solving nonlinear variable-order fractional sine and Klein□Gordon differential equations. *Computational and Applied Mathematics*, **2018**, 37, 6212-6229		11
123	Comparison of Fractional and Integer Order Control of an Hexapod Robot **2003**, 667		11
122	Dynamics of Commodities Prices: Integer and Fractional Models. *Fundamenta Informaticae*, **2017**, 151, 389-408	1	10
121	Dynamic analysis of earthquake phenomena by means of pseudo phase plane. *Nonlinear Dynamics*, **2013**, 74, 1191-1202	5	10
120	Multidimensional Scaling Visualization Using Parametric Entropy. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1540017	2	10
119	Electrochemical impedance spectroscopy characterization of beverages. *Food Chemistry*, **2020**, 302, 125345	5.5	10
118	Atrial Rotor Dynamics Under Complex Fractional Order Diffusion. *Frontiers in Physiology*, **2018**, 9, 975	4.6	10

117	A Review of Fractional Order Entropies. *Entropy*, **2020**, 22,	2.8	9
116	Acceleration-based force-impedance control of a six-dof parallel manipulator. *Industrial Robot*, **2007**, 34, 386-399	1.4	9
115	Entropy Analysis of a Railway Network Complexity. *Entropy*, **2016**, 18, 388	2.8	9
114	A computational approach for the non-smooth solution of non-linear weakly singular Volterra integral equation with proportional delay. *Numerical Algorithms*, **2020**, 83, 987-1006	2.1	9
113	Fractional-order modelling of epoxy resin. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2020**, 378, 20190292	3	8
112	Root Locus Practical Sketching Rules for Fractional-Order Systems. *Abstract and Applied Analysis*, **2013**, 2013, 1-14	0.7	8
111	Dynamical Analysis of the Global Warming. *Mathematical Problems in Engineering*, **2012**, 2012, 1-12	1.1	8
110	Variable coefficient fractional-order PID controller and its application to a SEPIC device. *IET Control Theory and Applications*, **2020**, 14, 900-908	2.5	8
109	Structural health monitoring of adhesive joints using Lamb waves: A review. *Structural Control and Health Monitoring*,e2849	4.5	8
108	On the mathematical modeling of soccer dynamics. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 53, 142-153	3.7	7
107	Analysis and implementation of a force control strategy for drilling operations with an industrial robot. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 4749-4756	2	7
106	Design of fractional-order hyper-chaotic multi-scroll systems based on hysteresis series. *European Physical Journal: Special Topics*, **2017**, 226, 3775-3789	2.3	7
105	Multidimensional scaling visualization of earthquake phenomena. *Journal of Seismology*, **2014**, 18, 163-179	1.5	7
104	Power Law and Entropy Analysis of Catastrophic Phenomena. *Mathematical Problems in Engineering* , **2013**, 2013, 1-10	1.1	7
103	Complete dynamic modelling of a moving base 6-dof parallel manipulator. *Robotica*, **2010**, 28, 781-793	2.1	7
102	Optimization of Parallel Manipulators Using Evolutionary Algorithms. *Advances in Intelligent and Soft Computing*, **2010**, 79-86		7
101	Output-feedback-guaranteed cost control of fractional-order uncertain linear delayed systems. *Computational and Applied Mathematics*, **2020**, 39, 1	2.4	7
100	Empirical Laws and Foreseeing the Future of Technological Progress. *Entropy*, **2016**, 18, 217	2.8	7

99	How Many Fractional Derivatives Are There?. *Mathematics*, **2022**, 10, 737	2.3	7
98	Ranking the scientific output of researchers in fractional calculus. *Fractional Calculus and Applied Analysis*, **2019**, 22, 11-26	2.7	6
97	A COMPLEX ORDER MODEL OF ATRIAL ELECTRICAL PROPAGATION FROM FRACTAL POROUS CELL MEMBRANE. *Fractals*, **2020**, 28, 2050106	3.2	6
96	State space analysis of forest fires. *JVC/Journal of Vibration and Control*, **2016**, 22, 2153-2164	2	6
95	Complexity Analysis of Global Temperature Time Series. *Entropy*, **2018**, 20,	2.8	6
94	How Hydrogen Dielectric Strength Forces the Work Voltage in the Electric Discharge Machining. *Micromachines*, **2018**, 9,	3.3	6
93	On the Numerical Computation of the Mittag□effler Function. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2019**, 20, 725-736	1.8	6
92	Robotics virtual lab based on off-line robot programming software **2013**,		6
91	Dynamical behaviour of multi-particle large-scale systems. *Nonlinear Dynamics*, **2012**, 69, 913-925	5	6
90	Design of a Parallel Robotic Manipulator Using Evolutionary Computing. *International Journal of Advanced Robotic Systems*, **2012**, 9, 27	1.4	6
89	Towards fractional sensors. *JVC/Journal of Vibration and Control*, **2019**, 25, 52-60	2	6
88	A variable-order fractional proportional-integral controller and its application to a permanent magnet synchronous motor. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 3247-3254	6.1	5
87	Fractional Dynamics and Pseudo-Phase Space of Country Economic Processes. *Mathematics*, **2020**, 8, 81	2.3	5
86	A fractional perspective to the modelling of Lisbon□ public transportation network. *Transportation*, **2019**, 46, 1893-1913	4	5
85	Development of a Drop Weight Machine for Adhesive Joint Testing. *Journal of Testing and Evaluation*, **2021**, 49, 20190147	1	5
84	Solved Problems in Dynamical Systems and Control **2016**,		5
83	Time-fractional dependence of the shear force in some beam type problems with negative Young modulus. *Applied Mathematical Modelling*, **2020**, 80, 668-682	4.5	5
82	Numerical assessment of strain rate in an adhesive layer throughout double cantilever beam and end notch flexure tests. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, **2020**, 234, 415-425	1.5	5

81	Multidimensional scaling analysis of generalized mean discrete-time fractional order controllers. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 95, 105657	3.7	5
80	Nonlinear Differential Equations with Distributed Delay: Some New Oscillatory Solutions. *Mathematics*, **2022**, 10, 995	2.3	5
79	On the computation of the multidimensional Mittag-Leffler function. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 53, 278-287	3.7	4
78	A computational perspective of the periodic table of elements. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 78, 104883	3.7	4
77	Power Law Behavior and Self-Similarity in Modern Industrial Accidents. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550004	2	4
76	Highly accurate technique for solving distributed-order time-fractional-sub-diffusion equations of fourth order. *Computational and Applied Mathematics*, **2020**, 39, 1	2.4	4
75	Dynamical analysis of the global business-cycle synchronization. *PLoS ONE*, **2018**, 13, e0191491	3.7	4
74	Haptic System for Determining the Young Modulus of Materials. *International Journal of Online and Biomedical Engineering*, **2013**, 9, 68	0.8	4
73	Dynamic analysis and pattern visualization of forest fires. *PLoS ONE*, **2014**, 9, e105465	3.7	4
72	MaxiMin MOPSO Design of Parallel Robotic Manipulators. *Advances in Intelligent and Soft Computing*, **2011**, 339-347		4
71	Discrete-time generalized mean fractional order controllers. *IFAC-PapersOnLine*, **2018**, 51, 43-47	0.7	4
70	State of Charge Estimation of Lithium-Ion Batteries Based on Fuzzy Fractional-Order Unscented Kalman Filter. *Fractal and Fractional*, **2021**, 5, 91	3	4
69	Fractional Dynamics in Soccer Leagues. *Symmetry*, **2020**, 12, 356	2.7	3
68	Tidal Analysis Using Time–Frequency Signal Processing and Information Clustering. *Entropy*, **2017**, 19, 390	2.8	3
67	Entropy Analysis of Industrial Accident Data Series. *Journal of Computational and Nonlinear Dynamics*, **2016**, 11,	1.4	3
66	On the Complexity Analysis and Visualization of Musical Information. *Entropy*, **2019**, 21,	2.8	3
65	Visualizing control systems performance: A fractional perspective. *Advances in Mechanical Engineering*, **2015**, 7, 168781401561983	1.2	3
64	Adding tactile information to remote & virtual labs **2011**,		3

63	Acceleration Based Force-Impedance Control of a 6-dof Parallel Robotic Manipulator **2006**,		3
62	Performance analysis of multi-legged systems		3
61	Analysis of a rectangular prism n-units RLC fractional-order circuit network. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 3091-3104	6.1	3
60	Application of Fractional Techniques in the Analysis of Forest Fires. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2016**, 17, 381-390	1.8	3
59	Continuous-time fractional linear systems: steady-state responses **2019**, 149-174		3
58	Computational Comparison and Visualization of Viruses in the Perspective of Clinical Information. *Interdisciplinary Sciences, Computational Life Sciences*, **2019**, 11, 86-94	3.5	3
57	Spontaneous activation under atrial fibrosis: A model using complex order derivatives. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 95, 105618	3.7	3
56	Guaranteed Cost Leaderless Consensus Protocol Design for Fractional-Order Uncertain Multi-Agent Systems with State and Input Delays. *Fractal and Fractional*, **2021**, 5, 141	3	3
55	Dynamics of the N-link pendulum: a fractional perspective. *International Journal of Control*, **2017**, 90, 1192-1200	1.5	2
54	Computational Analysis of the U.S. Forest Fires. *Journal of Computational and Nonlinear Dynamics*, **2017**, 12,	1.4	2
53	Introduction to Fractional-Order Elements and Devices. *SpringerBriefs in Applied Sciences and Technology*, **2017**, 1-20	0.4	2
52	Devices. *SpringerBriefs in Applied Sciences and Technology*, **2017**, 21-53	0.4	2
51	Fractional-Order Models of Vegetable Tissues. *SpringerBriefs in Applied Sciences and Technology*, **2017**, 73-92	0.4	2
50	The Lorentz transformations and one observation in the perspective of fractional calculus. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 78, 104855	3.7	2
49	The N -link pendulum: Embedding nonlinear dynamics into the multidimensional scaling method. *Chaos, Solitons and Fractals*, **2016**, 89, 130-138	9.3	2
48	Virtual experiment for teaching robot programming **2014**,		2
47	Temperature time series: Pattern analysis and forecasting **2017**,		2
46	Experiments with a Virtual Lab for Industrial Robots Programming. *International Journal of Online and Biomedical Engineering*, **2015**, 11, 10	0.8	2

45	Analysis of Forest Fires by means of Pseudo Phase Plane and Multidimensional Scaling Methods. *Mathematical Problems in Engineering*, **2014**, 2014, 1-8	1.1	2
44	Cut and Suture Support on Volumetric Models in the CyberMed Framework. *Procedia Technology*, **2012**, 5, 771-776		2
43	Feeling Young modulus of materials **2012**,		2
42	Gait selection for quadruped and hexapod walking systems		2
41	POWER ANALYSIS OF MULTI-LEGGED SYSTEMS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2002**, 35, 287-292		2
40	Dynamical analysis and visualization of tornadoes time series. *PLoS ONE*, **2015**, 10, e0120260	3.7	2
39	Fractional-Order Sensing and Control: Embedding the Nonlinear Dynamics of Robot Manipulators into the Multidimensional Scaling Method. *Sensors*, **2021**, 21,	3.8	2
38	Fractional-Order Model of Wine. *Understanding Complex Systems*, **2018**, 191-203	0.4	2
37	Dynamical Analysis of the Dow Jones Index Using Dimensionality Reduction and Visualization. *Entropy*, **2021**, 23,	2.8	2
36	Uniform Manifold Approximation and Projection Analysis of Soccer Players. *Entropy*, **2021**, 23,	2.8	2
35	Shifted fractional Legendre spectral collocation technique for solving fractional stochastic Volterra integro-differential equations. *Engineering With Computers*,1	4.5	2
34	Shifted Fractional-Order Jacobi Collocation Method for Solving Variable-Order Fractional Integro-Differential Equation with Weakly Singular Kernel. *Fractal and Fractional*, **2022**, 6, 19	3	2
33	Synchronization of Incommensurate Fractional-Order Chaotic Systems Based on Linear Feedback Control. *Fractal and Fractional*, **2022**, 6, 221	3	2
32	Complexity Analysis of Escher's Art. *Entropy*, **2019**, 21,	2.8	1
31	Approximation of data using non-integer harmonics series. *Nonlinear Dynamics*, **2017**, 89, 2845-2854	5	1
30	Integer vs. Fractional Order Control of a Hexapod Robot **2005**, 73-83		1
29	State-of-Charge Estimation of Lithium-Ion Batteries Based on Fractional-Order Square-Root Unscented Kalman Filter. *Fractal and Fractional*, **2022**, 6, 52	3	1
28	Analysis and pattern identification on smart sensors data **2017**,		1

27	Overview in Summabilities: Summation Methods for Divergent Series, Ramanujan Summation and Fractional Finite Sums. *Mathematics*, **2021**, 9, 2963	2.3	1
26	Optimal Location of the Workpiece in a PKM-Based Machining Robotic Cell1500-1515		1
25	Haptic Guidance in a Collaborative Robotic System. *Communications in Computer and Information Science*, **2013**, 101-112	0.3	1
24	On Fractional-Order Characteristics of Vegetable Tissues and Edible Drinks. *Springer Proceedings in Mathematics and Statistics*, **2019**, 19-35	0.2	1
23	Computer Analysis of Human Belligerency. *Mathematics*, **2020**, 8, 1201	2.3	1
22	Development of a Split Hopkinson Pressure Bar Machine for High Strain Rate Testing of Bonded Joints. *Journal of Testing and Evaluation*, **2022**, 50, 20200677	1	1
21	Correlating entrance data and first year academic performance of students enrolled in the Integrated Master in Mechanical Engineering at the University of Porto. *International Journal of Mechanical Engineering Education*,030641902110156	0.6	1
20	Assessing the Effect of Laboratory Activities on Core Curricular Units of an Engineering Master Program: A Multivariate Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-13	1.1	1
19	Modeling and visualizing competitiveness in soccer leagues. *Applied Mathematical Modelling*, **2021**, 92, 136-148	4.5	1
18	Effect of mechanical properties and geometric dimensions on electromechanical impedance signatures for adhesive joint integrity monitoring. *Mechanics of Advanced Materials and Structures*,1-16	1.8	1
17	Multidimensional scaling and visualization of patterns in global large-scale accidents. *Chaos, Solitons and Fractals*, **2022**, 157, 111951	9.3	1
16	Feature extraction and visualization for damage detection on adhesive joints, utilizing lamb waves and supervised machine learning algorithms. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*,095440622210864	1.3	1
15	Fractional-order shifted Legendre collocation method for solving non-linear variable-order fractional Fredholm integro-differential equations. *Computational and Applied Mathematics*, **2022**, 41, 1	2.4	0
14	Entropy analysis of human death uncertainty. *Nonlinear Dynamics*, **2021**, 104, 1-15	5	0
13	Fractional-order kinematic analysis of biomechanical inspired manipulators. *JVC/Journal of Vibration and Control*, **2020**, 26, 102-111	2	0
12	Adaptive state-of-charge estimation of lithium-ion batteries based on square-root unscented Kalman filter. *Energy*, **2022**, 123972	7.9	0
11	Revisiting the Formula for the Ramanujan Constant of a Series. *Mathematics*, **2022**, 10, 1539	2.3	0
10	Stability and stabilization of fractional-order uncertain nonlinear systems with multi-order. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1	3.5	0

9	Computational comparison and pattern visualization of forest fires. *Chaos, Solitons and Fractals*, **2017**, 102, 407-413	9.3
8	Demonstrations and Applications of Fractional-Order Devices. *SpringerBriefs in Applied Sciences and Technology*, **2017**, 55-72	0.4
7	Temporal Patterns in Earthquake Data-series **2015**, 50-60	
6	Single-Objective Spreading Algorithm. *Intelligent Systems, Control and Automation: Science and Engineering*, **2013**, 131-142	0.6
5	Complete Dynamic Modeling of a Stewart Platform Using the Generalized Momentum Approach **2011**, 199-210	
4	Optimal Location of the Workpiece in a PKM-based Machining Robotic Cell223-236	
3	WIMAX/802.16 BROADBAND WIRELESS NETWORKS **2010**, 79-111	
2	Efficient Dynamic Modeling of a Hexa-Type Parallel Manipulator **2012**, 335-348	
1	Casualties Distribution in Human and Natural Hazards **2014**, 173-180	