SSAskar

List of Publications by Year in descending order

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120	1,385	361045	476904
papers	citations	20	29
		h-index	g-index

121	121	121	656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of information and communication technologies in mitigating carbon emissions: evidence from panel quantile regression. Environmental Science and Pollution Research, 2021, 28, 21065-21084.	2.7	92
2	Complex dynamic properties of Cournot duopoly games with convex and log-concave demand function. Operations Research Letters, 2014, 42, 85-90.	0.5	51
3	An Algorithm of Image Encryption Using Logistic and Two-Dimensional Chaotic Economic Maps. Entropy, 2019, 21, 44.	1.1	49
4	The rise of complex phenomena in Cournot duopoly games due to demand functions without inflection points. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 1918-1925.	1.7	47
5	On complex dynamics of monopoly market. Economic Modelling, 2013, 31, 586-589.	1.8	43
6	On Cournotâ€“Bertrand competition with differentiated products. Annals of Operations Research, 2014, 223, 81-93.	2.6	39
7	Tripoly Stackelberg game model: One leader versus two followers. Applied Mathematics and Computation, 2018, 328, 301-311.	1.4	38
8	Nonlinear oligopolistic game with isoelastic demand function: Rationality and local monopolistic approximation. Chaos, Solitons and Fractals, 2016, 84, 15-22.	2.5	36
9	Image Encryption Algorithm Based on Chaotic Economic Model. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	32
10	Progress in nuclear energy with carbon pricing to achieve environmental sustainability agenda: on the edge of oneâ€™s seat. Environmental Science and Pollution Research, 2021, 28, 34328-34343.	2.7	32
11	Cryptographic algorithm based on pixel shuffling and dynamical chaotic economic map. IET Image Processing, 2018, 12, 158-167.	1.4	31
12	Dynamic investigations in a duopoly game with price competition based on relative profit and profit maximization. Journal of Computational and Applied Mathematics, 2020, 367, 112464.	1.1	30
13	On multi-team games. Physica A: Statistical Mechanics and Its Applications, 2006, 369, 809-816.	1.2	29
14	Financial development during COVID-19 pandemic: the role of coronavirus testing and functional labs. Financial Innovation, 2021, 7, 9.	3.6	26
15	Analysis of Nonlinear Duopoly Games with Product Differentiation: Stability, Global Dynamics, and Control. Discrete Dynamics in Nature and Society, 2017, 2017, 1-13.	0.5	24
16	Quantity and price competition in a differentiated triopoly: static and dynamic investigations. Nonlinear Dynamics, 2018, 91, 1963-1975.	2.7	24
17	Dynamic Cournot duopoly games with nonlinear demand function. Applied Mathematics and Computation, 2015, 259, 427-437.	1.4	22
18	Modified Flower Pollination Algorithm for Global Optimization. Mathematics, 2021, 9, 1661.	1.1	22

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19	Numerical exploration of thin film flow of MHD pseudo-plastic fluid in fractional space: Utilization of fractional calculus approach. Open Physics, 2021, 19, 710-721.	0.8	22
20	The dynamics of economic games based on product differentiation. Journal of Computational and Applied Mathematics, 2014, 268, 135-144.	1.1	21
21	On dynamical multi-team Cournot game in exploitation of a renewable resource. Chaos, Solitons and Fractals, 2007, 32, 264-268.	2.5	20
22	On complex dynamics of Cournot-Bertrand game with asymmetric market information. Applied Mathematics and Computation, 2021, 393, 125823.	1.4	19
23	A fractional order SITR mathematical model for forecasting of transmission of COVID-19 of India with lockdown effect. Results in Physics, 2021, 24, 104067.	2.0	19
24	The impact of cost uncertainty on Cournot oligopoly game with concave demand function. Applied Mathematics and Computation, 2014, 232, 144-149.	1.4	18
25	The arising of cooperation in Cournot duopoly games. Applied Mathematics and Computation, 2016, 273, 535-542.	1.4	18
26	Parameters Identification of PV Triple-Diode Model Using Improved Generalized Normal Distribution Algorithm. Mathematics, 2021, 9, 995.	1.1	18
27	Analytical Study of Two Nonlinear Coupled Hybrid Systems Involving Generalized Hilfer Fractional Operators. Fractal and Fractional, 2021, 5, 178.	1.6	18
28	The impact of cost uncertainty on Cournot oligopoly games. Applied Mathematics and Computation, 2017, 312, 169-176.	1.4	17
29	Computations of synchronisation conditions in some fractional-order chaotic and hyperchaotic systems. Pramana - Journal of Physics, 2019, 92, 1.	0.9	17
30	Refinements of Ostrowski Type Integral Inequalities Involving Atanganaâ€“Baleanu Fractional Integral Operator. Symmetry, 2021, 13, 2059.	1.1	16
31	An inclination in Thermal Energy Using Nanoparticles with Casson Liquid Past an Expanding Porous Surface. Energies, 2021, 14, 7328.	1.6	16
32	Sentimental Analysis of COVID-19 Related Messages in Social Networks by Involving an N-Gram Stacked Autoencoder Integrated in an Ensemble Learning Scheme. Sensors, 2021, 21, 7582.	2.1	15
33	The Impact of Cost Uncertainty on Cournot Duopoly Game with Concave Demand Function. Journal of Applied Mathematics, 2013, 2013, 1-5.	0.4	14
34	Exploration of Complex Dynamics for Cournot Oligopoly Game with Differentiated Products. Complexity, 2018, 2018, 1-13.	0.9	14
35	Duopolistic Stackelberg game: investigation of complex dynamics and chaos control. Operational Research, 2020, 20, 1685-1699.	1.3	14
36	Dynamics, Chaos Control, and Synchronization in a Fractional-Order Samardzija-Greller Population System with Order Lying in (0, 2). Complexity, 2018, 2018, 1-14.	0.9	13

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37	Technowomen: Womenâ€™s Autonomy and Its Impact on Environmental Quality. Sustainability, 2021, 13, 1611.	1.6	13
38	The mediating role of ICTs in the relationship between international tourism and environmental degradation: fit as a fiddle. Environmental Science and Pollution Research, 2021, 28, 63769-63783.	2.7	12
39	Mechanism of Solute and Thermal Characteristics in a Casson Hybrid Nanofluid Based with Ethylene Glycol Influenced by Soret and Dufour Effects. Energies, 2021, 14, 6818.	1.6	12
40	Thermo-Optical Mechanical Waves in a Rotating Solid Semiconductor Sphere Using the Improved Greenâ€“Naghdi III Model. Mathematics, 2021, 9, 2902.	1.1	12
41	On Solving Pentadiagonal Linear Systems via Transformations. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	11
42	Cooperation versus noncooperation: Cournot duopolistic game based on delay and time-dependent parameters. Chaos, Solitons and Fractals, 2016, 91, 580-584.	2.5	11
43	Chaotic Discrete Fractional-Order Food Chain Model and Hybrid Image Encryption Scheme Application. Symmetry, 2021, 13, 161.	1.1	11
44	Efficient Ranking-Based Whale Optimizer for Parameter Extraction of Three-Diode Photovoltaic Model: Analysis and Validations. Energies, 2021, 14, 3729.	1.6	11
45	Thermal visualization of Ostwald-de Waele liquid in wavy trapezoidal cavity: Effect of undulation and amplitude. Case Studies in Thermal Engineering, 2022, 29, 101698.	2.8	11
46	Effects of two-equation turbulence models on the convective instability in finned channel heat exchangers. Case Studies in Thermal Engineering, 2022, 31, 101824.	2.8	11
47	Identifying the Potential Causes, Consequences, and Prevention of Communicable Diseases (Including) Tj ETQq1 1 0.784314 rgBT /Ov	0.9	10
48	Analytical Study on Sodium Alginate Based Hybrid Nanofluid Flow through a Shrinking/Stretching Sheet with Radiation, Heat Source and Inclined Lorentz Force Effects. Fractal and Fractional, 2022, 6, 68.	1.6	10
49	Nationwide Lockdown, Population Density, and Financial Distress Brings Inadequacy to Manage COVID-19: Leading the Services Sector into the Trajectory of Global Depression. Healthcare (Switzerland), 2021, 9, 220.	1.0	9
50	A Local Search-Based Generalized Normal Distribution Algorithm for Permutation Flow Shop Scheduling. Applied Sciences (Switzerland), 2021, 11, 4837.	1.3	9
51	Nonlinearity in the relationship between COVID-19 cases and carbon damages: controlling financial development, green energy, and R&D expenditures for shared prosperity. Environmental Science and Pollution Research, 2022, 29, 5648-5660.	2.7	9
52	Using Non-Fourierâ€™s Heat Flux and Non-Fickâ€™s Mass Flux Theory in the Radiative and Chemically Reactive Flow of Powellâ€“Eyring Fluid. Energies, 2021, 14, 6882.	1.6	9
53	Influence of the induced magnetic field on second-grade nanofluid flow with multiple slip boundary conditions. Waves in Random and Complex Media, 0, , 1-16.	1.6	9
54	Finding Innovative Design Principles for Multiobjective Optimization Problems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 554-559.	3.3	8

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55	The dynamics of a business game: A 2D-piecewise smooth nonlinear map. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122766.	1.2	8
56	Neutral Differential Equations of Fourth-Order: New Asymptotic Properties of Solutions. Axioms, 2022, 11, 52.	0.9	8
57	Qualitative Analysis of Langevin Integro-Fractional Differential Equation under Mittagâ€“Leffler Functions Power Law. Fractal and Fractional, 2021, 5, 266.	1.6	8
58	A variety of dynamic $ alpha $-conformable Steffensen-type inequality on a time scale measure space. AIMS Mathematics, 2022, 7, 11382-11398.	0.7	8
59	First-order optimality conditions and duality results forÂmulti-objective optimisation problems. Annals of Operations Research, 2009, 172, 277-289.	2.6	7
60	Financial development, oil resources, and environmental degradation in pandemic recession: to go down in flames. Environmental Science and Pollution Research, 2021, 28, 61554-61567.	2.7	7
61	Womenâ€™s autonomy and its impact on environmental sustainability agenda. Journal of Environmental Planning and Management, 2022, 65, 1893-1913.	2.4	7
62	A Dynamic Duopoly Model: When a Firm Shares the Market with Certain Profit. Mathematics, 2020, 8, 1826.	1.1	6
63	Does improvement in the environmental sustainability rating help to reduce the COVID-19 cases? Controlling financial development, price level and carbon damages. Environmental Science and Pollution Research, 2021, 28, 49820-49832.	2.7	6
64	Complex dynamics investigations of a mixed Bertrand duopoly game: synchronization and global analysis. Nonlinear Dynamics, 2022, 107, 3983-3999.	2.7	6
65	Efficient Approaches for Solving Systems of Nonlinear Time-Fractional Partial Differential Equations. Fractal and Fractional, 2022, 6, 32.	1.6	6
66	New Results of the Time-Space Fractional Derivatives of Kortewege-De Vries Equations via Novel Analytic Method. Symmetry, 2021, 13, 2296.	1.1	6
67	A Variety of Nabla Hardyâ€™s Type Inequality on Time Scales. Mathematics, 2022, 10, 722.	1.1	6
68	Finding exact solutions for multi-objective optimisation problems using a symbolic algorithm. , 2009, , .		5
69	The Influences of Asymmetric Market Information on the Dynamics of Duopoly Game. Mathematics, 2020, 8, 1132.	1.1	5
70	Design and processor in the loop implementation of an improved control for IM driven solar PV fed water pumping system. Scientific Reports, 2022, 12, 4688.	1.6	5
71	Family of Distributions Derived from Whittaker Function. Mathematics, 2022, 10, 1058.	1.1	5
72	Novel Analysis of Hermiteâ€“Hadamard Type Integral Inequalities via Generalized Exponential Type m-Convex Functions. Mathematics, 2022, 10, 31.	1.1	5

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73	An Intelligent Human Age and Gender Forecasting Framework Using Deep Learning Algorithms. Applied Artificial Intelligence, 2022, 36, .	2.0	5
74	Analysis of a Four-Firm Competition Based on a Generalized Bounded Rationality and Different Mechanisms. Complexity, 2019, 2019, 1-12.	0.9	4
75	Cournot Duopoly Games: Models and Investigations. Mathematics, 2019, 7, 1079.	1.1	4
76	Nonlinear Dynamics of Cournot Duopoly Game: When One Firm Considers Social Welfare. Discrete Dynamics in Nature and Society, 2021, 2021, 1-11.	0.5	4
77	Toward Investigation of the Complex Behavior of a Monopoly Game. Journal of Computational and Theoretical Nanoscience, 2016, 13, 8552-8559.	0.4	4
78	A Remanufacturing Duopoly Game Based on a Piecewise Nonlinear Map: Analysis and Investigations. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 549-561.	0.4	4
79	Dynamic Effects Arise Due to Consumersâ€™ Preferences Depending on Past Choices. Entropy, 2020, 22, 173.	1.1	4
80	Unsteady thermal transport flow of Maxwell clay nanoparticles with generalized Mittag-Leffler kernel of Prabhakar's kind. Case Studies in Thermal Engineering, 2021, 28, 101585.	2.8	4
81	Geometry of Solutions of the Quasi-Vortex Filament Equation in Euclidean 3-Space E3. Mathematics, 2022, 10, 891.	1.1	4
82	Resolutions of the Jerk and Snap Vectors for a Quasi Curve in Euclidean 3-Space. Mathematics, 2021, 9, 3128.	1.1	4
83	A Novel Approach for Cyclic Decompositions of Balanced Complete Bipartite Graphs into Infinite Graph Classes. Journal of Function Spaces, 2022, 2022, 1-12.	0.4	4
84	On complex dynamic investigations of a piecewise smooth nonlinear duopoly game. Chaos, Solitons and Fractals, 2020, 139, 110001.	2.5	3
85	Delay Differential Equations of Fourth-Order: Oscillation and Asymptotic Properties of Solutions. Symmetry, 2021, 13, 2015.	1.1	3
86	Local and Global Dynamics of a Constraint Profit Maximization for Bischiâ€“Naimzada Competition Duopoly Game. Mathematics, 2020, 8, 1458.	1.1	3
87	Local and global analysis of a nonlinear duopoly game with heterogeneous firms. Advances in Difference Equations, 2020, 2020, .	3.5	3
88	Some Dynamic Inequalities via Diamond Integrals for Function of Several Variables. Fractal and Fractional, 2021, 5, 207.	1.6	3
89	Operating of Gasoline Engine Using Naphtha and Octane Boosters from Waste as Fuel Additives. Sustainability, 2021, 13, 13019.	1.6	3
90	Modeling and analysis of fractional order Zika model. AIMS Mathematics, 2022, 7, 3912-3938.	0.7	3

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91	Extreme Learning Bat Algorithm in Brain Tumor Classification. Intelligent Automation and Soft Computing, 2022, 34, 249-265.	1.6	3
92	New Conditions for Testing the Oscillation of Fourth-Order Differential Equations with Several Delays. Symmetry, 2022, 14, 1068.	1.1	3
93	Analysis of Nonlinear Duopoly Game: A Cooperative Case. Discrete Dynamics in Nature and Society, 2015, 2015, 1-5.	0.5	2
94	Further Discussions of the Complex Dynamics of a 2D Logistic Map: Basins of Attraction and Fractal Dimensions. Symmetry, 2020, 12, 2001.	1.1	2
95	Zero-Hopf bifurcation in continuous dynamical systems using multiple scale approach. Ain Shams Engineering Journal, 2020, 11, 1377-1385.	3.5	2
96	On Comparing between Two Nonlinear Cournot Duopoly Models. Complexity, 2021, 2021, 1-15.	0.9	2
97	Dynamics of a Heterogeneous Constraint Profit Maximization Duopoly Model Based on an Isoelastic Demand. Complexity, 2021, 2021, 1-14.	0.9	2
98	On Dynamic Investigations of Cournot Duopoly Game: When Firms Want to Maximize Their Relative Profits. Symmetry, 2021, 13, 2235.	1.1	2
99	Non-Coaxially Rotating Motion in Casson Martial along with Temperature and Concentration Gradients via First-Order Chemical Reaction. Energies, 2021, 14, 7784.	1.6	2
100	Global and Local Analysis for a Cournot Duopoly Game with Two Different Objective Functions. Mathematics, 2021, 9, 3119.	1.1	2
101	Asymptotic and Oscillatory Properties of Noncanonical Delay Differential Equations. Fractal and Fractional, 2021, 5, 259.	1.6	2
102	A Risk Assessment Model for Cyber-Physical Water and Wastewater Systems: Towards Sustainable Development. Sustainability, 2022, 14, 4480.	1.6	2
103	Utilization of additive from waste products with gasoline fuel to operate spark ignition engine. Scientific Reports, 2022, 12, 7714.	1.6	2
104	Control of the rotational motion of the rigid body with the help of internal rotors using Rodriguesâ€“Caley parameters. International Journal of Non-Linear Mechanics, 2003, 38, 133-141.	1.4	1
105	Some Complex Dynamic Characteristic of Economic Games. Journal of Computational and Theoretical Nanoscience, 2016, 13, 4275-4283.	0.4	1
106	Investigations of Nonlinear Triopoly Models with Different Mechanisms. Complexity, 2019, 2019, 1-15.	0.9	1
107	Asymmetric Information on Price Can Affect Bertrand Duopoly Players with the Gradient-Based Mechanism. Mathematical Problems in Engineering, 2020, 2020, 1-12.	0.6	1
108	New Solitary and Periodic Wave Solutions of (n + 1)-Dimensional Fractional Order Equations Modeling Fluid Dynamics. Symmetry, 2021, 13, 2017.	1.1	1

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109	Chaotic triopoly game: a congestion case. Advances in Difference Equations, 2020, 2020, .	3.5	1
110	On Complex Dynamics of Differentiated Products: Cournot Duopoly Model under Average Profit Maximization. Discrete Dynamics in Nature and Society, 2022, 2022, 1-14.	0.5	1
111	On the Dynamics of Cournot Duopoly Game with Governmental Taxes. Complexity, 2022, 2022, 1-11.	0.9	1
112	Further Investigations on the Dynamics and Multistability Coexisted in a Memory-Based Cobweb Model. Complexity, 2021, 2021, 1-13.	0.9	0
113	Fractal fractional derivative on chemistry kinetics hires problem. AIMS Mathematics, 2021, 7, 1155-1184.	0.7	0
114	Complex Investigations of a Piecewise-Smooth Remanufacturing Bertrand Duopoly Game. Mathematics, 2021, 9, 2558.	1.1	0
115	Chaotic Behavior of Monopoly Model. Journal of Computational and Theoretical Nanoscience, 2016, 13, 846-850.	0.4	0
116	On the oscillation of nonlinear delay differential equations and their applications. Open Physics, 2021, 19, 788-796.	0.8	0
117	Complexity Analysis of a 2D-Piecewise Smooth Duopoly Model: New Products versus Remanufactured Products. Complexity, 2022, 2022, 1-12.	0.9	0
118	Nonlinear Dynamics and Multistability in a Cobweb Model. Discrete Dynamics in Nature and Society, 2022, 2022, 1-12.	0.5	0
119	Bennett-Leindler nabla type inequalities via conformable fractional derivatives on time scales. AIMS Mathematics, 2022, 7, 14099-14116.	0.7	0
120	A Novel Edge-Based Trust Management System for the Smart City Environment Using Eigenvector Analysis. Journal of Healthcare Engineering, 2022, 2022, 1-10.	1.1	0