

Omar Bazighifan

List of Publications by Year in descending order

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134
papers

1,724
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218381

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docs citations

134
times ranked

351
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Neutral Delay Differential Equations of Fourth-Order: Oscillation of Solutions. <i>Entropy</i> , 2021, 23, 129.	1.1	64
2	Oscillation of higher-order differential equations with distributed delay. <i>Journal of Inequalities and Applications</i> , 2019, 2019, .	0.5	52
3	On the asymptotic behavior of fourth-order functional differential equations. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	49
4	A New Approach in the Study of Oscillation Criteria of Even-Order Neutral Differential Equations. <i>Mathematics</i> , 2020, 8, 197.	1.1	39
5	New Oscillation Criteria for Advanced Differential Equations of Fourth Order. <i>Mathematics</i> , 2020, 8, 728.	1.1	38
6	Asymptotic and Oscillatory Behavior of Solutions of a Class of Higher Order Differential Equation. <i>Symmetry</i> , 2019, 11, 1434.	1.1	37
7	Some New Oscillation Criteria for Second Order Neutral Differential Equations with Delayed Arguments. <i>Mathematics</i> , 2019, 7, 619.	1.1	36
8	Some Qualitative Behavior of Solutions of General Class of Difference Equations. <i>Mathematics</i> , 2019, 7, 585.	1.1	35
9	Qualitative Properties of Solutions of Second-Order Neutral Differential Equations. <i>Symmetry</i> , 2020, 12, 1520.	1.1	34
10	Oscillatory Behavior of Fourth-Order Differential Equations with Neutral Delay. <i>Symmetry</i> , 2020, 12, 371.	1.1	33
11	On the asymptotic and oscillatory behavior of the solutions of a class of higher-order differential equations with middle term. <i>Applied Mathematics Letters</i> , 2020, 107, 106431.	1.5	33
12	An Approach for Studying Asymptotic Properties of Solutions of Neutral Differential Equations. <i>Symmetry</i> , 2020, 12, 555.	1.1	32
13	Oscillation Theorems for Advanced Differential Equations with p-Laplacian Like Operators. <i>Mathematics</i> , 2020, 8, 821.	1.1	31
14	An Improved Criterion for the Oscillation of Fourth-Order Differential Equations. <i>Mathematics</i> , 2020, 8, 610.	1.1	31
15	On the Oscillatory Behavior of a Class of Fourth-Order Nonlinear Differential Equation. <i>Symmetry</i> , 2020, 12, 524.	1.1	31
16	Neutral Delay Differential Equations: Oscillation Conditions for the Solutions. <i>Symmetry</i> , 2021, 13, 101.	1.1	31
17	Oscillation Results for Higher Order Differential Equations. <i>Axioms</i> , 2020, 9, 14.	0.9	30
18	New Results for Oscillatory Behavior of Fourth-Order Differential Equations. <i>Symmetry</i> , 2020, 12, 136.	1.1	30

#	ARTICLE	IF	CITATIONS
19	Explicit criteria for the oscillation of second-order differential equations with several sub-linear neutral coefficients. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	30
20	Some New Extensions on Fractional Differential and Integral Properties for Mittag-Leffler Confluent Hypergeometric Function. <i>Fractal and Fractional</i> , 2021, 5, 143.	1.6	30
21	Qualitative Behavior of Solutions of Second Order Differential Equations. <i>Symmetry</i> , 2019, 11, 777.	1.1	29
22	Oscillation Theorems for Nonlinear Differential Equations of Fourth-Order. <i>Mathematics</i> , 2020, 8, 520.	1.1	29
23	Oscillation of Fourth-Order Functional Differential Equations with Distributed Delay. <i>Axioms</i> , 2019, 8, 61.	0.9	28
24	Asymptotic Properties of Solutions of Fourth-Order Delay Differential Equations. <i>Symmetry</i> , 2019, 11, 628.	1.1	27
25	A Philos-Type Oscillation Criteria for Fourth-Order Neutral Differential Equations. <i>Symmetry</i> , 2020, 12, 379.	1.1	27
26	Nonlinear Differential Equations with Distributed Delay: Some New Oscillatory Solutions. <i>Mathematics</i> , 2022, 10, 995.	1.1	27
27	On the oscillation of certain fourth-order differential equations with p-Laplacian like operator. <i>Applied Mathematics and Computation</i> , 2020, 386, 125475.	1.4	26
28	Significant Involvement of Double Diffusion Theories on Viscoelastic Fluid Comprising Variable Thermophysical Properties. <i>Micromachines</i> , 2021, 12, 951.	1.4	25
29	Oscillation Criteria of Higher-order Neutral Differential Equations with Several Deviating Arguments. <i>Mathematics</i> , 2020, 8, 412.	1.1	24
30	Improved Conditions for Oscillation of Functional Nonlinear Differential Equations. <i>Mathematics</i> , 2020, 8, 552.	1.1	24
31	Riccati Technique and Asymptotic Behavior of Fourth-Order Advanced Differential Equations. <i>Mathematics</i> , 2020, 8, 590.	1.1	24
32	Extended Approach to the Asymptotic Behavior and Symmetric Solutions of Advanced Differential Equations. <i>Symmetry</i> , 2022, 14, 686.	1.1	24
33	Improved Approach for Studying Oscillatory Properties of Fourth-Order Advanced Differential Equations with p-Laplacian Like Operator. <i>Mathematics</i> , 2020, 8, 656.	1.1	22
34	Novel Oscillation Theorems and Symmetric Properties of Nonlinear Delay Differential Equations of Fourth-Order with a Middle Term. <i>Symmetry</i> , 2022, 14, 585.	1.1	22
35	Symmetric and Non-Oscillatory Characteristics of the Neutral Differential Equations Solutions Related to p-Laplacian Operators. <i>Symmetry</i> , 2022, 14, 566.	1.1	21
36	Kamenev and Philos-types oscillation criteria for fourth-order neutral differential equations. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	20

#	ARTICLE	IF	CITATIONS
37	The Influence of Noise on the Exact Solutions of the Stochastic Fractional-Space Chiral Nonlinear Schrödinger Equation. <i>Fractal and Fractional</i> , 2021, 5, 262.	1.6	19
38	An oscillation criterion in 4^{th} -order neutral differential equations with a continuously distributed delay. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	18
39	Differential equations of even-order with p-Laplacian like operators: qualitative properties of the solutions. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	18
40	Analytical Study of Two Nonlinear Coupled Hybrid Systems Involving Generalized Hilfer Fractional Operators. <i>Fractal and Fractional</i> , 2021, 5, 178.	1.6	18
41	Nonlinear Stability and Linear Instability of Double-Diffusive Convection in a Rotating with LTNE Effects and Symmetric Properties: Brinkmann-Forchheimer Model. <i>Symmetry</i> , 2022, 14, 565.	1.1	18
42	A Study of Continuous Dependence and Symmetric Properties of Double Diffusive Convection: Forchheimer Model. <i>Symmetry</i> , 2022, 14, 682.	1.1	18
43	New Modifications of Integral Inequalities via $\hat{\alpha}$ -Convexity Pertaining to Fractional Calculus and Their Applications. <i>Mathematics</i> , 2021, 9, 1753.	1.1	17
44	Second-Order Differential Equation: Oscillation Theorems and Applications. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-6.	0.6	15
45	Neutral differential equations with distribution deviating arguments: Oscillation conditions. <i>Journal of Ocean Engineering and Science</i> , 2022, .	1.7	15
46	Some New Oscillation Results for Fourth-Order Neutral Differential Equations with Delay Argument. <i>Symmetry</i> , 2020, 12, 1248.	1.1	14
47	Oscillation of solutions to fourth-order delay differential equations with middle term. <i>Open Journal of Mathematical Sciences</i> , 2019, , 191-197.	0.7	14
48	Second-Order Differential Equation with Multiple Delays: Oscillation Theorems and Applications. <i>Complexity</i> , 2020, 2020, 1-6.	0.9	13
49	Oscillation criteria for a class of even-order neutral delay differential equations. <i>Journal of Applied Mathematics and Computing</i> , 2020, 63, 607-617.	1.2	13
50	Influence of Fin Length on Magneto-Combined Convection Heat Transfer Performance in a Lid-Driven Wavy Cavity. <i>Fractal and Fractional</i> , 2021, 5, 107.	1.6	13
51	Some New Reverse Hilbert's Inequalities on Time Scales. <i>Symmetry</i> , 2021, 13, 2431.	1.1	12
52	Oscillatory applications of some fourth-order differential equations. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 10276-10286.	1.2	11
53	On the Asymptotic Behavior of Advanced Differential Equations with a Non-Canonical Operator. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3130.	1.3	11
54	Asymptotic Behavior of Solutions of the Third Order Nonlinear Mixed Type Neutral Differential Equations. <i>Mathematics</i> , 2020, 8, 485.	1.1	11

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55	Some Important Criteria for Oscillation of Non-Linear Differential Equations with Middle Term. Mathematics, 2021, 9, 346.	1.1	11
56	An Analytical Technique Implemented in the Fractional Clannish Random Walker's Parabolic Equation with Nonlinear Physical Phenomena. Mathematics, 2021, 9, 801.	1.1	11
57	On the qualitative behavior of the solutions to second-order neutral delay differential equations. Journal of Inequalities and Applications, 2020, 2020, .	0.5	11
58	Oscillation Conditions for Certain Fourth-Order Non-Linear Neutral Differential Equation. Symmetry, 2020, 12, 1096.	1.1	10
59	New Results for Kneser Solutions of Third-Order Nonlinear Neutral Differential Equations. Mathematics, 2020, 8, 686.	1.1	10
60	New Theorems for Oscillations to Differential Equations with Mixed Delays. Symmetry, 2021, 13, 367.	1.1	10
61	Nonlinear equations of fourth-order with Δ -Laplacian like operators: Oscillation, methods and applications. Proceedings of the American Mathematical Society, 2022, 150, 1009-1020.	0.4	10
62	Oscillation of Emden-Fowler-Type Neutral Delay Differential Equations. Axioms, 2020, 9, 136.	0.9	9
63	New Conditions for the Oscillation of Second-Order Differential Equations with Sublinear Neutral Terms. Mathematics, 2021, 9, 1159.	1.1	9
64	An Oscillation Criterion of Nonlinear Differential Equations with Advanced Term. Symmetry, 2021, 13, 843.	1.1	8
65	A Variety of Dynamic Steffensen-Type Inequalities on a General Time Scale. Symmetry, 2021, 13, 1738.	1.1	8
66	On Some New Weighted Steffensen-Type Inequalities on Time Scales. Mathematics, 2021, 9, 2670.	1.1	8
67	Qualitative Analysis of Langevin Integro-Fractional Differential Equation under Mittag-Leffler Functions Power Law. Fractal and Fractional, 2021, 5, 266.	1.6	8
68	On infinite circulant-balanced complete multipartite graphs decompositions based on generalized algorithmic approaches. AEJ - Alexandria Engineering Journal, 2022, 61, 11267-11275.	3.4	8
69	Behavior of Non-Oscillatory Solutions of Fourth-Order Neutral Differential Equations. Symmetry, 2020, 12, 477.	1.1	7
70	Improved Oscillation Criteria for 2nd-Order Neutral Differential Equations with Distributed Deviating Arguments. Mathematics, 2020, 8, 849.	1.1	7
71	Different techniques for studying oscillatory behavior of solution of differential equations. Rocky Mountain Journal of Mathematics, 2021, 51, .	0.2	7
72	Philos-Type Oscillation Results for Third-Order Differential Equation with Mixed Neutral Terms. Mathematics, 2021, 9, 1021.	1.1	7

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73	On Graph-Transversal Designs and Graph-Authentication Codes Based on Mutually Orthogonal Graph Squares. <i>Journal of Mathematics</i> , 2022, 2022, 1-10.	0.5	7
74	Oscillatory Properties of Solutions of Even-Order Differential Equations. <i>Symmetry</i> , 2020, 12, 212.	1.1	6
75	Non-Linear Neutral Differential Equations with Damping: Oscillation of Solutions. <i>Symmetry</i> , 2021, 13, 285.	1.1	6
76	Oscillatory and asymptotic behavior of advanced differential equations. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	6
77	New Results of the Time-Space Fractional Derivatives of Korteweg-De Vries Equations via Novel Analytic Method. <i>Symmetry</i> , 2021, 13, 2296.	1.1	6
78	Some New Generalizations of Reverse Hilbert-Type Inequalities on Time Scales. <i>Symmetry</i> , 2022, 14, 750.	1.1	6
79	Finite-Time Stability Analysis of Linear Differential Systems with Pure Delay. <i>Mathematics</i> , 2022, 10, 1359.	1.1	6
80	Important Criteria for Asymptotic Properties of Nonlinear Differential Equations. <i>Mathematics</i> , 2021, 9, 1659.	1.1	5
81	Second-order impulsive differential systems with mixed and several delays. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	5
82	Oscillatory properties of even-order ordinary differential equations with variable coefficients. <i>Miskolc Mathematical Notes</i> , 2020, 21, 641.	0.3	5
83	A Qualitative Study on Second-Order Nonlinear Fractional Differential Evolution Equations with Generalized ABC Operator. <i>Symmetry</i> , 2022, 14, 207.	1.1	5
84	Asymptotic Behavior of Solutions of Even-Order Advanced Differential Equations. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-7.	0.6	4
85	Sufficient Conditions for Oscillation of Fourth-Order Neutral Differential Equations with Distributed Deviating Arguments. <i>Axioms</i> , 2020, 9, 39.	0.9	4
86	Dynamics of General Class of Difference Equations and Population Model with Two Age Classes. <i>Mathematics</i> , 2020, 8, 516.	1.1	4
87	More Effective Conditions for Oscillatory Properties of Differential Equations. <i>Symmetry</i> , 2021, 13, 278.	1.1	4
88	On the Qualitative Behavior of Third-Order Differential Equations with a Neutral Term. <i>Symmetry</i> , 2021, 13, 1287.	1.1	4
89	Oscillation and Asymptotic Properties of Differential Equations of Third-Order. <i>Axioms</i> , 2021, 10, 192.	0.9	4
90	New Criteria for Oscillation of Half-Linear Differential Equations with p-Laplacian-like Operators. <i>Mathematics</i> , 2021, 9, 2584.	1.1	4

#	ARTICLE	IF	CITATIONS
91	Geometric properties of the meromorphic functions class through special functions associated with a linear operator. , 2022, 2022, .		4
92	On Fuzzy $\langle \mathit{xmlns}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ id}=\text{"M1"} \rangle \langle \mathit{msup} \rangle \langle \mathit{mrow} \rangle \langle \mathit{mi} \text{ mathvariant}=\text{"fraktur"} \rangle \mathit{F} \langle \mathit{mi} \rangle \langle \mathit{mrow} \rangle \langle \mathit{mrow} \rangle \langle \mathit{mo} \rangle \hat{-} \langle \mathit{mo} \rangle \langle \mathit{mrow} \rangle \langle \mathit{msup} \rangle \langle \mathit{math} \rangle$ -Simply Connected Spaces in Fuzzy $\langle \mathit{xmlns}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ id}=\text{"M2"} \rangle \langle \mathit{msup} \rangle$. Journal of Function Spaces, 2022, 2022, 1-6.	0.4	4
93	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
94	New Comparison Theorems for the Even-Order Neutral Delay Differential Equation. Symmetry, 2020, 12, 764.	1.1	3
95	Symmetry and Its Role in Oscillation of Solutions of Third-Order Differential Equations. Symmetry, 2021, 13, 1485.	1.1	3
96	Existence of the Class of Nonlinear Hybrid Fractional Langevin Quantum Differential Equation with Dirichlet Boundary Conditions. Fractal and Fractional, 2021, 5, 156.	1.6	3
97	Delay Differential Equations of Fourth-Order: Oscillation and Asymptotic Properties of Solutions. Symmetry, 2021, 13, 2015.	1.1	3
98	New Oscillation Results of Even-Order Emden–Fowler Neutral Differential Equations. Symmetry, 2021, 13, 2177.	1.1	3
99	Some Oscillation Results for Even-Order Differential Equations with Neutral Term. Fractal and Fractional, 2021, 5, 246.	1.6	3
100	Statistical Analysis of the People Fully Vaccinated against COVID-19 in Two Different Regions. Applied Bionics and Biomechanics, 2022, 2022, 1-10.	0.5	3
101	Half-linear differential equations of fourth order: oscillation criteria of solutions. , 2022, 2022, .		3
102	Investigating a Generalized Fractional Quadratic Integral Equation. Fractal and Fractional, 2022, 6, 251.	1.6	3
103	Hardy-Leindler-Type Inequalities via Conformable Delta Fractional Calculus. Journal of Function Spaces, 2022, 2022, 1-10.	0.4	3
104	Does freelancing have a future? Mathematical analysis and modeling. Mathematical Biosciences and Engineering, 2022, 19, 9357-9370.	1.0	3
105	Multiple Techniques for Studying Asymptotic Properties of a Class of Differential Equations with Variable Coefficients. Symmetry, 2020, 12, 1112.	1.1	2
106	Asymptotic Properties of Neutral Differential Equations with Variable Coefficients. Axioms, 2020, 9, 96.	0.9	2
107	Kamenev-Type Asymptotic Criterion of Fourth-Order Delay Differential Equation. Fractal and Fractional, 2020, 4, 7.	1.6	2
108	Emden–Fowler-type neutral differential equations: oscillatory properties of solutions. Advances in Difference Equations, 2021, 2021, .	3.5	2

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109	Oscillation Results for Nonlinear Higher-Order Differential Equations with Delay Term. <i>Symmetry</i> , 2021, 13, 446.	1.1	2
110	Symmetry and Its Importance in the Oscillation of Solutions of Differential Equations. <i>Symmetry</i> , 2021, 13, 650.	1.1	2
111	New Oscillation Criteria for Neutral Delay Differential Equations of Fourth-Order. <i>Symmetry</i> , 2021, 13, 1277.	1.1	2
112	Nonlinear differential equations of fourth-order: Qualitative properties of the solutions. <i>AIMS Mathematics</i> , 2020, 5, 6436-6447.	0.7	2
113	Oscillation Criteria of Solutions of Fourth-Order Neutral Differential Equations. <i>Fractal and Fractional</i> , 2021, 5, 155.	1.6	2
114	On the Oscillation of Solutions of Differential Equations with Neutral Term. <i>Mathematics</i> , 2021, 9, 2709.	1.1	2
115	A New Alternative Regularization Method for Solving Generalized Equilibrium Problems. <i>Mathematics</i> , 2022, 10, 1350.	1.1	2
116	Euler's Numerical Method on Fractional DSEK Model under ABC Derivative. <i>Complexity</i> , 2022, 2022, 1-12.	0.9	2
117	New oscillation solutions of impulsive conformable partial differential equations. <i>AIMS Mathematics</i> , 2022, 7, 16328-16348.	0.7	2
118	Some New Oscillation Results for Fourth-Order Neutral Differential Equations with a Canonical Operator. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-7.	0.6	1
119	Oscillatory Solutions to Neutral Delay Differential Equations. <i>Mathematics</i> , 2021, 9, 714.	1.1	1
120	A Philosof-type criterion to determine the oscillatory character of a class of neutral delay differential equations. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 9966-9975.	1.2	1
121	Qualitative Behavior of Unbounded Solutions of Neutral Differential Equations of Third-Order. <i>Fractal and Fractional</i> , 2021, 5, 95.	1.6	1
122	New results for oscillatory properties of neutral differential equations with a p-Laplacian like operator. <i>Miskolc Mathematical Notes</i> , 2020, 21, 631.	0.3	1
123	Oscillation criteria for second-order quasi-linear neutral functional differential equation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2020, 13, 2465-2473.	0.6	1
124	Explicit criteria for the qualitative properties of differential equations with p-Laplacian-like operator. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	1
125	Important Study on the \mathbb{T} Dynamic Hardy-Hilbert-Type Inequalities on Time Scales with Applications. <i>Symmetry</i> , 2022, 14, 428.	1.1	1
126	Modified Inertial Subgradient Extragradient Method with Regularization for Variational Inequality and Null Point Problems. <i>Mathematics</i> , 2022, 10, 2367.	1.1	1

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127	Regularization Method for the Variational Inequality Problem over the Set of Solutions to the Generalized Equilibrium Problem. <i>Mathematics</i> , 2022, 10, 2443.	1.1	1
128	Qualitative behavior of fourth-order neutral functional differential equations. , 2019, , .		0
129	Oscillation theorems of solution of second-order neutral differential equations. <i>AIMS Mathematics</i> , 2021, 6, 12771-12779.	0.7	0
130	Oscillation Results of Emdenâ€Fowler-Type Differential Equations. <i>Symmetry</i> , 2021, 13, 410.	1.1	0
131	Some new oscillation criteria of fourth-order quasi-linear differential equations with neutral term. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	0
132	Second-order half-linear delay differential equations: Oscillation tests. <i>Advances in the Theory of Nonlinear Analysis and Its Applications</i> , 0, , .	0.3	0
133	On the oscillation of nonlinear delay differential equations and their applications. <i>Open Physics</i> , 2021, 19, 788-796.	0.8	0
134	Some new dynamic Steffensen-type inequalities on a general time scale measure space. <i>AIMS Mathematics</i> , 2022, 7, 4326-4337.	0.7	0