Paul W Eloe

List of Publications by Year
in descending order

94 papers	2,378 citations	331670 21 h-index	206112 48 g-index
96 all docs	96 docs citations	96 times ranked	601 citing authors

#	Article	IF	Citations
1	Initial value problems in discrete fractional calculus. Proceedings of the American Mathematical Society, 2008, 137, 981-989.	0.8	473
2	Discrete fractional calculus with the nabla operator. Electronic Journal of Qualitative Theory of Differential Equations, 2009, , 1-12.	0.5	232
3	Two-point boundary value problems for finite fractional difference equations. Journal of Difference Equations and Applications, 2011, 17, 445-456.	1.1	168
4	Fractional q-Calculus on a time scale. Journal of Nonlinear Mathematical Physics, 2007, 14, 341.	1.3	139
5	Positive solutions of a nonlinear <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http:. Applied Mathematics	2.7	106
6	Positive solutions for (n âˆ’ 1, 1) conjugate boundary value problems. Nonlinear Analysis: Theory, Methods & Applications, 1997, 28, 1669-1680.	1.1	100
7	Linear systems of fractional nabla difference equations. Rocky Mountain Journal of Mathematics, 2011, 41, .	0.4	99
8	Triple Positive Solutions and Dependence on Higher Order Derivatives. Journal of Mathematical Analysis and Applications, 1999, 237, 710-720.	1.0	95
9	Upper and Lower Solution Methods for Fully Nonlinear Boundary Value Problems. Journal of Differential Equations, 2002, 180, 51-64.	2.2	75
10	Gronwallâ€™s inequality on discrete fractional calculus. Computers and Mathematics With Applications, 2012, 64, 3193-3200.	2.7	69
11	Singular Nonlinear (k,Ânâˆ’k) Conjugate Boundary Value Problems. Journal of Differential Equations, 1997, 133, 136-151.	2.2	60
12	Singular nonlinear boundary value problems for higher order ordinary differential equations. Nonlinear Analysis: Theory, Methods & Applications, 1991, 17, 1-10.	1.1	53
13	Higher Order Dynamic Equations on Measure Chains: Wronskians, Disconjugacy, and Interpolating Families of Functions. Journal of Mathematical Analysis and Applications, 2000, 246, 639-656.	1.0	37
14	Existence and uniqueness of solutions for impulsive fractional differential equations. Applied Mathematics and Computation, 2013, 224, 422-431.	2.2	35
15	A quadratic monotone iteration scheme for two-point boundary value problems for ordinary differential equations. Nonlinear Analysis: Theory, Methods & Applications, 1998, 33, 443-453.	1.1	31
16	Optimal Selling Rules in a Regime-Switching Exponential Gaussian Diffusion Model. SIAM Journal on Applied Mathematics, 2008, 69, 810-829.	1.8	30
17	THE METHOD OF QUASILINEARIZATION AND A THREE-POINT BOUNDARY VALUE PROBLEM. Journal of the Korean Mathematical Society, 2002, 39, 319-330.	0.4	29
18	A boundary value problem for a system of difference equations. Nonlinear Analysis: Theory, Methods & Applications, 1983, 7, 813-820.	1.1	27

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19	Positive solutions of nonlinear functional difference equations. Computers and Mathematics With Applications, 2001, 42, 639-646.	2.7	26
20	Inequalities based on a generalization of concavity. Proceedings of the American Mathematical Society, 1997, 125, 2103-2107.	0.8	24
21	Uniqueness implies existence and uniqueness conditions for nonlocal boundary value problems for nth order differential equations. Journal of Mathematical Analysis and Applications, 2007, 331, 240-247.	1.0	24
22	Difference equations and multipoint boundary value problems. Proceedings of the American Mathematical Society, 1982, 86, 253-259.	0.8	20
23	Positive solutions and conjugate points for multipoint boundary value problems. Journal of Differential Equations, 1992, 95, 20-32.	2.2	20
24	Extremal points for impulsive Lidstone boundary value problems. Mathematical and Computer Modelling, 2000, 32, 687-698.	2.0	20
25	Existence of Solutions for Some Singular Higher Order Boundary Value Problems. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1993, 73, 315-323.	1.6	16
26	The quasilinearization method for boundary value problems on time scales. Journal of Mathematical Analysis and Applications, 2002, 276, 357-372.	1.0	16
27	Uniform asymptotic stability in nonlinear volterra discrete systems. Computers and Mathematics With Applications, 2003, 45, 1033-1039.	2.7	16
28	Comparison of eigenvalues for a class of two-point boundary value problems. Applicable Analysis, 1989, 34, 25-34.	1.3	15
29	Double barrier option under regime-switching exponential mean-reverting process. International Journal of Computer Mathematics, 2009, 86, 964-981.	1.8	14
30	Criteria for right disfocality of linear difference equations. Journal of Mathematical Analysis and Applications, 1986, 120, 610-621.	1.0	13
31	Nonlinear integrodifferential equations anda priori bounds on periodic solutions. Annali Di Matematica Pura Ed Applicata, 1992, 161, 271-283.	1.0	13
32	Analogues of Fekete and Descartes systems of solutions for difference equations. Journal of Approximation Theory, 1989, 59, 38-52.	0.8	12
33	Focal Points and Comparison Theorems for a Class of Two Point Boundary Value Problems. Journal of Differential Equations, 1993, 103, 375-386.	2.2	12
34	Multipoint Boundary Value Problems for Ordinary Differential Systems. Journal of Differential Equations, 1994, 114, 232-242.	2.2	11
35	Title is missing!. Georgian Mathematical Journal, 1997, 4, 401-412.	0.6	11
36	Uniqueness implies existence and uniqueness conditions for a class of (k + j)â€point boundary value problems for nth order differential equations. Mathematische Nachrichten, 2011, 284, 229-239.	0.8	11

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37	A Boundary Value Problem for a System of Ordinary Differential Equations with Impulse Effects. Rocky Mountain Journal of Mathematics, 1997, 27, .	0.4	11
38	Periodic Solutions of Linear Integro-Differential Equations. Mathematische Nachrichten, 1990, 147, 175-184.	0.8	10
39	A Qualitative Analysis on Nonconstant Graininess of the Adaptive Grids via Time Scales. Rocky Mountain Journal of Mathematics, 2006, 36, 115.	0.4	10
40	Smallest Eigenvalues for a Right Focal Boundary Value Problem. Fractional Calculus and Applied Analysis, 2016, 19, 11-18.	2.2	10
41	Upper and lower solution method for boundary value problems at resonance. Electronic Journal of Qualitative Theory of Differential Equations, 2016, , 1-13.	0.5	10
42	Focal Point Characterizations and Comparisons for Right Focal Differential Operators. Journal of Mathematical Analysis and Applications, 1994, 181, 22-34.	1.0	9
43	POSITIVE SOLUTIONS FOR A SYSTEM OF SINGULAR SECOND ORDER NONLOCAL BOUNDARY VALUE PROBLEMS. Journal of the Korean Mathematical Society, 2010, 47, 985-1000.	0.4	9
44	Inequalities for Solutions of Multipoint Boundary Value Problems. Rocky Mountain Journal of Mathematics, 1999, 29, 821.	0.4	8
45	Some analogues of Markov and Descartes systems for right disfocality. Proceedings of the American Mathematical Society, 1987, 99, 543-548.	0.8	7
46	The method of quasilinearization and dynamic equations on compact measure chains. Journal of Computational and Applied Mathematics, 2002, 141, 159-167.	2.0	7
47	Nonlinear eigenvalue problems for higher order Lidstone boundary value problems. Electronic Journal of Qualitative Theory of Differential Equations, 2000, , 1-8.	0.5	7
48	Stability properties and integrability of the resolvent of linear Volterra equations. Tohoku Mathematical Journal, 1995, 47, .	0.2	7
49	Discretized amplitudemodulated phase-only filter. Optics and Laser Technology, 1996, 28, 93-100.	4.6	6
50	The quasilinearization method on an unbounded domain. Proceedings of the American Mathematical Society, 2002, 131, 1481-1488.	0.8	6
51	Conjugate points for fractional differential equations. Fractional Calculus and Applied Analysis, 2014, 17, 855-871.	2.2	6
52	A comparison theorem for linear difference equations. Proceedings of the American Mathematical Society, 1988, 103, 451-451.	0.8	6
53	Method of the quasilinearization for nonlinear impulsive differential equations with linear boundary conditions. Electronic Journal of Qualitative Theory of Differential Equations, 2002, , 1-14.	0.5	6
54	Monotone iteration and Greenâ€™s functions for boundary value problems. Proceedings of the American Mathematical Society, 1980, 78, 533-538.	0.8	5

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55	Two-point boundary value problems for ordinary differential equations, uniqueness implies existence. Proceedings of the American Mathematical Society, 2020, 148, 4377-4387.	0.8	5
56	Bifurcation from Infinity and Higher Order Ordinary Differential Equations. Journal of Mathematical Analysis and Applications, 1995, 195, 32-43.	1.0	4
57	The convergence of iterative solutions to the Electric Field Integral Equation. Applied Mathematics Letters, 1995, 8, 43-49.	2.7	4
58	Comparison of Green's Functions for a Family of Multipoint Boundary Value Problems. Journal of Mathematical Analysis and Applications, 2000, 246, 296-307.	1.0	4
59	Sign properties of Green's functions for disconjugate dynamic equations on time scales. Journal of Mathematical Analysis and Applications, 2003, 287, 444-454.	1.0	4
60	Uniqueness Implies Existence and Uniqueness Conditions for a Class of (k + j)-Point Boundary Value Problems for n-th Order Differential Equations. Canadian Mathematical Bulletin, 2012, 55, 285-296.	0.5	4
61	Positive Solutions and J-Focal Points for Two Point Boundary Value Problems. Rocky Mountain Journal of Mathematics, 1992, 22, .	0.4	4
62	POSITIVE SOLUTIONS FOR A SINGULAR FOURTH ORDER NONLOCAL BOUNDARY VALUE PROBLEM. International Journal of Pure and Applied Mathematics, 2016, 109, .	0.2	4
63	Sign properties of Greenâ€™s functions for a family of two-point boundary value problems. Proceedings of the American Mathematical Society, 1994, 120, 443-443.	0.8	4
64	Integral conditions for right disfocality of a linear differential equation. Journal of Mathematical Analysis and Applications, 1988, 131, 441-450.	1.0	3
65	Singular boundary value problems for quasi-differential equations. International Journal of Mathematics and Mathematical Sciences, 1995, 18, 571-578.	0.7	3
66	Approximating crossed symmetric solutions of nonlinear dynamic equations via quasilinearization. Nonlinear Analysis: Theory, Methods & Applications, 2004, 56, 253-272.	1.1	3
67	Upper and Lower Solutions for Regime-Switching Diffusions with Applications in Financial Mathematics. SIAM Journal on Applied Mathematics, 2011, 71, 1354-1373.	1.8	3
68	COMPARISON OF EIGENVALUES FOR A CLASS OF MULTIPOINT BOUNDARY VALUE PROBLEMS. , 1992, , 179-188.		3
69	Fixed points and solutions of boundary value problems at resonance. Annales Polonici Mathematici, 2015, 115, 263-274.	0.5	3
70	Existence of Solutions for 2n^th Order Nonlinear Generalized Sturm-Liouville Boundary Value Problems. Mathematical Inequalities and Applications, 2001, , 247-255.	0.2	3
71	Families of boundary conditions for nonlinear ordinary differential equations. Nonlinear Analysis: Theory, Methods & Applications, 1985, 9, 631-638.	1.1	2
72	Periodic solutions of nonlinear integral equations with infinite memory. Applicable Analysis, 1988, 28, 79-93.	1.3	2

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73	Positive solutions of boundary-value problems for disfocal ordinary differential equations. Journal of Computational and Applied Mathematics, 1998, 88, 71-78.	2.0	2
74	Notes on Crossed Symmetry Solutions of the Two-point Boundary Value Problems on Time Scales. Journal of Difference Equations and Applications, 2003, 9, 29-48.	1.1	2
75	Comparison of Green's functions for a family of boundary value problems for fractional difference equations. Journal of Difference Equations and Applications, 2019, 25, 776-787.	1.1	2
76	Three point boundary value problems for ordinary differential equations, uniqueness implies existence. Electronic Journal of Qualitative Theory of Differential Equations, 2020, , 1-15.	0.5	2
77	The role of concavity in applications of avery type fixed point theorems to higher order differential equations. Journal of Mathematical Inequalities, 2012, , 79-90.	0.9	2
78	Concavity of solutions of a 2n-th order problem with symmetry. Opuscula Mathematica, 2013, 33, 603.	0.8	2
79	A unique limiting Green's function for a class of singular boundary value problems. Computers and Mathematics With Applications, 1994, 28, 93-99.	2.7	1
80	Triple Positive Solutions for Multipoint Conjugate Boundary Value Problems. Georgian Mathematical Journal, 1999, 6, 415-420.	0.6	1
81	The fast Fourier transform method and ill-conditioned matrices. Applied Mathematics and Computation, 2001, 117, 117-129.	2.2	1
82	Maximum principles for a family of nonlocal boundary value problems. Advances in Difference Equations, 2004, 2004, 469624.	3.5	1
83	The large contraction principle and existence of periodic solutions for infinite delay Volterra difference equations. Turkish Journal of Mathematics, 2019, 43, 1988-1999.	0.7	1
84	Conjugate type boundary value problems for functional-differential equations. Rocky Mountain Journal of Mathematics, 1982, 12, .	0.4	1
85	Development of a Low RCS Reflector Antenna. Electromagnetics, 1997, 17, 467-481.	0.7	0
86	Discrete kiguradze type inequalities. Journal of Difference Equations and Applications, 2000, 6, 431-441.	1.1	0
87	Pair differentiation. Journal of Mathematical Analysis and Applications, 2003, 287, 504-515.	1.0	0
88	One-dimensional photonic bandgap optical limiter design. , 2003, 4986, 142.		0
89	Quasilinearization and boundary value problems at resonance. Georgian Mathematical Journal, 2021, 28, 173-184.	0.6	0
90	Errata article for "Three point boundary value problems for ordinary differential equations, uniqueness implies existence". Electronic Journal of Qualitative Theory of Differential Equations, 2021, , 1-7.	0.5	0

#	Article	IF	Citations
91	Comparison of Eigenvalues for a System of Two-Point Boundary Value Problems. , 1994, , 187-196.		0
92	POSITIVE SOLUTIONS AND CONJUGATE POINTS FOR A CLASS OF LINEAR FUNCTIONAL DIFFERENTIAL EQUATIONS. , 1995, , 131-141.		0
93	Sign properties of Green's functions for difference equations. , 1996, , 1121-1130.		0
94	A global uniqueness of solutions implies global existence for (l+1)-point boundary value problems. Rocky Mountain Journal of Mathematics, 2022, 52, .	0.4	0