

Carlos Lizama

List of Publications by Year in descending order

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137
papers

2,296
citations

236612

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288905

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138
all docs

138
docs citations

138
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	Existence of (N, λ) -Periodic Solutions for Abstract Fractional Difference Equations. Mediterranean Journal of Mathematics, 2022, 19, 1.	0.4	7
2	On a connection between the N-dimensional fractional Laplacian and 1-D operators on lattices. Journal of Mathematical Analysis and Applications, 2022, 511, 126051.	0.5	3
3	Qualitative properties of nonlocal discrete operators. Mathematical Methods in the Applied Sciences, 2022, 45, 6346-6377.	1.2	4
4	Singular perturbation and initial layer for the abstract Moore-Gibson-Thompson equation. Journal of Mathematical Analysis and Applications, 2022, 516, 126507.	0.5	2
5	Well-posedness for the abstract Blackstock-Crighton-Westervelt equation. Journal of Evolution Equations, 2021, 21, 313-337.	0.6	2
6	Solutions of abstract integro-differential equations via Poisson transformation. Mathematical Methods in the Applied Sciences, 2021, 44, 2495-2505.	1.2	5
7	Volterra-Stieltjes integral equations and impulsive Volterra-Stieltjes integral equations. Electronic Journal of Qualitative Theory of Differential Equations, 2021, , 1-20.	0.2	1
8	Fundamental solutions for semidiscrete evolution equations via Banach algebras. Advances in Difference Equations, 2021, 2021, 35.	3.5	9
9	Second and third order forward difference operator: what is in between?. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2021, 115, 1.	0.6	4
10	Normal periodic solutions for the fractional abstract Cauchy problem. Boundary Value Problems, 2021, 2021, .	0.3	0
11	Existence and multiplicity of nontrivial solutions to the modified Kirchhoff equation without the growth and Ambrosetti-Rabinowitz conditions. Electronic Journal of Qualitative Theory of Differential Equations, 2021, , 1-18.	0.2	2
12	Well-posedness for a fourth-order equation of Moore-Gibson-Thompson type. Electronic Journal of Qualitative Theory of Differential Equations, 2021, , 1-18.	0.2	4
13	The Cauchy problem for discrete time fractional evolution equations. Journal of Computational and Applied Mathematics, 2020, 370, 112683.	1.1	11
14	Nonlocal operators are chaotic. Chaos, 2020, 30, 103126.	1.0	7
15	L_p - L_q -Well Posedness for the Moore-Gibson-Thompson Equation with Two Temperatures on Cylindrical Domains. Mathematics, 2020, 8, 1748.	1.1	1
16	A transference principle for nonlocal operators using a convolutional approach: fractional monotonicity and convexity. Israel Journal of Mathematics, 2020, 236, 533-589.	0.4	52
17	The Super-Diffusive Singular Perturbation Problem. Mathematics, 2020, 8, 403.	1.1	0
18	Maximal \hat{p} -regularity for discrete time Volterra equations with delay. Journal of Difference Equations and Applications, 2019, 25, 1344-1362.	0.7	0

#	ARTICLE	IF	CITATIONS
19	On the existence and uniqueness of (N, λ) -periodic solutions to a class of Volterra difference equations. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	10
20	Asymptotic behavior of mild solutions for a class of abstract nonlinear difference equations of convolution type. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	1
21	On close to scalar families for fractional evolution equations: zero-one law. <i>Semigroup Forum</i> , 2019, 99, 140-152.	0.3	0
22	Visibility graphs of fractional Wu-Baleanu time series. <i>Journal of Difference Equations and Applications</i> , 2019, 25, 1321-1331.	0.7	6
23	Fundamental solutions for discrete dynamical systems involving the fractional Laplacian. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 4688-4711.	1.2	10
24	Lattice Dynamical Systems Associated with a Fractional Laplacian. <i>Numerical Functional Analysis and Optimization</i> , 2019, 40, 1315-1343.	0.6	10
25	Well-posedness for degenerate third order equations with delay and applications to inverse problems. <i>Israel Journal of Mathematics</i> , 2019, 229, 219-254.	0.4	17
26	Controllability results for the Moore-Gibson-Thompson equation arising in nonlinear acoustics. <i>Journal of Differential Equations</i> , 2019, 266, 7813-7843.	1.1	10
27	Nonlocal Integrated Solutions for a Class of Abstract Evolution Equations. <i>Acta Applicandae Mathematicae</i> , 2019, 164, 165-183.	0.5	1
28	Lebesgue regularity for differential difference equations with fractional damping. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 2535-2545.	1.2	11
29	A Semigroup Approach to Fractional Poisson Processes. <i>Complex Analysis and Operator Theory</i> , 2018, 12, 777-785.	0.3	0
30	Editorial: Modern Fractional Dynamic Systems and Applications, MFDSA 2017. <i>Journal of Computational and Applied Mathematics</i> , 2018, 339, 1-2.	1.1	11
31	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> , 2018, 204, 23-26.	1.1	11
32	A characterization of well-posedness for abstract Cauchy problems with finite delay. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 457, 410-435.	0.5	3
33	Well posedness for semidiscrete fractional Cauchy problems with finite delay. <i>Journal of Computational and Applied Mathematics</i> , 2018, 339, 356-366.	1.1	21
34	Lebesgue Regularity for Nonlocal Time-Discrete Equations with Delays. <i>Fractional Calculus and Applied Analysis</i> , 2018, 21, 696-715.	1.2	8
35	On the exponential stability of Samuelson model on some classes of times scales. <i>Journal of Computational and Applied Mathematics</i> , 2017, 325, 1-17.	1.1	5
36	L_p -maximal regularity for a class of fractional difference equations on UMD spaces: The case $1 < p < 2$. <i>Banach Journal of Mathematical Analysis</i> , 2017, 11, 188-206.	0.4	19

#	ARTICLE	IF	CITATIONS
37	Maximal regularity in l spaces for discrete time fractional shifted equations. <i>Journal of Differential Equations</i> , 2017, 263, 3175-3196.	1.1	23
38	Linear dynamics of semigroups generated by differential operators. <i>Open Mathematics</i> , 2017, 15, 745-767.	0.5	11
39	Chaotic semigroups from second order partial differential equations. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 456, 402-411.	0.5	6
40	The Poisson distribution, abstract fractional difference equations, and stability. <i>Proceedings of the American Mathematical Society</i> , 2017, 145, 3809-3827.	0.4	86
41	Weighted bounded solutions for a class of nonlinear fractional equations.. <i>Fractional Calculus and Applied Analysis</i> , 2016, 19, 1010-1030.	1.2	12
42	Cesàro sums and algebra homomorphisms of bounded operators. <i>Israel Journal of Mathematics</i> , 2016, 216, 471-505.	0.4	14
43	Sharp extensions and algebraic properties for solution families of vector-valued differential equations. <i>Banach Journal of Mathematical Analysis</i> , 2016, 10, 169-208.	0.4	5
44	On the existence of chaos for the viscous van Wijngaarden's Eringen equation. <i>Chaos, Solitons and Fractals</i> , 2016, 89, 100-104.	2.5	5
45	Dynamics of the solutions of the water hammer equations. <i>Topology and Its Applications</i> , 2016, 203, 67-83.	0.2	8
46	Attractivity for functional Volterra integral equations of convolution type. <i>Journal of Computational and Applied Mathematics</i> , 2016, 301, 230-240.	1.1	10
47	On the compactness of fractional resolvent operator functions. <i>Semigroup Forum</i> , 2016, 93, 363-374.	0.3	19
48	Almost automorphic mild solutions to fractional partial difference-differential equations. <i>Applicable Analysis</i> , 2016, 95, 1347-1369.	0.6	26
49	Abstract Volterra equations with state-dependent delay. <i>Journal of Integral Equations and Applications</i> , 2015, 27, .	0.2	2
50	l_p -maximal regularity for fractional difference equations on UMD spaces. <i>Mathematische Nachrichten</i> , 2015, 288, 2079-2092.	0.4	39
51	Asymptotic Behavior of Nonlinear Evolution Equations. <i>Abstract and Applied Analysis</i> , 2015, 2015, 1-1.	0.3	0
52	On a connection between the discrete fractional Laplacian and superdiffusion. <i>Applied Mathematics Letters</i> , 2015, 49, 119-125.	1.5	15
53	Weighted pseudo almost periodic solutions to a class of semilinear integro-differential equations in Banach spaces. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	8
54	Weighted pseudo antiperiodic solutions for fractional integro-differential equations in Banach spaces. <i>Applied Mathematics and Computation</i> , 2015, 259, 164-172.	1.4	12

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55	Weighted pseudo almost automorphic mild solutions for two-term fractional order differential equations. <i>Applied Mathematics and Computation</i> , 2015, 271, 154-167.	1.4	14
56	A connection between almost periodic functions defined on timescales and $\hat{\alpha}$. <i>Applicable Analysis</i> , 2014, 93, 2547-2558.	0.6	20
57	On the boundedness of generalized Cesàro operators on Sobolev spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 419, 373-394.	0.5	6
58	Stochastic Volterra equations under perturbations. <i>Electronic Communications in Probability</i> , 2014, 19, .	0.1	1
59	Mild solutions for abstract fractional differential equations. <i>Applicable Analysis</i> , 2013, 92, 1731-1754.	0.6	35
60	Calcium (Ca ²⁺) waves data calibration and analysis using image processing techniques. <i>BMC Bioinformatics</i> , 2013, 14, 162.	1.2	1
61	Almost automorphic solutions of dynamic equations on time scales. <i>Journal of Functional Analysis</i> , 2013, 265, 2267-2311.	0.7	60
62	Regularity of mild solutions for a class of fractional order differential equations. <i>Applied Mathematics and Computation</i> , 2013, 224, 803-816.	1.4	13
63	Almost automorphic solutions of non-autonomous difference equations. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 407, 339-349.	0.5	34
64	Asymptotic Periodicity for Strongly Damped Wave Equations. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-14.	0.3	3
65	Uniform stability of (a,k) -regularized families. <i>Asymptotic Analysis</i> , 2013, 84, 47-60.	0.2	3
66	Spectral Criteria for Solvability of Boundary Value Problems and Positivity of Solutions of Time-Fractional Differential Equations. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-11.	0.3	19
67	Maximal regularity for degenerate differential equations with infinite delay in periodic vector-valued function spaces. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2013, 56, 853-871.	0.2	30
68	On a Class of Non-Markovian Langevin Equations. <i>Open Systems and Information Dynamics</i> , 2013, 20, 1350016.	0.5	0
69	Pseudo Asymptotic Solutions of Fractional Order Semilinear Equations. <i>Banach Journal of Mathematical Analysis</i> , 2013, 7, 42-52.	0.4	9
70	On the existence of almost automorphic solutions of Volterra difference equations. <i>Journal of Difference Equations and Applications</i> , 2012, 18, 1931-1946.	0.7	14
71	On a Functional Equation Associated with T_j . <i>ETQq1</i> 1 0.784314 rgBT /Overlock 10 Tf 50 112 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML") Resolvent Families. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-23.	0.3	14
72	Existence of Mild Solutions for a Semilinear Integrodifferential Equation with Nonlocal Initial Conditions. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-15.	0.3	14

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73	The Maximal Subspace for Generation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle a \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle , \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle k \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle$ and Applied Analysis, 2012, 2012, 1-14.		
74	The complex inversion formula in UMD spaces for families of bounded operators. Applicable Analysis, 2012, 91, 937-946.	0.6	3
75	Maximal Regularity for Perturbed Integral Equations on the Line. Integral Equations and Operator Theory, 2012, 74, 513-526.	0.4	1
76	Application of the fractional Fourier transform to image reconstruction in MRI. Magnetic Resonance in Medicine, 2012, 68, 17-29.	1.9	20
77	On a connection between powers of operators and fractional Cauchy problems. Journal of Evolution Equations, 2012, 12, 245-265.	0.6	17
78	Periodic solutions of abstract functional differential equations with infinite delay. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 2016-2023.	0.6	6
79	Periodic solutions of fractional differential equations with delay. Journal of Evolution Equations, 2011, 11, 57-70.	0.6	27
80	An operator theoretical approach to a class of fractional order differential equations. Applied Mathematics Letters, 2011, 24, 184-190.	1.5	38
81	The fractional Fourier transform and quadratic field magnetic resonance imaging. Computers and Mathematics With Applications, 2011, 62, 1576-1590.	1.4	8
82	A characterization of periodic solutions for time-fractional differential equations in $\langle i \rangle$ UMD $\langle /i \rangle$ spaces and applications. Mathematische Nachrichten, 2011, 284, 494-506.	0.4	33
83	Regularity of solutions for a third order differential equation in Hilbert spaces. Applied Mathematics and Computation, 2011, 217, 8522-8533.	1.4	13
84	Bounded solutions to a class of semilinear integro-differential equations in Banach spaces. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3397-3406.	0.6	16
85	Almost automorphic solutions to abstract Volterra equations on the line. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3805-3814.	0.6	3
86	Existence of asymptotically almost periodic solutions for damped wave equations. Journal of Mathematical Analysis and Applications, 2011, 382, 761-771.	0.5	19
87	Periodic solutions of degenerate differential equations in vector-valued function spaces. Studia Mathematica, 2011, 202, 49-63.	0.4	42
88	Bounded Mild Solutions for Semilinear Integro Differential Equations in Banach Spaces. Integral Equations and Operator Theory, 2010, 68, 207-227.	0.4	64
89	Semilinear evolution equations on discrete time and maximal regularity. Journal of Mathematical Analysis and Applications, 2010, 361, 234-245.	0.5	10
90	S -asymptotically $\tilde{\eta}$ -periodic solutions for semilinear Volterra equations. Mathematical Methods in the Applied Sciences, 2010, 33, 1628-1636.	1.2	32

#	ARTICLE	IF	CITATIONS
91	A Landau-Kolmogorov inequality for generators of families of bounded operators. Journal of Mathematical Analysis and Applications, 2010, 371, 614-623.	0.5	7
92	Bounded mild solutions of perturbed Volterra equations with infinite delay. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 3976-3983.	0.6	4
93	Fractional relaxation equations on Banach spaces. Applied Mathematics Letters, 2010, 23, 137-142.	1.5	10
94	Solutions to stochastic fractional oscillation equations. Applied Mathematics Letters, 2010, 23, 1361-1366.	1.5	7
95	Maximal Regularity for Flexible Structural Systems in Lebesgue Spaces. Mathematical Problems in Engineering, 2010, 2010, 1-15.	0.6	9
96	Well-posedness of second order evolution equation on discrete time. Journal of Difference Equations and Applications, 2010, 16, 1165-1178.	0.7	9
97	Well Posedness for a Class of Flexible Structure in Hölder Spaces. Mathematical Problems in Engineering, 2009, 2009, 1-13.	0.6	11
98	On duality and spectral properties of $(\langle i \rangle, k \langle i \rangle)$ -regularized resolvents. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2009, 139, 505-517.	0.8	17
99	Maximal Regularity of the Discrete Harmonic Oscillator Equation. Advances in Difference Equations, 2009, 2009, 1-14.	3.5	4
100	Almost Automorphic Solutions of Difference Equations. Advances in Difference Equations, 2009, 2009, 1-15.	3.5	23
101	Solutions to stochastic fractional relaxation equations. Physica Scripta, 2009, T136, 014030.	1.2	7
102	Strong solutions to stochastic Volterra equations. Journal of Mathematical Analysis and Applications, 2009, 349, 301-310.	0.5	15
103	Almost automorphic solutions to integral equations on the line. Semigroup Forum, 2009, 79, 461-472.	0.3	19
104	Compact almost automorphic solutions to integral equations with infinite delay. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 6029-6037.	0.6	37
105	Periodic solutions of integro-differential equations in vector-valued function spaces. Journal of Differential Equations, 2009, 246, 1007-1037.	1.1	22
106	Algebra homomorphisms defined via convoluted semigroups and cosine functions. Journal of Functional Analysis, 2009, 257, 3454-3487.	0.7	10
107	Maximal regularity for perturbed integral equations on periodic Lebesgue spaces. Journal of Mathematical Analysis and Applications, 2008, 348, 775-786.	0.5	8
108	Almost automorphic solutions to a class of semilinear fractional differential equations. Applied Mathematics Letters, 2008, 21, 1315-1319.	1.5	79

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109	Almost automorphic mild solutions to fractional differential equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 69, 3692-3705.	0.6	158
110	Semilinear Evolution Equations of Second Order via Maximal Regularity. <i>Advances in Difference Equations</i> , 2008, 2008, 316207.	3.5	15
111	Maximal regularity of discrete second order Cauchy problems in Banach spaces. <i>Journal of Difference Equations and Applications</i> , 2007, 13, 1129-1138.	0.7	16
112	On multiplicative perturbation of integral resolvent families. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 327, 1335-1359.	0.5	19
113	Stochastic Volterra equations driven by cylindrical Wiener process. <i>Journal of Evolution Equations</i> , 2007, 7, 373-386.	0.6	8
114	Regularity of solutions to stochastic Volterra equations with infinite delay. <i>Proceedings of the American Mathematical Society</i> , 2007, 135, 531-540.	0.4	1
115	Singular perturbations of integro-differential equations. <i>Applied Mathematics and Computation</i> , 2006, 175, 1582-1595.	1.4	6
116	Singular perturbation for Volterra equations of convolution type. <i>Applied Mathematics and Computation</i> , 2006, 181, 1624-1634.	1.4	8
117	Hölder continuous solutions for integro-differential equations and maximal regularity. <i>Journal of Differential Equations</i> , 2006, 230, 634-660.	1.1	38
118	Periodic solutions of second order differential equations in Banach spaces. <i>Mathematische Zeitschrift</i> , 2006, 253, 489-514.	0.4	43
119	Fourier multipliers and periodic solutions of delay equations in Banach spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 324, 921-933.	0.5	33
120	Maximal regularity of delay equations in Banach spaces. <i>Studia Mathematica</i> , 2006, 175, 91-102.	0.4	12
121	Fourier Multipliers and Integro-Differential Equations in Banach Spaces. <i>Journal of the London Mathematical Society</i> , 2004, 69, 737-750.	0.5	52
122	On the inversion of the Laplace transform for resolvent families in UMD spaces. <i>Archiv Der Mathematik</i> , 2003, 81, 182-192.	0.3	8
123	Rates of approximation and ergodic limits of regularized operator families. <i>Journal of Approximation Theory</i> , 2003, 122, 42-61.	0.5	27
124	ON PERTURBATION OF K-REGULARIZED RESOLVENT FAMILIES. <i>Taiwanese Journal of Mathematics</i> , 2003, 7, 217.	0.2	43
125	On approximation and representation of K-regularized resolvent families. <i>Integral Equations and Operator Theory</i> , 2001, 41, 223-229.	0.4	48
126	Regularized Solutions for Abstract Volterra Equations. <i>Journal of Mathematical Analysis and Applications</i> , 2000, 243, 278-292.	0.5	144

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127	A characterization of uniform continuity for Volterra equations in Hilbert spaces. Proceedings of the American Mathematical Society, 1998, 126, 3581-3587.	0.4	8
128	Some applications of Fejér's theorem to operator cosine functions in Banach spaces. Proceedings of the American Mathematical Society, 1997, 125, 2353-2362.	0.4	9
129	Uniform continuity and compactness for resolvent families of operators. Acta Applicandae Mathematicae, 1995, 38, 131-138.	0.5	21
130	On the Convergence and Approximation of Integrated Semigroups. Journal of Mathematical Analysis and Applications, 1994, 181, 89-103.	0.5	22
131	A mean ergodic theorem for resolvent operators. Semigroup Forum, 1993, 47, 227-230.	0.3	9
132	On Volterra equations associated with a linear operator. Proceedings of the American Mathematical Society, 1993, 118, 1159-1166.	0.4	12
133	Mild almost periodic solutions of abstract differential equations. Journal of Mathematical Analysis and Applications, 1989, 143, 560-571.	0.5	6
134	On the spectrum of cosine operator functions. Integral Equations and Operator Theory, 1989, 12, 713-724.	0.4	3
135	Spectral properties of cosine operator functions. Aequationes Mathematicae, 1988, 36, 80-98.	0.4	15
136	Semigroups on time scales and applications to abstract Cauchy problems. Topological Methods in Nonlinear Analysis, 0, , 1.	0.2	0
137	Globally attractive mild solutions for non-local in time subdiffusion equations of neutral type. Topological Methods in Nonlinear Analysis, 0, , 1.	0.2	0