M Kirane, Mokhtar Kirane

List of Publications by Year
in descending order

95 papers	1,350 citations	394421 19 h-index	395702 33 g-index
97 all docs	97 docs citations	97 times ranked	525 citing authors

#	Article	IF	Citations
1	A general blow-up result for a degenerate hyperbolic inequality in an exterior domain. Bulletin of Mathematical Sciences, 2023, 13, .	0.7	2
2	Blowing-up solutions of differential equations with shifts: A survey. Discrete and Continuous Dynamical Systems - Series S, 2023, 16, 1537-1556.	1.1	1
3	Lyapunov, Hartman-Wintner and De La Vallée Poussin-type inequalities for fractional elliptic boundary value problems. Complex Variables and Elliptic Equations, 2022, 67, 246-258.	0.8	2
4	Global Existence and Blow-up of Solutions for a System of Fractional Wave Equations. Taiwanese Journal of Mathematics, 2022, 26, .	0.4	3
5	Nonexistence of global solutions of systems of time fractional differential equations posed on the Heisenberg group. Mathematical Methods in the Applied Sciences, 2022, 45, 7336-7345.	2.3	22
6	Lyapunov‐and Hartman–Wintner‐type inequalities for a nonlinear fractional BVP with generalized $\boldsymbol{\Psi}$‐Hilfer derivative. Mathematical Methods in the Applied Sciences, 2021, 44, 2637-2649.	2.3	3
7	Global existence and blow-up for a space and time nonlocal reaction-diffusion equation. Quaestiones Mathematicae, 2021, 44, 747-753.	0.6	6
8	An Exterior Parabolic Differential Inequality Under Semilinear Dynamical Boundary Conditions. Bulletin of the Malaysian Mathematical Sciences Society, 2021, 44, 639-660.	0.9	1
9	On the sub‐diffusion fractional initial value problem with time variable order. Advances in Nonlinear Analysis, 2021, 10, 1301-1315.	2.6	7
10	Blowing-up solutions of the time-fractional dispersive equations. Advances in Nonlinear Analysis, 2021, 10, 952-971.	2.6	23
11	Blowing-up Solutions of Distributed Fractional Differential Systems. Chaos, Solitons and Fractals, 2021, 145, 110747.	5.1	5
12	Local and global existence of mild solutions of time-fractional Navier–Stokes system posed on the Heisenberg group. Zeitschrift Fur Angewandte Mathematik Und Physik, 2021, 72, 1.	1.4	2
13	Nonexistence of Global Positive Solutions for p-Laplacian Equations with Non-Linear Memory. Fractal and Fractional, 2021, 5, 189.	3.3	0
14	Blow-up of smooth solutions of the time-fractional Burgers equation. Quaestiones Mathematicae, 2020, 43, 185-192.	0.6	4
15	On Lyapunov-type inequalities for a certain class of partial differential equations. Applicable Analysis, 2020, 99, 40-49.	1.3	7
16	The global existence and asymptotic stability of solutions for a reaction–diffusion system. Nonlinear Analysis: Real World Applications, 2020, 53, 103052.	1.7	2
17	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e21" altimg="si3.svg"><mml:msup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mi>∞</mml:mi></mml:mrow></mml:mrow></ of solutions of a system of strongly coupled space–time fractional evolution equations. Applied Mathematics Letters, 2020, 103, 106174.	2.7	1
18	Nonexistence of Global Weak Solutions of a System of Nonlinear Wave Equations with Nonlinear Fractional Damping. Journal of Function Spaces, 2020, 2020, 1-8.	0.9	1

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19	Existence of solutions of fractional <i>p</i>–Laplacian systems with different critical Sobolev–Hardy exponents. Mathematical Methods in the Applied Sciences, 2020, 43, 10237-10248.	2.3	2
20	Regularization and error estimate for an initial inverse nonlocal diffusion problem. Computers and Mathematics With Applications, 2020, 79, 3331-3352.	2.7	1
21	Existence and multiplicity of solutions to fractional p-Laplacian systems with concave–convex nonlinearities. Bulletin of Mathematical Sciences, 2020, 10, 2050007.	0.7	7
22	Solution blow–up for a fractional in time acoustic wave equation. Mathematical Methods in the Applied Sciences, 2020, 43, 6566-6575.	2.3	0
23	Extended Global Asymptotic Stability Conditions for a Generalized Reaction–Diffusion System. Acta Applicandae Mathematicae, 2019, 160, 1-20.	1.0	3
24	Some Inequalities Involving Fractional q-Derivatives Related to the q-Leibniz Rule. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 3223-3231.	0.9	0
25	Local and blowing–up solutions for a space–time fractional evolution system with nonlinearities of exponential growth. Mathematical Methods in the Applied Sciences, 2019, 42, 4378-4393.	2.3	1
26	On an inverse problem of reconstructing a subdiffusion process from nonlocal data. Mathematical Methods in the Applied Sciences, 2019, 42, 2043-2052.	2.3	23
27	Hermite–Hadamard, Hermite–Hadamard–Fejér, Dragomir–Agarwal and Pachpatte type inequalities for convex functions via new fractional integrals. Journal of Computational and Applied Mathematics, 2019, 353, 120-129.	2.0	67
28	On systems of reaction–diffusion equations with a balance law: The sequel. Computers and Mathematics With Applications, 2019, 78, 1244-1260.	2.7	2
29	On local existence and blowup of solutions for a time–space fractional diffusion equation with exponential nonlinearity. Mathematical Methods in the Applied Sciences, 2019, 42, 1819-1830.	2.3	4
30	On the absence of global solutions for quantum versions of Schrödinger equations and systems. Computers and Mathematics With Applications, 2019, 77, 740-751.	2.7	0
31	A derivative concept with respect to an arbitrary kernel and applications to fractional calculus. Mathematical Methods in the Applied Sciences, 2019, 42, 137-160.	2.3	12
32	Existence and uniqueness of mild solution of time-fractional semilinear differential equations with a nonlocal final condition. Computers and Mathematics With Applications, 2019, 78, 1651-1668.	2.7	5
33	On a semi-linear system of nonlocal time and space reaction diffusion equations with exponential nonlinearities. Journal of Integral Equations and Applications, 2018, 30, .	0.6	3
34	Approximation of an Inverse Initial Problem for a Biparabolic Equation. Mediterranean Journal of Mathematics, 2018, 15, 1.	0.8	10
35	Infinitely many weak solutions for <i>p</i>(<i>x</i>)-Laplacian-like problems with Neumann condition. Complex Variables and Elliptic Equations, 2018, 63, 23-36.	0.8	11
36	A triangular nonlinear reaction–fractional diffusion system with a balance law. Mathematical Methods in the Applied Sciences, 2018, 41, 1825-1830.	2.3	3

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37	Corrigendum to "On the absence of global weak solutions for some differential inequalities of Sobolev type in an exterior domain"·[<i>Math Meth Appl Sci</i>. 2018;1–15. https://doi.org/10.1002/mma.5080]. Mathematical Methods in the Applied Sciences, 2018, 41, 8344-8344.	2.3	0
38	Regularization and error estimate of infinite-time ruin probabilities for Cramer–Lundberg model. Mathematical Methods in the Applied Sciences, 2018, 41, 3820-3831.	2.3	1
39	Finite time blow-up for damped wave equations with space–time dependent potential and nonlinear memory. Nonlinear Differential Equations and Applications, 2018, 25, 1.	0.8	10
40	On the absence of global weak solutions for some differential inequalities of Sobolev type in an exterior domain. Mathematical Methods in the Applied Sciences, 2018, 41, 5293-5307.	2.3	0
41	On a Riesz–Feller space fractional backward diffusion problem with a nonlinear source. Journal of Computational and Applied Mathematics, 2017, 312, 103-126.	2.0	19
42	Global existence and asymptotic behavior for a time fractional reaction–diffusion system. Computers and Mathematics With Applications, 2017, 73, 951-958.	2.7	15
43	Nonexistence results for higher order pseudo–parabolic equations in the Heisenberg group. Mathematical Methods in the Applied Sciences, 2017, 40, 1280-1287.	2.3	2
44	Nonexistence results for the Cauchy problem of time fractional nonlinear systems of thermo–elasticity. Mathematical Methods in the Applied Sciences, 2017, 40, 4272-4279.	2.3	10
45	An inverse problem for space and time fractional evolution equations with an involution perturbation. Quaestiones Mathematicae, 2017, 40, 151-160.	0.6	25
46	Regularization of an inverse nonlinear parabolic problem with time-dependent coefficient and locally Lipschitz source term. Journal of Mathematical Analysis and Applications, 2017, 449, 697-717.	1.0	1
47	A numerical approach based on ln–shifted Legendre polynomials for solving a fractional model of pollution. Mathematical Methods in the Applied Sciences, 2017, 40, 7356-7367.	2.3	6
48	The International Conference: Mathematical and computational modelling in science and technology. Mathematical Methods in the Applied Sciences, 2017, 40, 6053-6053.	2.3	0
49	Filter regularization for final value fractional diffusion problem with deterministic and random noise. Computers and Mathematics With Applications, 2017, 74, 1340-1361.	2.7	9
50	A Survey of Useful Inequalities in Fractional Calculus. Fractional Calculus and Applied Analysis, 2017, 20, 574-594.	2.2	30
51	Lyapunov-type inequalities for fractional partial differential equations. Applied Mathematics Letters, 2017, 66, 30-39.	2.7	29
52	Identification and regularization for unknown source for a time-fractional diffusion equation. Computers and Mathematics With Applications, 2017, 73, 931-950.	2.7	18
53	A New Fourier Truncated Regularization Method for Semilinear Backward Parabolic Problems. Acta Applicandae Mathematicae, 2017, 148, 143-155.	1.0	11
54	Hartman-Wintner-Type Inequality for a Fractional Boundary Value Problem via a Fractional Derivative with respect to Another Function. Discrete Dynamics in Nature and Society, 2017, 2017, 1-8.	0.9	11

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55	On blowing-up solutions for multi-time nonlinear hyperbolic equations and systems. Filomat, 2017, 31, 2599-2609.	0.5	0
56	On a reaction diffusion equation with nonlinear time–nonlocal source term. Mathematical Methods in the Applied Sciences, 2016, 39, 236-244.	2.3	4
57	Nonexistence results for the Cauchy problem for some fractional nonlinear systems of thermo–elasticity type. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2016, 96, 1119-1128.	1.6	1
58	Nonexistence results for some nonlinear nonlocal elliptic inequalities with variable exponents. Mathematical Methods in the Applied Sciences, 2016, 39, 5529-5538.	2.3	0
59	On a nonlocal problem for the Laplace equation in the unit ball with fractional boundary conditions. Mathematical Methods in the Applied Sciences, 2016, 39, 1121-1128.	2.3	14
60	Nonexistence results for pseudo-parabolic equations in the Heisenberg group. Monatshefte Fur Mathematik, 2016, 180, 255-270.	0.9	5
61	Uniform and weak stability of Bresse system with two infinite memories. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	1.4	21
62	A cluster of many small holes with negative imaginary surface impedances may generate a negative refraction index. Mathematical Methods in the Applied Sciences, 2016, 39, 3607-3622.	2.3	5
63	Global existence of solutions to a nonlinear anomalous diffusion system. Applied Mathematics Letters, 2016, 59, 60-64.	2.7	3
64	Blow-up Results for Fractional Evolution Problems with Nonlocal Diffusion. Mediterranean Journal of Mathematics, 2016, 13, 3513-3523.	0.8	5
65	Inverse problems for a nonlocal wave equation with an involution perturbation. Journal of Nonlinear Science and Applications, 2016, 09, 1243-1251.	1.0	38
66	Nonexistence results for a class of evolution equations in the Heisenberg group. Fractional Calculus and Applied Analysis, 2015, 18, 717-734.	2.2	6
67	Nonexistence of Solutions of Some Non-Linear Non-Local Evolution Systems on the Heisenberg Group. Fractional Calculus and Applied Analysis, 2015, 18, 1336-1349.	2.2	3
68	Maximum principle for certain generalized time and space fractional diffusion equations. Quarterly of Applied Mathematics, 2015, 73, 163-175.	0.7	45
69	Life span of solutions to a nonlocal in time nonlinear fractional Schrödinger equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 1473-1482.	1.4	13
70	On one class of persymmetric matrices generated by boundary value problems for differential equations of fractional order. Applied Mathematics and Computation, 2015, 268, 151-163.	2.2	6
71	On Nonlinear Nonlocal Systems of Reaction Diffusion Equations. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.7	2
72	Nonexistence of global solutions for a class of two-time nonlinear evolution equations. Computers and Mathematics With Applications, 2014, 68, 2028-2035.	2.7	3

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73	Nonlinear fractional differential equations of Sobolev type. Mathematical Methods in the Applied Sciences, 2014, 37, 2009-2016.	2.3	16
74	Non-existence of Global Solutions to a System of Fractional Diffusion Equations. Acta Applicandae Mathematicae, 2014, 133, 235-248.	1.0	25
75	An inverse problem for a generalized fractional diffusion. Applied Mathematics and Computation, 2014, 249, 24-31.	2.2	51
76	An inverse source problem for a two dimensional time fractional diffusion equation with nonlocal boundary conditions. Mathematical Methods in the Applied Sciences, 2013, 36, 1056-1069.	2.3	101
77	Blowingâ€up solutions to twoâ€times fractional differential equations. Mathematische Nachrichten, 2013, 286, 1797-1804.	0.8	5
78	Boundary-value problems for differential equations of fractional order. Journal of Mathematical Sciences, 2013, 194, 499-512.	0.4	21
79	Qualitative properties of solutions to a time-space fractional evolution equation. Quarterly of Applied Mathematics, 2012, 70, 133-157.	0.7	54
80	On the nonexistence of blowing-up solutions to a fractional functional-differential equation. Georgian Mathematical Journal, 2012, 19, .	0.6	19
81	Existence and asymptotic stability of a viscoelastic wave equation with a delay. Zeitschrift Fur Angewandte Mathematik Und Physik, 2011, 62, 1065-1082.	1.4	122
82	Qualitative properties of solutions to a nonlocal evolution system. Mathematical Methods in the Applied Sciences, 2011, 34, 1125-1143.	2.3	9
83	Determination of an unknown source term and the temperature distribution for the linear heat equation involving fractional derivative in time. Applied Mathematics and Computation, 2011, 218, 163-170.	2.2	69
84	Global nonexistence results for a class of hyperbolic systems. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 6130-6143.	1.1	2
85	Absence of local and global solutions to an elliptic system with time-fractional dynamical boundary conditions. Siberian Mathematical Journal, 2007, 48, 477-488.	0.6	19
86	Nonexistence for the Laplace equation with a dynamical boundary condition of fractional type. Siberian Mathematical Journal, 2007, 48, 849-856.	0.6	10
87	Critical exponents of Fujita type for certain evolution equations and systems with spatio-temporal fractional derivatives. Journal of Mathematical Analysis and Applications, 2005, 312, 488-501.	1.0	92
88	Nonexistence of global solutions to a hyperbolic equation with a spaceâ€"time fractional damping. Applied Mathematics and Computation, 2005, 167, 1304-1310.	2.2	15
89	Existence and asymptotic behavior for a convection problem. Nonlinear Analysis: Theory, Methods & Applications, 2004, 59, 407-424.	1.1	1
90	Fujitaâ€™s Exponent for a Semilinear Wave Equation with Linear Damping. Advanced Nonlinear Studies, 2002, 2, 41-49.	1.7	32

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91	Global Solutions of Reaction–Diffusion Systems with a Balance Law and Nonlinearities of Exponential Growth. Journal of Differential Equations, 2000, 165, 24-41.	2.2	18
92	Diffusion Terms in Systems of Reaction Diffusion Equations Can Lead to Blow Up. Journal of Mathematical Analysis and Applications, 1998, 218, 325-327.	1.0	7
93	Pointwisea priori bounds for a strongly coupled system of reaction-diffusion equations with a balance law. Mathematical Methods in the Applied Sciences, 1998, 21, 1227-1232.	2.3	9
94	Temperature growth and temperature bounds in special cases of combustion models. Applicable Analysis, 1993, 50, 131-144.	1.3	5
95	Global bounds and asymptotics for a system of reaction-diffusion equations. Journal of Mathematical Analysis and Applications, 1989, 138, 328-342.	1.0	31