

# Yavar Kian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5071131/publications.pdf>

Version: 2024-02-01

59  
papers

753  
citations

567281

15  
h-index

642732

23  
g-index

60  
all docs

60  
docs citations

60  
times ranked

158  
citing authors

#	ARTICLE	IF	CITATIONS
1	On Existence and Uniqueness of Solutions for Semilinear Fractional Wave Equations. <i>Fractional Calculus and Applied Analysis</i> , 2017, 20, 117-138.	2.2	75
2	Global uniqueness in an inverse problem for time fractional diffusion equations. <i>Journal of Differential Equations</i> , 2018, 264, 1146-1170.	2.2	65
3	On Time-Fractional Diffusion Equations with Space-Dependent Variable Order. <i>Annales Henri Poincare</i> , 2018, 19, 3855-3881.	1.7	43
4	Determination of time dependent factors of coefficients in fractional diffusion equations. <i>Mathematical Control and Related Fields</i> , 2016, 6, 251-269.	1.1	39
5	Reconstruction and stable recovery of source terms and coefficients appearing in diffusion equations. <i>Inverse Problems</i> , 2019, 35, 115006.	2.0	25
6	Logarithmic stability in determining the time-dependent zero order coefficient in a parabolic equation from a partial Dirichlet-to-Neumann map. Application to the determination of a nonlinear term. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2018, 114, 235-261.	1.6	23
7	Stable Determination of Time-Dependent Scalar Potential from Boundary Measurements in a Periodic Quantum Waveguide. <i>SIAM Journal on Mathematical Analysis</i> , 2015, 47, 4536-4558.	1.9	22
8	The uniqueness of inverse problems for a fractional equation with a single measurement. <i>Mathematische Annalen</i> , 2021, 380, 1465-1495.	1.4	22
9	Stability in the determination of a time-dependent coefficient for wave equations from partial data. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 436, 408-428.	1.0	19
10	The Calderón inverse problem for isotropic quasilinear conductivities. <i>Advances in Mathematics</i> , 2021, 391, 107956.	1.1	19
11	Well-Posedness for Weak and Strong Solutions of Non-Homogeneous Initial Boundary Value Problems for Fractional Diffusion Equations. <i>Fractional Calculus and Applied Analysis</i> , 2021, 24, 168-201.	2.2	19
12	A Carleman estimate for infinite cylindrical quantum domains and the application to inverse problems. <i>Inverse Problems</i> , 2014, 30, 055016.	2.0	18
13	Recovery of Time-Dependent Damping Coefficients and Potentials Appearing in Wave Equations from Partial Data. <i>SIAM Journal on Mathematical Analysis</i> , 2016, 48, 4021-4046.	1.9	18
14	Initial-boundary value problem for distributed order time-fractional diffusion equations. <i>Asymptotic Analysis</i> , 2019, 115, 95-126.	0.5	18
15	Uniqueness and stability results for an inverse spectral problem in a periodic waveguide. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2015, 104, 1160-1189.	1.6	17
16	Stability of the determination of a time-dependent coefficient in parabolic equations. <i>Mathematical Control and Related Fields</i> , 2013, 3, 143-160.	1.1	17
17	A stability result for a time-dependent potential in a cylindrical domain. <i>Inverse Problems</i> , 2013, 29, 065006.	2.0	16
18	Hölder stable determination of a quantum scalar potential in unbounded cylindrical domains. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 426, 194-210.	1.0	16

#	ARTICLE	IF	CITATIONS
19	Stability of the determination of a coefficient for wave equations in an infinite waveguide. <i>Inverse Problems and Imaging</i> , 2014, 8, 713-732.	1.1	16
20	Unique determination of a time-dependent potential for wave equations from partial data. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2017, 34, 973-990.	1.4	15
21	An inverse stability result for non-compactly supported potentials by one arbitrary lateral Neumann observation. <i>Journal of Differential Equations</i> , 2016, 260, 7535-7562.	2.2	14
22	Inverse source problems in elastodynamics. <i>Inverse Problems</i> , 2018, 34, 045009.	2.0	12
23	Inverse moving source problems in electrodynamics. <i>Inverse Problems</i> , 2019, 35, 075001.	2.0	12
24	Recovery of Time-Dependent Coefficient on Riemannian Manifold for Hyperbolic Equations. <i>International Mathematics Research Notices</i> , 2019, 2019, 5087-5126.	1.0	12
25	Reconstruction of a Space-Time-Dependent Source in Subdiffusion Models via a Perturbation Approach. <i>SIAM Journal on Mathematical Analysis</i> , 2021, 53, 4445-4473.	1.9	12
26	Partial data inverse problems for quasilinear conductivity equations. <i>Mathematische Annalen</i> , 2023, 385, 1611-1638.	1.4	12
27	Hölder Stably Determining the Time-Dependent Electromagnetic Potential of the Schrödinger Equation. <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 627-647.	1.9	11
28	Uniqueness to Some Inverse Source Problems for the Wave Equation in Unbounded Domains. <i>Acta Mathematicae Applicatae Sinica</i> , 2020, 36, 134-150.	0.7	11
29	An Inverse Problem for the Magnetic Schrödinger Equation in Infinite Cylindrical Domains. <i>Publications of the Research Institute for Mathematical Sciences</i> , 2018, 54, 679-728.	0.8	10
30	Identification of time-varying source term in time-fractional diffusion equations. <i>Communications in Mathematical Sciences</i> , 2022, 20, 53-84.	1.0	10
31	A multidimensional Borg-Levinson theorem for magnetic Schrödinger operators with partial spectral data. <i>Journal of Spectral Theory</i> , 2018, 8, 235-269.	0.8	9
32	Unique recovery of lower order coefficients for hyperbolic equations from data on disjoint sets. <i>Journal of Differential Equations</i> , 2019, 267, 2210-2238.	2.2	9
33	Recovering multiple fractional orders in time-fractional diffusion in an unknown medium. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20210468.	2.1	9
34	Recovery of the Order of Derivation for Fractional Diffusion Equations in an Unknown Medium. <i>SIAM Journal on Applied Mathematics</i> , 2022, 82, 1045-1067.	1.8	8
35	Logarithmic stability inequality in an inverse source problem for the heat equation on a waveguide. <i>Applicable Analysis</i> , 2020, 99, 2210-2228.	1.3	7
36	Recovery of time-dependent coefficients from boundary data for hyperbolic equations. <i>Journal of Spectral Theory</i> , 2021, 11, 1107-1143.	0.8	7

#	ARTICLE	IF	CITATIONS
37	Determination of singular time-dependent coefficients for wave equations from full and partial data. <i>Inverse Problems and Imaging</i> , 2018, 12, 745-772.	1.1	7
38	Carleman estimate for the Schrödinger equation and application to magnetic inverse problems. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 474, 116-142.	1.0	6
39	Application of the boundary control method to partial data Borg-Levinson inverse spectral problem. <i>Mathematical Control and Related Fields</i> , 2019, 9, 289-312.	1.1	6
40	On the Calderón problem in periodic cylindrical domain with partial Dirichlet and Neumann data. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 5959-5974.	2.3	5
41	Recovery of Nonsmooth Coefficients Appearing in Anisotropic Wave Equations. <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 4953-4976.	1.9	5
42	Uniqueness and stability for the recovery of a time-dependent source in elastodynamics. <i>Inverse Problems and Imaging</i> , 2020, 14, 463-487.	1.1	5
43	Cauchy problem for semilinear wave equation with time-dependent metrics. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2010, 73, 2204-2212.	1.1	4
44	Stability result for elliptic inverse periodic coefficient problem by partial Dirichlet-to-Neumann map. <i>Journal of Spectral Theory</i> , 2018, 8, 733-768.	0.8	4
45	RECOVERY OF NON-COMPACTLY SUPPORTED COEFFICIENTS OF ELLIPTIC EQUATIONS ON AN INFINITE WAVEGUIDE. <i>Journal of the Institute of Mathematics of Jussieu</i> , 2020, 19, 1573-1600.	0.7	4
46	Determination of non-compactly supported electromagnetic potentials in an unbounded closed waveguide. <i>Revista Matemática Iberoamericana</i> , 2019, 36, 671-710.	0.9	3
47	Hölder-stable recovery of time-dependent electromagnetic potentials appearing in a dynamical anisotropic Schrödinger equation. <i>Inverse Problems and Imaging</i> , 2020, 14, 819-839.	1.1	3
48	An inverse problem for a quasilinear convection-diffusion equation. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2022, 222, 112921.	1.1	3
49	Simultaneous determination of different class of parameters for a diffusion equation from a single measurement. <i>Inverse Problems</i> , 0, , .	2.0	3
50	Global Strichartz estimates for the wave equation with a time-periodic non-trapping metric. <i>Asymptotic Analysis</i> , 2010, 68, 41-76.	0.5	2
51	On the determination of nonlinear terms appearing in semilinear hyperbolic equations. <i>Journal of the London Mathematical Society</i> , 2021, 104, 572-595.	1.0	2
52	Determining the Scalar Potential in a Periodic Quantum Waveguide from the DN Map. <i>Springer INdAM Series</i> , 2014, , 93-105.	0.5	1
53	A Borg-Levinson theorem for magnetic Schrödinger operators on a Riemannian manifold. <i>Annales De L'Institut Fourier</i> , 0, , 1-47.	0.6	1
54	The enclosure method for the detection of variable order in fractional diffusion equations. <i>Inverse Problems and Imaging</i> , 2022, .	1.1	1

#	ARTICLE	IF	CITATIONS
55	Heat trace asymptotics and boundedness in the second order Sobolev space of isospectral potentials for the Dirichlet Laplacian. <i>Asymptotic Analysis</i> , 2015, 92, 259-278.	0.5	0
56	Inverse parabolic problems of determining functions with one spatial-component independence by Carleman estimate. <i>Journal of Inverse and Ill-Posed Problems</i> , 2021, .	1.0	0
57	Stable recovery of noncompactly supported electromagnetic potentials in unbounded domain. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	0
58	Local energy decay for the wave equation with a time-periodic non-trapping metric and moving obstacle. <i>Cubo</i> , 2012, 14, 153-173.	0.5	0
59	Global recovery of a time-dependent coefficient for the wave equation from a single measurement. <i>Asymptotic Analysis</i> , 2022, , 1-27.	0.5	0