

# Am Mathai

## List of Publications by Year in descending order

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35  
papers

1,057  
citations

567144

15  
h-index

414303

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analogues of reliability analysis for matrix-variate cases. Linear Algebra and Its Applications, 2017, 532, 287-311.	0.4	6
2	Erdős-Kober fractional integral operators from a statistical perspective -II. Cogent Mathematics, 2017, 4, 1309769.	0.4	2
3	Multivariate and matrix-variate analogues of Maxwell-Boltzmann and Raleigh densities. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 668-676.	1.2	8
4	Fractional differential operators in the complex matrix-variate case. Linear Algebra and Its Applications, 2015, 478, 200-217.	0.4	8
5	Computational solutions of unified fractional reaction-diffusion equations with composite fractional time derivative. Communications in Nonlinear Science and Numerical Simulation, 2015, 27, 1-11.	1.7	7
6	Evaluation of matrix-variate gamma and beta integrals as multiple integrals and Koberfractional integral operators in the complex matrix variate case. Applied Mathematics and Computation, 2014, 247, 312-318.	1.4	5
7	Fractional integral operators involving many matrix variables. Linear Algebra and Its Applications, 2014, 446, 196-215.	0.4	18
8	Generalized Boltzmann factors induced by Weibull-type distributions. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 545-551.	1.2	1
9	Fractional integral operators in the complex matrix variate case. Linear Algebra and Its Applications, 2013, 439, 2901-2913.	0.4	16
10	A pathway from Bayesian statistical analysis to superstatistics. Applied Mathematics and Computation, 2011, 218, 799-804.	1.4	14
11	Further solutions of fractional reaction-diffusion equations in terms of the $H$ -function. Journal of Computational and Applied Mathematics, 2011, 235, 1311-1316.	1.1	34
12	On generalized distributions and pathways. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2109-2113.	0.9	42
13	Pathway parameter and thermonuclear functions. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 2462-2470.	1.2	6
14	Pathway model, superstatistics, Tsallis statistics, and a generalized measure of entropy. Physica A: Statistical Mechanics and Its Applications, 2007, 375, 110-122.	1.2	125
15	On generalized entropy measures and pathways. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 493-500.	1.2	25
16	Random volumes under a general matrix-variate model. Linear Algebra and Its Applications, 2007, 425, 162-170.	0.4	8
17	On $q$ -Logistic and Related Models. IEEE Transactions on Reliability, 2006, 55, 237-244.	3.5	13
18	A pathway to matrix-variate gamma and normal densities. Linear Algebra and Its Applications, 2005, 396, 317-328.	0.4	130

#	ARTICLE	IF	CITATIONS
19	Some complex matrix-variate statistical distributions on rectangular matrices. <i>Linear Algebra and Its Applications</i> , 2005, 410, 198-216.	0.4	24
20	Unified Fractional Kinetic Equation and a Fractional Diffusion Equation. <i>Astrophysics and Space Science</i> , 2004, 290, 299-310.	0.5	82
21	Boltzmann-Gibbs Entropy Versus Tsallis Entropy: Recent Contributions to Resolving the Argument of Einstein Concerning "Neither Herr Boltzmann nor Herr Planck has Given a Definition of $W$ ". <i>Astrophysics and Space Science</i> , 2004, 290, 241-245.	0.5	20
22	Astrophysical thermonuclear functions for Boltzmann-Gibbs statistics and Tsallis statistics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 649-656.	1.2	20
23	On generalized fractional kinetic equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 657-664.	1.2	137
24	Review of mathematical techniques applicable in astrophysical reaction rate theory. <i>Astrophysics and Space Science</i> , 2002, 282, 265-280.	0.5	13
25	On fractional kinetic equations. <i>Astrophysics and Space Science</i> , 2002, 282, 281-287.	0.5	113
26	Analytical study of thermonuclear reaction probability integrals. <i>Astrophysics and Space Science</i> , 2000, 273, 43-52.	0.5	0
27	The fractional kinetic equation and thermonuclear functions. <i>Astrophysics and Space Science</i> , 2000, 273, 53-63.	0.5	124
28	A whittaker function of matrix argument. <i>Linear Algebra and Its Applications</i> , 1998, 269, 91-103.	0.4	2
29	On Thermonuclear Reaction Rates. <i>Astrophysics and Space Science</i> , 1997, 258, 185-199.	0.5	15
30	Some properties of matrix-variate Laplace transforms and matrix-variate Whittaker functions. <i>Linear Algebra and Its Applications</i> , 1997, 253, 209-226.	0.4	2
31	Hypergeometric Functions of Many Matrix Variables and Distributions of Generalized Quadratic Forms. <i>American Journal of Mathematical and Management Sciences</i> , 1995, 15, 343-354.	0.6	1
32	The residual effect of a growth-decay mechanism and the distributions of covariance structures. <i>Canadian Journal of Statistics</i> , 1993, 21, 277-283.	0.6	16
33	On linear functions of certain noncentral versions of independent gamma variables. <i>Journal of Multivariate Analysis</i> , 1992, 41, 178-193.	0.5	4
34	Maximizing the sum of integers when their sum of squares is fixed. <i>Optimization</i> , 1988, 19, 123-131.	1.0	2
35	Further results on the trace of a noncentral wishart matrix. <i>Communications in Statistics - Theory and Methods</i> , 1982, 11, 1077-1086.	0.6	14