

Ram N Mohapatra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5030085/publications.pdf>

Version: 2024-02-01

100
papers

1,141
citations

471509

17
h-index

454955

30
g-index

103
all docs

103
docs citations

103
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Series solutions of nano boundary layer flows by means of the homotopy analysis method. Journal of Mathematical Analysis and Applications, 2008, 343, 233-245.	1.0	105
2	Linearly connected sequences and spectrally optimal dual frames for erasures. Journal of Functional Analysis, 2013, 265, 2855-2876.	1.4	75
3	The explicit series solution of SIR and SIS epidemic models. Applied Mathematics and Computation, 2009, 215, 653-669.	2.2	74
4	Bernstein-Type Inequalities for Rational Functions with Prescribed Poles. Journal of the London Mathematical Society, 1995, 51, 523-531.	1.0	55
5	Lattice-valued spaces: Fuzzy convergence. Fuzzy Sets and Systems, 2006, 157, 2706-2714.	2.7	42
6	Implicit differential equation arising in the steady flow of a Sisko fluid. Applied Mathematics and Computation, 2009, 210, 189-196.	2.2	42
7	Review and insight on the behavioral aspects of cybersecurity. Cybersecurity, 2020, 3, .	4.7	41
8	Degree of approximation of functions in the Hölder metric. Acta Mathematica Hungarica, 1983, 41, 67-76.	0.5	40
9	Local approximation by a variant of Bernstein-Durrmeyer operators. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 3372-3381.	1.1	39
10	An analytical solution for a nonlinear time-delay model in biology. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3141-3148.	3.3	36
11	Quantitative results on almost convergence of a sequence of positive linear operators. Journal of Approximation Theory, 1977, 20, 239-250.	0.8	35
12	Grass-Type Inequalities. Journal of Mathematical Analysis and Applications, 2002, 267, 434-443.	1.0	27
13	On existence theorems for some generalized nonlinear functional-integral equations with applications. Filomat, 2017, 31, 2081-2091.	0.5	27
14	On fluid dynamic drag reduction in some boundary layer flows. Acta Mechanica, 1990, 81, 59-68.	2.1	26
15	Existence and nonuniqueness of solutions of a singular nonlinear boundary-layer problem. Journal of Mathematical Analysis and Applications, 1991, 159, 251-270.	1.0	21
16	Riesz bases and their dual modular frames in Hilbert C^* -modules. Journal of Mathematical Analysis and Applications, 2008, 343, 246-256.	1.0	21
17	Inequalities for the Polar Derivative of a Polynomial. Complex Analysis and Operator Theory, 2012, 6, 1199-1209.	0.6	18
18	Quintic nonpolynomial spline method for the solution of a second-order boundary-value problem with engineering applications. Computers and Mathematics With Applications, 2011, 62, 1707-1714.	2.7	17

#	ARTICLE	IF	CITATIONS
19	On solutions of some singular, non-Linear differential equations arising in boundary layer theory. Journal of Mathematical Analysis and Applications, 1991, 155, 499-512.	1.0	16
20	Extension of the Method of Quasilinearization and Rapid Convergence. Journal of Optimization Theory and Applications, 1998, 96, 667-682.	1.5	16
21	A certain family of mixed summation-integral type operators. Mathematical and Computer Modelling, 2005, 42, 181-191.	2.0	16
22	Dilation of Dual Frame Pairs in Hilbert C*-Modules. Results in Mathematics, 2013, 63, 241-250.	0.8	16
23	Perturbation of frames and Riesz bases in Hilbert C^* -modules. Linear Algebra and Its Applications, 2009, 431, 746-759.	0.9	14
24	Simple proofs of Bernstein-type inequalities. Proceedings of the American Mathematical Society, 1988, 102, 629-632.	0.8	13
25	α -invexity in multiobjective optimization. Nonlinear Analysis: Theory, Methods & Applications, 2009, 70, 2288-2296.	1.1	13
26	CONSTRUCTION OF FRACTAL SURFACES. Fractals, 2020, 28, 2050033.	3.7	13
27	Subordinations for analytic functions defined by the Dziok-Srivastava linear operator. Applied Mathematics and Computation, 2007, 187, 13-19.	2.2	12
28	Local approximation by Beta operators. Nonlinear Analysis: Theory, Methods & Applications, 2005, 62, 41-52.	1.1	10
29	Nonsmooth (\hat{I}, \hat{I}) -invexity in multiobjective programming problems. Optimization Letters, 2012, 6, 253-260.	1.6	10
30	A new RGB image encryption using generalized Vigenere-type table over symmetric group associated with virtual planet domain. Multimedia Tools and Applications, 2019, 78, 10227-10263.	3.9	10
31	Computation of generalized inverses of tensors via \otimes -product. Numerical Linear Algebra With Applications, 2022, 29, e2416.	1.6	10
32	Integral inequalities related to Hardy's inequality. Aequationes Mathematicae, 1985, 28, 199-207.	0.8	9
33	On Markov's Inequality on \mathbb{R} for the Hermite Weight. Journal of Approximation Theory, 1993, 75, 115-129.	0.8	9
34	An Improved Quasilinearization Method for Second Order Nonlinear Boundary Value Problems. Journal of Mathematical Analysis and Applications, 1997, 214, 55-62.	1.0	9
35	On the Bernstein Inequality for Rational Functions with a Prescribed Zero. Journal of Approximation Theory, 1998, 95, 476-496.	0.8	9
36	Constrained quadratic correlation filters for target detection. Applied Optics, 2004, 43, 304.	2.1	9

#	ARTICLE	IF	CITATIONS
37	On the Applications of Nonsmooth Vector Optimization Problems to Solve Generalized Vector Variational Inequalities Using Convexificators. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 660-671.	0.6	9
38	Some properties of semi ϵ - β -vex functions. <i>Applied Mathematics and Computation</i> , 2011, 217, 5525-5530.	2.2	8
39	Approximation solvability of a class of A -monotone implicit variational inclusion problems in semi-inner product spaces. <i>Applied Mathematics and Computation</i> , 2014, 236, 109-117.	2.2	8
40	Extremal polynomials for weighted Markov inequalities. <i>Journal of Approximation Theory</i> , 1987, 51, 267-273.	0.8	7
41	Some Second Order Nonlinear Systems Arising in Natural Convection Heat Transfer. <i>Journal of Mathematical Analysis and Applications</i> , 1993, 176, 346-358.	1.0	7
42	A Sharp Inequality of Markov Type for Polynomials Associated with Laguerre Weight. <i>Journal of Approximation Theory</i> , 2001, 113, 221-228.	0.8	7
43	Inequalities for polynomials not vanishing in a disk. <i>Applied Mathematics and Computation</i> , 2011, 218, 949-955.	2.2	7
44	Approximation properties of generalized Jain operators. <i>Filomat</i> , 2016, 30, 2359-2366.	0.5	7
45	Summability factors for lower-semi-matrix transformations. <i>Monatshefte Fur Mathematik</i> , 1975, 79, 307-315.	0.9	6
46	Functions of class $Lip(\hat{1}, p)$ and their Taylor mean. <i>Journal of Approximation Theory</i> , 1985, 45, 363-374.	0.8	6
47	Generalized Quasilinearization Method and Rapid Convergence for First Order Initial Value Problems. <i>Journal of Mathematical Analysis and Applications</i> , 1997, 207, 206-219.	1.0	6
48	On trigonometric approximation of functions in the $L^{p,q}$ norm. <i>Demonstratio Mathematica</i> , 2018, 51, 17-26.	1.5	6
49	Linear ϵ -feedback shift register based multi ϵ -ant cellular automation and chaotic map based image encryption. <i>Security and Privacy</i> , 2018, 1, e52.	2.7	6
50	SAS-SIP: A secure authentication scheme based on ECC and a fuzzy extractor for session initiation protocol. <i>Cryptologia</i> , 2019, 43, 212-232.	0.5	6
51	Spectrally two-uniform frames for erasures. <i>Operators and Matrices</i> , 2015, , 383-399.	0.3	6
52	On Matrix Operators on the Series Space $N_{\hat{1}, k} \left\{ \overline{N} \right\}_p^{\{\eta\}} \left\{ \right\}_k$. <i>Ukrainian Mathematical Journal</i> , 2018, 69, 1772-1783.	0.5	5
53	Fractal Frames of Functions on the Rectangle. <i>Fractal and Fractional</i> , 2021, 5, 42.	3.3	5
54	Some Properties of the Fractal Convolution of Functions. <i>Fractional Calculus and Applied Analysis</i> , 2021, 24, 1735-1757.	2.2	5

#	ARTICLE	IF	CITATIONS
55	Second and higher order duality in Banach space under η -invexity. <i>Nonlinear Analysis: Hybrid Systems</i> , 2011, 5, 457-466.	3.5	4
56	On absolute summability factors of infinite series and their application to Fourier series. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1967, 63, 107-118.	0.4	3
57	Saturation results for a class of linear operators. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1983, 94, 133-148.	0.4	3
58	The number of "effective modes" of the two- and three-dimensional nonlinear Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988, 131, 265-272.	2.1	3
59	Degree of Approximation of Hölder Continuous Functions. <i>Mathematische Nachrichten</i> , 1989, 140, 91-96.	0.8	3
60	On an analogue of Hardy's inequality. <i>Archiv Der Mathematik</i> , 1993, 60, 157-163.	0.5	3
61	Second-order nonlinear systems arising in convection flow of a micropolar fluid. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1994, 22, 1409-1421.	1.1	3
62	Approximation by Durrmeyer's Bezier operators. <i>Nonlinear Analysis: Real World Applications</i> , 2008, 9, 1491-1498.	1.7	3
63	Spectral properties of generalized eigenparameter dependent discrete Sturm-Liouville type equation. <i>Quaestiones Mathematicae</i> , 2017, 40, 491-505.	0.6	3
64	On approximation properties of Baskakov's Stancu operators using hypergeometric representation. <i>Applied Mathematics and Computation</i> , 2017, 294, 77-86.	2.2	3
65	Approximation by the K_n means of Fourier series and conjugate series of functions in $H^{\pm, p}$. <i>Applicable Analysis and Discrete Mathematics</i> , 2020, 14, 800-818.	0.7	3
66	Norm inequalities which yield inclusion for Euler sequence spaces. <i>Computers and Mathematics With Applications</i> , 1995, 30, 383-387.	2.7	2
67	Optimal-order approximation by mixed three-directional spline elements. <i>Computers and Mathematics With Applications</i> , 2000, 40, 127-135.	2.7	2
68	Sensitivity analysis for cocoercively monotone variational inclusions and (A, \hat{J}) -maximal monotonicity. <i>Journal of Applied Mathematics and Computing</i> , 2008, 26, 281-293.	2.5	2
69	Solution of a class of equilibrium problems and variational inequalities in FC spaces. <i>Annals of Operations Research</i> , 2018, 269, 565-582.	4.1	2
70	A study on vector variational-like inequalities using convexificators and application to its bi-level form. <i>Journal of Industrial and Management Optimization</i> , 2022, 18, 4333.	1.3	2
71	Cybersecurity: A Survey of Vulnerability Analysis and Attack Graphs. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018, , 97-111.	0.2	2
72	Spectral analysis of discrete dirac equation with generalized eigenparameter in boundary condition. <i>Filomat</i> , 2019, 33, 6039-6054.	0.5	2

#	ARTICLE	IF	CITATIONS
73	Existence and iterative approximation method for solving mixed equilibrium problem under generalized monotonicity in Banach spaces. Numerical Algebra, Control and Optimization, 2020, 10, 75-92.	1.6	2
74	Prediction of effective properties for multilayered laminated composite with delamination: A multiscale methodology proposal. Composite Structures, 2022, 297, 115910.	5.8	2
75	On $ R, \log n, 1 $ -summability factors of power series on its circle of convergence. Mathematische Zeitschrift, 1965, 90, 319-324.	0.9	1
76	On absolute convergence factors. Rendiconti Del Circolo Matematico Di Palermo, 1967, 16, 259-272.	1.3	1
77	Exact solutions of the unsteady hydrodynamic and hydromagnetic flows past an infinite plate. Acta Mechanica, 1988, 74, 185-193.	2.1	1
78	Lattice-valued fuzzy interior operators. Fuzzy Sets and Systems, 2009, 160, 2947-2955.	2.7	1
79	Frames in Semi-inner Product Spaces. Springer Proceedings in Mathematics and Statistics, 2015, , 149-158.	0.2	1
80	Duality models for multiobjective semiinfinite fractional programming problems involving type-I and related functions. Quaestiones Mathematicae, 2019, 42, 1199-1220.	0.6	1
81	Existence of solutions for extended generalized complementarity problems. Positivity, 2021, 25, 769-789.	0.7	1
82	The non absolute Nörlund summability of Fourier series. Pacific Journal of Mathematics, 1974, 51, 49-55.	0.5	1
83	On a result of Leindler. Mathematical Inequalities and Applications, 2002, , 39-43.	0.2	1
84	On the rate of convergence for certain summation-integration type operators. Mathematical Inequalities and Applications, 2006, , 465-472.	0.2	1
85	Promoting Proactive Behavior through Motivation: Required Math Lab Hours Case. International Journal of Research in Education and Science, 2020, 6, 110.	0.3	1
86	Summability factors for Riesz logarithmic means of order one for a Fourier series. Mathematical Proceedings of the Cambridge Philosophical Society, 1970, 67, 307-320.	0.4	0
87	Probabilistic modeling of NMR tissue characteristics: Application to MRI scan optimization using an integrated expert system. Magnetic Resonance Imaging, 1986, 4, 125.	1.8	0
88	Best Possible Results in a Class of Inequalities, II. Journal of Mathematical Analysis and Applications, 1994, 188, 752-758.	1.0	0
89	Cubic and Quartic Convergence for First-Order Periodic Boundary-Value Problems. Journal of Optimization Theory and Applications, 1998, 99, 465-480.	1.5	0
90	All primitive strongly regular graphs except four are hyperenergetic. Applied Mathematics Letters, 2011, 24, 1995-1997.	2.7	0

#	ARTICLE	IF	CITATIONS
91	Numerical and Analytical Methods for Variational Inequalities and Related Problems with Applications. Journal of Applied Mathematics, 2012, 2012, 1-2.	0.9	0
92	Numerical and Analytical Methods for Variational Inequalities and Related Problems 2013. Journal of Applied Mathematics, 2013, 2013, 1-1.	0.9	0
93	Existence Results for Mixed Equilibrium Problems Involving Set-Valued Operators with Applications to Quasi-Hemivariational Inequalities. Journal of Optimization Theory and Applications, 2020, 184, 810-823.	1.5	0
94	International Conference on Mathematical Analysis & its Applications (ICMAA 2016). Journal of Analysis, 2020, 28, 1-2.	0.6	0
95	Epidemiological Models: A Study of Two Retroviruses, HIV and HTLV-I. Springer Proceedings in Mathematics and Statistics, 2014, , 323-352.	0.2	0
96	Applications of Compressive Sensing to Surveillance Problems. Springer Proceedings in Mathematics and Statistics, 2014, , 121-150.	0.2	0
97	Some Rational Inequalities Inspired by Rahman's Research. Springer Optimization and Its Applications, 2017, , 105-127.	0.9	0
98	Starlikeness and related properties of certain integral operator for multivalent functions. Studia Universitatis Babes-Bolyai Mathematica, 2017, 62, 77-87.	0.4	0
99	Mixed invex equilibrium problems with generalized relaxed monotone and relaxed invariant pseudomonotone mappings. Mathematical Inequalities and Applications, 2020, , 201-215.	0.2	0
100	Best possible results in a class of inequalities. Pacific Journal of Mathematics, 1982, 103, 433-436.	0.5	0