Ram N Mohapatra

List of Publications by Year
in descending order

100 papers	1,141 citations	535685 17 h-index	511568 30 g-index
103 all docs	103 docs citations	103 times ranked	663 citing authors

#	ARTICLE	IF	CITATIONS
1	A study on vector variational-like inequalities using convexificators and application to its bi-level form. Journal of Industrial and Management Optimization, 2022, 18, 4333.	0.8	2
2	Computation of generalized inverses of tensors via <i>t</i>â€product. Numerical Linear Algebra With Applications, 2022, 29, e2416.	0.9	10
3	Prediction of effective properties for multilayered laminated composite with delamination: A multiscale methodology proposal. Composite Structures, 2022, 297, 115910.	3.1	2
4	Existence of solutions for extended generalized complementarity problems. Positivity, 2021, 25, 769-789.	0.3	1
5	Fractal Frames of Functions on the Rectangle. Fractal and Fractional, 2021, 5, 42.	1.6	5
6	Some Properties of the Fractal Convolution of Functions. Fractional Calculus and Applied Analysis, 2021, 24, 1735-1757.	1.2	5
7	On the Applications of Nonsmooth Vector Optimization Problems to Solve Generalized Vector Variational Inequalities Using Convexificators. Advances in Intelligent Systems and Computing, 2020, , 660-671.	0.5	9
8	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.	0.8	0
9	Review and insight on the behavioral aspects of cybersecurity. Cybersecurity, 2020, 3, .	3.1	41
10	CONSTRUCTION OF FRACTAL SURFACES. Fractals, 2020, 28, 2050033.	1.8	13
11	International Conference on Mathematical Analysis & its Applications (ICMAA 2016). Journal of Analysis, 2020, 28, 1-2.	0.3	0
12	Promoting Proactive Behavior through Motivation: Required Math Lab Hours Case. International Journal of Research in Education and Science, 2020, 6, 110.	0.8	1
13	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.	1.0	2
14	Approximation by the $K\hat{I}$» means of Fourier series and conjugate series of functions in H$\hat{I}$±,p. Applicable Analysis and Discrete Mathematics, 2020, 14, 800-818.	0.3	3
15	Mixed invex equilibrium problems with generalized relaxed monotone and relaxed invariant pseudomonotone mappings. Mathematical Inequalities and Applications, 2020, , 201-215.	0.1	0
16	SAS-SIP: A secure authentication scheme based on ECC and a fuzzy extractor for session initiation protocol. Cryptologia, 2019, 43, 212-232.	0.4	6
17	A new RGB image encryption using generalized Vigenère-type table over symmetric group associated with virtual planet domain. Multimedia Tools and Applications, 2019, 78, 10227-10263.	2.6	10
18	Duality models for multiobjective semiinfinite fractional programming problems involving type-I and related functions. Quaestiones Mathematicae, 2019, 42, 1199-1220.	0.2	1

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19	Spectral analysis of discrete dirac equation with generalized eigenparameter in boundary condition. Filomat, 2019, 33, 6039-6054.	0.2	2
20	On trigonometric approximation of functions in the L^q norm. Demonstratio Mathematica, 2018, 51, 17-26.	0.6	6
21	Solution of a class of equilibrium problems and variational inequalities in FC spaces. Annals of Operations Research, 2018, 269, 565-582.	2.6	2
22	Linearâ€feedback shift registerâ€based multiâ€ant cellular automation and chaotic mapâ€based image encryption. Security and Privacy, 2018, 1, e52.	1.9	6
23	On Matrix Operators on the Series Space N Â¯ p Î¸ k $$ {left|{overline{N}}_p^{heta}ight|}_k $$. Ukrainian Mathematical Journal, 2018, 69, 1772-1783.	0.1	5
24	Cybersecurity: A Survey of Vulnerability Analysis and Attack Graphs. Springer Proceedings in Mathematics and Statistics, 2018, , 97-111.	0.1	2
25	Spectral properties of generalized eigenparameter dependent discrete Sturm-Liouville type equation. Quaestiones Mathematicae, 2017, 40, 491-505.	0.2	3
26	On approximation properties of Baskakovâ€"SzÃ¡szâ€"Stancu operators using hypergeometric representation. Applied Mathematics and Computation, 2017, 294, 77-86.	1.4	3
27	On existence theorems for some generalized nonlinear functional-integral equations with applications. Filomat, 2017, 31, 2081-2091.	0.2	27
28	Some Rational Inequalities Inspired by Rahmanâ€™s Research. Springer Optimization and Its Applications, 2017, , 105-127.	0.6	0
29	Starlikeness and related properties of certain integral operator for multivalent functions. Studia Universitatis Babes-Bolyai Mathematica, 2017, 62, 77-87.	0.1	0
30	Approximation properties of generalized Jain operators. Filomat, 2016, 30, 2359-2366.	0.2	7
31	Frames in Semi-inner Product Spaces. Springer Proceedings in Mathematics and Statistics, 2015, , 149-158.	0.1	1
32	Spectrally two-uniform frames for erasures. Operators and Matrices, 2015, , 383-399.	0.1	6
33	Approximation solvability of a class of A-monotone implicit variational inclusion problems in semi-inner product spaces. Applied Mathematics and Computation, 2014, 236, 109-117.	1.4	8
34	Epidemiological Models: A Study of Two Retroviruses, HIV and HTLV-I. Springer Proceedings in Mathematics and Statistics, 2014, , 323-352.	0.1	0
35	Applications of Compressive Sensing to Surveillance Problems. Springer Proceedings in Mathematics and Statistics, 2014, , 121-150.	0.1	0
36	Linearly connected sequences and spectrally optimal dual frames for erasures. Journal of Functional Analysis, 2013, 265, 2855-2876.	0.7	75

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37	Dilation of Dual Frame Pairs in Hilbert C*-Modules. Results in Mathematics, 2013, 63, 241-250.	0.4	16
38	Numerical and Analytical Methods for Variational Inequalities and Related Problems 2013. Journal of Applied Mathematics, 2013, 2013, 1-1.	0.4	0
39	Numerical and Analytical Methods for Variational Inequalities and Related Problems with Applications. Journal of Applied Mathematics, 2012, 2012, 1-2.	0.4	0
40	Inequalities for the Polar Derivative of a Polynomial. Complex Analysis and Operator Theory, 2012, 6, 1199-1209.	0.3	18
41	Nonsmooth Ï•â˜ (Î·, Î¸)-invexity in multiobjective programming problems. Optimization Letters, 2012, 6, 253-260.	0.9	10
42	Inequalities for polynomials not vanishing in a disk. Applied Mathematics and Computation, 2011, 218, 949-955.	1.4	7
43	Second and higher order duality in Banach space under -invexity. Nonlinear Analysis: Hybrid Systems, 2011, 5, 457-466.	2.1	4
44	Some properties of semi Eâ€"b-vex functions. Applied Mathematics and Computation, 2011, 217, 5525-5530.	1.4	8
45	All primitive strongly regular graphs except four are hyperenergetic. Applied Mathematics Letters, 2011, 24, 1995-1997.	1.5	0
46	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.	1.4	17
47	-invexity in multiobjective optimization. Nonlinear Analysis: Theory, Methods & Applications, 2009, 70, 2288-2296.	0.6	13
48	Perturbation of frames and Riesz bases in Hilbert <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mi>C</mml:mi></mml:mrow><mml:mrow><mml:mo>âˆ—</mml:mo></ Linear Algebra and Its Applications, 2009, 431, 746-759.	0.4	14
49	An analytical solution for a nonlinear time-delay model in biology. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3141-3148.	1.7	36
50	Implicit differential equation arising in the steady flow of a Sisko fluid. Applied Mathematics and Computation, 2009, 210, 189-196.	1.4	42
51	The explicit series solution of SIR and SIS epidemic models. Applied Mathematics and Computation, 2009, 215, 653-669.	1.4	74
52	Lattice-valued fuzzy interior operators. Fuzzy Sets and Systems, 2009, 160, 2947-2955.	1.6	1
53	Sensitivity analysis for cocoercively monotone variational inclusions and (A,Î·)-maximal monotonicity. Journal of Applied Mathematics and Computing, 2008, 26, 281-293.	1.2	2
54	Riesz bases and their dual modular frames in Hilbert <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>C</mml:mi><mml:mo>âˆ—</mml:mo></mml:msup></mml:math>-modules. Journal of Mathematical Analysis and Applications, 2008, 343, 246-256.	0.5	21

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55	Series solutions of nano boundary layer flows by means of the homotopy analysis method. Journal of Mathematical Analysis and Applications, 2008, 343, 233-245.	0.5	105
56	Local approximation by a variant of Bernstein–Durrmeyer operators. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 3372-3381.	0.6	39
57	Approximation by Durrmeyer–Bezier operators. Nonlinear Analysis: Real World Applications, 2008, 9, 1491-1498.	0.9	3
58	Subordinations for analytic functions defined by the Dziok–Srivastava linear operator. Applied Mathematics and Computation, 2007, 187, 13-19.	1.4	12
59	Lattice-valued spaces: Fuzzy convergence. Fuzzy Sets and Systems, 2006, 157, 2706-2714.	1.6	42
60	On the rate of convergence for certain summation-integration type operators. Mathematical Inequalities and Applications, 2006, , 465-472.	0.1	1
61	A certain family of mixed summation-integral type operators. Mathematical and Computer Modelling, 2005, 42, 181-191.	2.0	16
62	Local approximation by Beta operators. Nonlinear Analysis: Theory, Methods & Applications, 2005, 62, 41-52.	0.6	10
63	Constrained quadratic correlation filters for target detection. Applied Optics, 2004, 43, 304.	2.1	9
64	Grüss-Type Inequalities. Journal of Mathematical Analysis and Applications, 2002, 267, 434-443.	0.5	27
65	On a result of Leindler. Mathematical Inequalities and Applications, 2002, , 39-43.	0.1	1
66	A Sharp Inequality of Markov Type for Polynomials Associated with Laguerre Weight. Journal of Approximation Theory, 2001, 113, 221-228.	0.5	7
67	Optimal-order approximation by mixed three-directional spline elements. Computers and Mathematics With Applications, 2000, 40, 127-135.	1.4	2
68	Cubic and Quartic Convergence for First-Order Periodic Boundary-Value Problems. Journal of Optimization Theory and Applications, 1998, 99, 465-480.	0.8	0
69	Extension of the Method of Quasilinearization and Rapid Convergence. Journal of Optimization Theory and Applications, 1998, 96, 667-682.	0.8	16
70	On the Bernstein Inequality for Rational Functions with a Prescribed Zero. Journal of Approximation Theory, 1998, 95, 476-496.	0.5	9
71	Generalized Quasilinearization Method and Rapid Convergence for First Order Initial Value Problems. Journal of Mathematical Analysis and Applications, 1997, 207, 206-219.	0.5	6
72	An Improved Quasilinearization Method for Second Order Nonlinear Boundary Value Problems. Journal of Mathematical Analysis and Applications, 1997, 214, 55-62.	0.5	9

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73	Norm inequalities which yield inclusion for Euler sequence spaces. Computers and Mathematics With Applications, 1995, 30, 383-387.	1.4	2
74	Bernstein-Type Inequalities for Rational Functions with Prescribed Poles. Journal of the London Mathematical Society, 1995, 51, 523-531.	0.5	55
75	Best Possible Results in a Class of Inequalities, II. Journal of Mathematical Analysis and Applications, 1994, 188, 752-758.	0.5	0
76	Second-order nonlinear systems arising in convection flow of a micropolar fluid. Nonlinear Analysis: Theory, Methods & Applications, 1994, 22, 1409-1421.	0.6	3
77	On Markovâ€²s Inequality on R for the Hermite Weight. Journal of Approximation Theory, 1993, 75, 115-129.	0.5	9
78	Some Second Order Nonlinear Systems Arising in Natural Convection Heat Transfer. Journal of Mathematical Analysis and Applications, 1993, 176, 346-358.	0.5	7
79	On an analogue of Hardy's inequality. Archiv Der Mathematik, 1993, 60, 157-163.	0.3	3
80	On solutions of some singular, non-Linear differential equations arising in boundary layer theory. Journal of Mathematical Analysis and Applications, 1991, 155, 499-512.	0.5	16
81	Existence and nonuniqueness of solutions of a singular nonlinear boundary-layer problem. Journal of Mathematical Analysis and Applications, 1991, 159, 251-270.	0.5	21
82	On fluid dynamic drag reduction in some boundary layer flows. Acta Mechanica, 1990, 81, 59-68.	1.1	26
83	Degree of Approximation of HÃ¶lder Continuous Functions. Mathematische Nachrichten, 1989, 140, 91-96.	0.4	3
84	The number of â€œeffective modesâ€•of the two- and three-dimensional nonlinear SchrÃ¶dinger equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 131, 265-272.	0.9	3
85	Exact solutions of the unsteady hydrodynamic and hydromagnetic flows past an infinite plate. Acta Mechanica, 1988, 74, 185-193.	1.1	1
86	Simple proofs of Bernstein-type inequalities. Proceedings of the American Mathematical Society, 1988, 102, 629-632.	0.4	13
87	Extremal polynomials for weighted Markov inequalities. Journal of Approximation Theory, 1987, 51, 267-273.	0.5	7
88	Probabilistic modeling of NMR tissue characteristics: Application to MRI scan optimization using an integrated expert system. Magnetic Resonance Imaging, 1986, 4, 125.	1.0	0
89	Functions of class Lip(Î±, p) and their Taylor mean. Journal of Approximation Theory, 1985, 45, 363-374.	0.5	6
90	Integral inequalities related to Hardy's inequality. Aequationes Mathematicae, 1985, 28, 199-207.	0.4	9

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91	Degree of approximation of functions in the HÃ¶lder metric. Acta Mathematica Hungarica, 1983, 41, 67-76.	0.3	40
92	Saturation results for a class of linear operators. Mathematical Proceedings of the Cambridge Philosophical Society, 1983, 94, 133-148.	0.3	3
93	Best possible results in a class of inequalities. Pacific Journal of Mathematics, 1982, 103, 433-436.	0.2	0
94	Quantitative results on almost convergence of a sequence of positive linear operators. Journal of Approximation Theory, 1977, 20, 239-250.	0.5	35
95	Summability factors for lower-semi-matrix transformations. Monatshefte Fur Mathematik, 1975, 79, 307-315.	0.5	6
96	The non absolute NÃ¶rlund summability of Fourier series. Pacific Journal of Mathematics, 1974, 51, 49-55.	0.2	1
97	Summability factors for Riesz loÇ uarithmic means of order one for a Fourier series. Mathematical Proceedings of the Cambridge Philosophical Society, 1970, 67, 307-320.	0.3	0
98	On absolute summability factors of infinite series and their application to Fourier series. Mathematical Proceedings of the Cambridge Philosophical Society, 1967, 63, 107-118.	0.3	3
99	On absolute convergence factors. Rendiconti Del Circolo Matematico Di Palermo, 1967, 16, 259-272.	0.6	1
100	On |R, logn, 1|-summability factors of power series on its circle of convergence. Mathematische Zeitschrift, 1965, 90, 319-324.	0.4	1