

# Wiyada Kumam

## List of Publications by Year in descending order

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97  
papers

1,673  
citations

279701

23  
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377752

34  
g-index

97  
all docs

97  
docs citations

97  
times ranked

826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Caputo fractional-order model for COVID-19 with lockdown. <i>Advances in Difference Equations</i> , 2020, 2020, 394.	3.5	74
2	Generalized Picture Fuzzy Soft Sets and Their Application in Decision Support Systems. <i>Symmetry</i> , 2019, 11, 415.	1.1	66
3	Bi-parametric distance and similarity measures of picture fuzzy sets and their applications in medical diagnosis. <i>Egyptian Informatics Journal</i> , 2021, 22, 201-212.	4.4	53
4	Bio-convective micropolar nanofluid flow over thin moving needle subject to Arrhenius activation energy, viscous dissipation and binary chemical reaction. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100989.	2.8	53
5	A Novel Approach to Generalized Intuitionistic Fuzzy Soft Sets and Its Application in Decision Support System. <i>Mathematics</i> , 2019, 7, 742.	1.1	51
6	Distance and Similarity Measures for Spherical Fuzzy Sets and Their Applications in Selecting Mega Projects. <i>Mathematics</i> , 2020, 8, 519.	1.1	49
7	Darcy-Forchheimer hybrid nanofluid flow over a stretching curved surface with heat and mass transfer. <i>PLoS ONE</i> , 2021, 16, e0249434.	1.1	48
8	Numerical Approximation of Microorganisms Hybrid Nanofluid Flow Induced by a Wavy Fluctuating Spinning Disc. <i>Coatings</i> , 2021, 11, 1032.	1.2	46
9	Modified Popov's explicit iterative algorithms for solving pseudomonotone equilibrium problems. <i>Optimization Methods and Software</i> , 2021, 36, 82-113.	1.6	45
10	Heat transfer analysis of the mixed convective flow of magnetohydrodynamic hybrid nanofluid past a stretching sheet with velocity and thermal slip conditions. <i>PLoS ONE</i> , 2021, 16, e0260854.	1.1	42
11	Machine Learning Based Automated Segmentation and Hybrid Feature Analysis for Diabetic Retinopathy Classification Using Fundus Image. <i>Entropy</i> , 2020, 22, 567.	1.1	41
12	A Family of Derivative-Free Conjugate Gradient Methods for Constrained Nonlinear Equations and Image Restoration. <i>IEEE Access</i> , 2020, 8, 162714-162729.	2.6	40
13	Mixed convection stagnation point flow of the blood based hybrid nanofluid around a rotating sphere. <i>Scientific Reports</i> , 2021, 11, 7460.	1.6	40
14	Parametric simulation of micropolar fluid with thermal radiation across a porous stretching surface. <i>Scientific Reports</i> , 2022, 12, 2542.	1.6	38
15	Chemically reactive nanofluid flow past a thin moving needle with viscous dissipation, magnetic effects and hall current. <i>PLoS ONE</i> , 2021, 16, e0249264.	1.1	36
16	The Inertial Sub-Gradient Extra-Gradient Method for a Class of Pseudo-Monotone Equilibrium Problems. <i>Symmetry</i> , 2020, 12, 463.	1.1	35
17	Inertial Extra-Gradient Method for Solving a Family of Strongly Pseudomonotone Equilibrium Problems in Real Hilbert Spaces with Application in Variational Inequality Problem. <i>Symmetry</i> , 2020, 12, 503.	1.1	33
18	Bio-convective and chemically reactive hybrid nanofluid flow upon a thin stirring needle with viscous dissipation. <i>Scientific Reports</i> , 2021, 11, 8066.	1.6	32

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19	Hybrid iterative scheme by a relaxed extragradient method for solutions of equilibrium problems and a general system of variational inequalities with application to optimization. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 640-656.	2.1	31
20	Improved generalized dissimilarity measure-based VIKOR method for Pythagorean fuzzy sets. <i>International Journal of Intelligent Systems</i> , 2022, 37, 1807-1845.	3.3	31
21	An adjustable weighted soft discernibility matrix based on generalized picture fuzzy soft set and its applications in decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 2103-2118.	0.8	29
22	Non-linear convective flow of the thin film nanofluid over an inclined stretching surface. <i>Scientific Reports</i> , 2021, 11, 18410.	1.6	29
23	Bidirectional flow of MHD nanofluid with Hall current and Cattaneo-Christove heat flux toward the stretching surface. <i>PLoS ONE</i> , 2022, 17, e0264208.	1.1	29
24	Blood based hybrid nanofluid flow together with electromagnetic field and couple stresses. <i>Scientific Reports</i> , 2021, 11, 12865.	1.6	28
25	A new Hybrid Projection Algorithm for Solving the Split Generalized Equilibrium Problems and the System of Variational Inequality Problems. <i>Mathematical Modelling and Algorithms</i> , 2014, 13, 405-423.	0.5	26
26	On generalizations of some inequalities for convex functions via quantum integrals. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2020, 114, 1.	0.6	26
27	The Renewable Energy Source Selection by Remoteness Index-Based VIKOR Method for Generalized Intuitionistic Fuzzy Soft Sets. <i>Symmetry</i> , 2020, 12, 977.	1.1	25
28	A fractional model of Casson fluid with ramped wall temperature: Engineering applications of engine oil. <i>Computational and Mathematical Methods</i> , 2021, 3, e1162.	0.3	24
29	Inertial Optimization Based Two-Step Methods for Solving Equilibrium Problems with Applications in Variational Inequality Problems and Growth Control Equilibrium Models. <i>Energies</i> , 2020, 13, 3292.	1.6	22
30	The Flow of Blood-Based Hybrid Nanofluids with Couple Stresses by the Convergent and Divergent Channel for the Applications of Drug Delivery. <i>Molecules</i> , 2021, 26, 6330.	1.7	22
31	Theoretical justifications for the empirically successful VIKOR approach to multi-criteria decision making. <i>Soft Computing</i> , 2021, 25, 7761-7767.	2.1	21
32	Improved cosine and cotangent function-based similarity measures for q-rung orthopair fuzzy sets and TOPSIS method. <i>Complex &amp; Intelligent Systems</i> , 2021, 7, 2679-2696.	4.0	20
33	An axiomatically supported divergence measures for q-rung orthopair fuzzy sets. <i>International Journal of Intelligent Systems</i> , 2021, 36, 6133-6155.	3.3	20
34	Inertial-Based Derivative-Free Method for System of Monotone Nonlinear Equations and Application. <i>IEEE Access</i> , 2020, 8, 226921-226930.	2.6	20
35	Algorithms for zeros of two accretive operators for solving convex minimization problems and its application to image restoration problems. <i>Journal of Computational and Applied Mathematics</i> , 2019, 354, 471-495.	1.1	19
36	Darcy-Forchheimer couple stress hybrid nanofluids flow with variable fluid properties. <i>Scientific Reports</i> , 2021, 11, 19612.	1.6	19

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37	Numerical Simulation of PDEs by Local Meshless Differential Quadrature Collocation Method. <i>Symmetry</i> , 2019, 11, 394.	1.1	18
38	Two Hybrid Spectral Methods With Inertial Effect for Solving System of Nonlinear Monotone Equations With Application in Robotics. <i>IEEE Access</i> , 2021, 9, 30918-30928.	2.6	18
39	Numerical simulation of bioconvective Darcy Forchhemier nanofluid flow with energy transition over a permeable vertical plate. <i>Scientific Reports</i> , 2022, 12, 3228.	1.6	18
40	Tseng methods with inertial for solving inclusion problems and application to image deblurring and image recovery problems. <i>Computational and Mathematical Methods</i> , 2021, 3, e1088.	0.3	17
41	Electromagnetohydrodynamic bioconvective flow of binary fluid containing nanoparticles and gyrotactic microorganisms through a stratified stretching sheet. <i>Scientific Reports</i> , 2021, 11, 23159.	1.6	17
42	Another view on generalized interval valued intuitionistic fuzzy soft set and its applications in decision support system. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 4327-4341.	0.8	16
43	A Self-Adaptive Extra-Gradient Methods for a Family of Pseudomonotone Equilibrium Programming with Application in Different Classes of Variational Inequality Problems. <i>Symmetry</i> , 2020, 12, 523.	1.1	16
44	Analysis of newly developed fractal-fractional derivative with power law kernel for MHD couple stress fluid in channel embedded in a porous medium. <i>Scientific Reports</i> , 2021, 11, 20858.	1.6	16
45	q-Rung Orthopair Fuzzy Modified Dissimilarity Measure Based Robust VIKOR Method and its Applications in Mass Vaccination Campaigns in the Context of COVID-19. <i>IEEE Access</i> , 2021, 9, 93497-93515.	2.6	15
46	Bioconvection Casson nanoliquid film sprayed on a stretching cylinder in the portfolio of homogeneous&#x2013;heterogeneous chemical reactions. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2022, 102, .	0.9	14
47	Solutions of system of equilibrium and variational inequality problems on fixed points of infinite family of nonexpansive mappings. <i>Applied Mathematics and Computation</i> , 2014, 248, 441-455.	1.4	13
48	Mixed convective flow of a magnetohydrodynamic Casson fluid through a permeable stretching sheet with first-order chemical reaction. <i>PLoS ONE</i> , 2022, 17, e0265238.	1.1	13
49	A novel flexible additive Weibull distribution with real-life applications. <i>Communications in Statistics - Theory and Methods</i> , 2021, 50, 1557-1572.	0.6	12
50	Convergence analysis of a general inertial projection-type method for solving pseudomonotone equilibrium problems with applications. <i>Journal of Inequalities and Applications</i> , 2021, 2021, .	0.5	12
51	Improved Knowledge Measures for q-Rung Orthopair Fuzzy Sets. <i>International Journal of Computational Intelligence Systems</i> , 2021, 14, 1700.	1.6	12
52	Convergence analysis of modified Picard-S hybrid iterative algorithms for total asymptotically nonexpansive mappings in Hadamard spaces. <i>International Journal of Computer Mathematics</i> , 2020, 97, 175-188.	1.0	11
53	Non-Linear Thermal Radiations and Mass Transfer Analysis on the Processes of Magnetite Carreau Fluid Flowing Past a Permeable Stretching/Shrinking Surface under Cross Diffusion and Hall Effect. <i>Coatings</i> , 2020, 10, 523.	1.2	11
54	Convergence theorem for equilibrium problem and Bregman strongly nonexpansive mappings in Banach spaces. <i>Optimization</i> , 2016, 65, 265-280.	1.0	10

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55	Analytical Simulation for Magnetohydrodynamic Maxwell Fluid Flow Past an Exponentially Stretching Surface with First-Order Velocity Slip Condition. <i>Coatings</i> , 2021, 11, 1009.	1.2	10
56	A Shrinking Projection Method for Generalized Mixed Equilibrium Problems, Variational Inclusion Problems and a Finite Family of Quasi-Nonexpansive Mappings. <i>Journal of Inequalities and Applications</i> , 2010, 2010, 458247.	0.5	9
57	Truncated-exponential-based Frobeniusâ€™Euler polynomials. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	9
58	Some fuzzy fixed point results for fuzzy mappings in complete $b$ -metric spaces. <i>Cogent Mathematics &amp; Statistics</i> , 2018, 5, 1458933.	0.9	8
59	Accelerated alternating minimization algorithm for Poisson noisy image recovery. <i>Inverse Problems in Science and Engineering</i> , 2020, 28, 1031-1056.	1.2	8
60	Controllability of Impulsive Nonâ€™Linear Delay Dynamic Systems on Time Scale. <i>IEEE Access</i> , 2020, 8, 93830-93839.	2.6	8
61	Random fixed points of multivalued random operators with property (D). <i>Random Operators and Stochastic Equations</i> , 2007, 15, .	0.2	7
62	Picture Fuzzy Soft Robust VIKOR Method and its Applications in Decision-Making. <i>Fuzzy Information and Engineering</i> , 2021, 13, 296-322.	1.0	7
63	Existence and uniqueness results for $\hat{I}$ -Caputo implicit fractional pantograph differential equation with generalized anti-periodic boundary condition. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	7
64	Optimization for estimation to medical service value of informal workers social security office in Thailand. <i>Journal of Information and Optimization Sciences</i> , 2016, 37, 125-154.	0.2	6
65	Fixed point theorems for fuzzy mappings and applications to ordinary fuzzy differential equations. <i>Advances in Difference Equations</i> , 2014, 2014, .	3.5	5
66	Investigating a Coupled Hybrid System of Nonlinear Fractional Differential Equations. <i>Discrete Dynamics in Nature and Society</i> , 2018, 2018, 1-12.	0.5	5
67	Convergence Analysis of Self-Adaptive Inertial Extra-Gradient Method for Solving a Family of Pseudomonotone Equilibrium Problems with Application. <i>Symmetry</i> , 2020, 12, 1332.	1.1	5
68	Intuitionistic fuzzy divergences: critical analysis and an application in figure skating. <i>Neural Computing and Applications</i> , 2022, 34, 9123-9146.	3.2	5
69	Generalized Systems of Variational Inequalities and Projection Methods for Inverse-Strongly Monotone Mappings. <i>Discrete Dynamics in Nature and Society</i> , 2011, 2011, 1-23.	0.5	4
70	Error Estimate of Data Dependence for Discontinuous Operators by New Iteration Process with Convergence Analysis. <i>Numerical Functional Analysis and Optimization</i> , 2019, 40, 1644-1677.	0.6	4
71	The numerical reckoning of modified proximal point methods for minimization problems in non-positive curvature metric spaces. <i>International Journal of Computer Mathematics</i> , 2020, 97, 245-262.	1.0	4
72	Three novel inertial explicit Tseng's extragradient methods for solving pseudomonotone variational inequalities. <i>Optimization</i> , 2022, 71, 4697-4730.	1.0	4

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73	Modified viscosity type iteration for total asymptotically nonexpansive mappings in CAT(0) spaces and its application to optimization problems. <i>Journal of Nonlinear Science and Applications</i> , 2017, 11, 288-302.	0.4	4
74	Iterative solutions via some variants of extragradient approximants in Hilbert spaces. <i>AIMS Mathematics</i> , 2022, 7, 13910-13926.	0.7	4
75	Inertial Modification Using Self-Adaptive Subgradient Extragradient Techniques for Equilibrium Programming Applied to Variational Inequalities and Fixed-Point Problems. <i>Mathematics</i> , 2022, 10, 1751.	1.1	4
76	An Optimal Pursuit Differential Game Problem with One Evader and Many Pursuers. <i>Mathematics</i> , 2019, 7, 842.	1.1	3
77	A new weak convergence non-monotonic self-adaptive iterative scheme for solving equilibrium problems. <i>AIMS Mathematics</i> , 2021, 6, 5612-5638.	0.7	3
78	Application of Mixed Sampling to Real Life Data: A Case Study on Socio-Economic Determinants by Using SEM and CFA Techniques. <i>Mathematics</i> , 2020, 8, 337.	1.1	2
79	New advanced outliers detection tests. <i>Communications in Statistics - Theory and Methods</i> , 2021, 50, 1640-1655.	0.6	2
80	A New Method for Optimal Solution of Intuitionistic Fuzzy Transportation Problems via Generalized Trapezoidal Intuitionistic Fuzzy Numbers. <i>Fuzzy Information and Engineering</i> , 2019, 11, 105-120.	1.0	2
81	A new class of inertial algorithms with monotonic step sizes for solving fixed point and variational inequalities. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 9061-9088.	1.2	2
82	The inertial iterative extragradient methods for solving pseudomonotone equilibrium programming in Hilbert spaces. <i>Journal of Inequalities and Applications</i> , 2022, 2022, .	0.5	2
83	Iterative algorithm by using the hybrid method in mathematical programming for solving variational inequality problems and equilibrium problems. <i>Journal of Interdisciplinary Mathematics</i> , 2009, 12, 725-746.	0.4	1
84	Strong Convergence Theorems of Modified Ishikawa Iterative Method for an Infinite Family of Strict Pseudocontractions in Banach Spaces. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2011, 2011, 1-18.	0.3	1
85	A New Multi-Step Iterative Algorithm for Approximating Common Fixed Points of a Finite Family of Multi-Valued Bregman Relatively Nonexpansive Mappings. <i>Algorithms</i> , 2016, 9, 37.	1.2	1
86	A Method for Optimal Solution of Intuitionistic Fuzzy Transportation Problems via Centroid. <i>Studies in Computational Intelligence</i> , 2018, , 94-114.	0.7	1
87	Proximal point algorithm for nonlinear multivalued type mappings in Hadamard spaces. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 5758-5768.	1.2	1
88	Inertial Iterative Self-Adaptive Step Size Extragradient-Like Method for Solving Equilibrium Problems in Real Hilbert Space with Applications. <i>Axioms</i> , 2020, 9, 127.	0.9	1
89	Two strongly convergent self-adaptive iterative schemes for solving pseudo-monotone equilibrium problems with applications. <i>Demonstratio Mathematica</i> , 2021, 54, 280-298.	0.6	1
90	A new extragradient algorithm with adaptive step-size for solving split equilibrium problems. <i>Journal of Inequalities and Applications</i> , 2021, 2021, .	0.5	1

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91	A remark on some random fixed points of multivalued SL-random operators satisfying the nonstrict Opial's property and corrigendum to "Random fixed points of multivalued random operators with property (D)". <i>Random Operators and Stochastic Equations</i> , 2008, 16, .	0.2	0
92	Alternating Minimization Algorithms for Convex Minimization Problem with Application to Image Deblurring and Denoising. , 2018, , .		0
93	Iterative Algorithm for Solving a Split Common Null Point Problem for Demicontractive Operators. , 2018, , .		0
94	Approximation Results for Equilibrium Problems Involving Strongly Pseudomonotone Bifunction in Real Hilbert Spaces. <i>Axioms</i> , 2020, 9, 137.	0.9	0
95	The existence of Bayesian fuzzy equilibrium problems for a new general Bayesian abstract fuzzy economy model with differential private information. <i>Journal of Nonlinear Science and Applications</i> , 2016, 09, 2410-2418.	0.4	0
96	Modified random errors S-iterative process for stochastic fixed point theorems in a generalized convex metric space. <i>Statistics, Optimization and Information Computing</i> , 2017, 5, .	0.4	0
97	On Strengthened Extragradient Methods Non-Convex Combination with Adaptive Step Sizes Rule for Equilibrium Problems. <i>Symmetry</i> , 2022, 14, 1045.	1.1	0