



وزارة التعليم العالي والبحث العلمي
جامعة الموصل
كلية علوم الحاسوب والرياضيات
قسم الرياضيات
العام الدراسي 2023-2017

البحوث المفهرسة ضمن Scopus

اسم الباحث	اسم البحث	اسم المجلة	سنة النشر	معامل الاستشهاد CiteScore
د. رائدة داود محمود داود	On PW π -regular rings	Journal of Physics: Conference Series	2020	0.7
	QR and JCPI - rings	Journal of Physics: Conference Series	2021	0.8
أ.د. بان أحمد حسن متراس	Two-Hybrid Sine-Cosine Algorithm based on Invasive weed Optimization algorithm and Bat Algorithm	IOP Conference series Materials Science and Engineering	2021	0.8
	Modified Chimp Optimization Algorithm based on Classical Conjugate Gradient Methods	IOP: journal of physics	2021	0.8
	Using Mdfied Conjugate Method to improve SCA	IOP: journal of physics	2021	0.8
أ.د. باسم عباس حسن عبدالرحمن الفرج	A new formula for conjugate parameter computation based on the quadratic model	Indonesian Journal of Electrical Engineering and Computer Science	2019	1.4
	A new class of BFGS updating formula based on the new quasi-newton equation	Indonesian Journal of Electrical Engineering and Computer Science	2019	1.4
	A descent extension of the Dai - Yuan conjugate gradient technique	Indonesian Journal of Electrical Engineering and Computer Science	2019	1.4
	A new kind of parameter conjugate gradient for unconstrained optimization	Indonesian Journal of Electrical Engineering and Computer Science	2020	1.4
	A modified quasi-Newton methods for unconstrained optimization	ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS	2019	
	A NEW TYPE OF QUASI-NEWTON UPDATING FORMULAS BASED ON THE NEW QUASI-NEWTON EQUATION	NUMERICAL ALGEBRA, CONTROL AND OPTIMIZATION	2020	
	A New Class of Nonlinear Conjugate Gradient Method for Solving Unconstrained Minimization Problems	IEEE	2020	
	A new variants of quasi-newton equation based on the quadratic function for unconstrained optimization	Indonesian Journal of Electrical Engineering and Computer Science	2020	2
	A New Shifted Conjugate Gradient Method"Based"on Shifted Quasi-Newton Condition	Journal of Physics: Conference Series	2021	

معامل الاستشهاد CiteScore	سنة النشر	اسم المجلة	اسم البحث	اسم الباحث
2.4	2021	Indonesian Journal of Electrical Engineering and Computer Science	Two-versions of descent conjugate gradient methods for large-scale unconstrained optimization	
2.4	2021	Indonesian Journal of Electrical Engineering and Computer Science	A new conjugate gradient algorithms using conjugacy condition for solving unconstrained optimization	
2.3	2020	International Journal of Mathematical, Engineering and Management Sciences	Feature Selection Using Different Transfer Functions for Binary Bat Algorithm	أ.د. عمر صابر قاسم يحيى العدد: 6
0.8	2020	Journal of Physics: Conference Series	Variable selection in Gamma regression model using binary gray Wolf optimization algorithm	
1.8	2021	International Journal of Computing Science and Mathematics	A gray wolf algorithm for feature and parameter selection of support vector classification	
1.2	2021	Asian-European Journal of Mathematics	A new hybrid algorithm based on binary gray wolf optimization and firefly algorithm for features selection	
0.9	2021	Thailand Statistician	Improving Feature Selection for Credit Scoring Classification Using a Novel Hybrid Algorithm	
...	2021	2021 7th International Conference on Contemporary Information Technology and Mathematics (ICCITM)	A New Hybrid Pigeon-Inspired Optimization Algorithm for Solving Multidimensional Knapsack Problems	
0.9	2019	Journal of Mathematics	The Connected Detour Numbers of Special Classes of Connected Graphs	أ.د. أحمد محمد علي محمد العدد: 11
1.1	2020	International Journal of Mathematics and Mathematical Sciences	A Relation between D-Index and Wiener Index for r-Regular Graphs	
0.9	2020	WSEAS TRANSACTIONS on MATHEMATICS	The Graph of e-Abacus Diagram	
1.2	2021	Asian-European Journal of Mathematics	Characterizations of graphs with prescribed connected detour numbers	
0.6	2021	ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS	Some results on Wiener indices for a connected graph G	
0.8	2021	Journal of Physics	Mn- polynomials of general thorn path graph	
1.9	2021	Journal of Discrete Mathematical Sciences & Cryptography	Application of width distance on semi-star link satellite constellation	
0.8	2021	Iraqi Journal of Science	Mn- Polynomials of Some Special Graphs	
0.8	2021	Journal of Physics: Conference Series	Complex Differential Implications of Linear Operator Imposed by Mittag-Leffler Type Function	
0.8	2021	Journal of Physics: Conference Series	Schultz and Modified Schultz Polynomials for Edge – Identification Chain and Ring – for Pentagon and Hexagon Graphs	
0.8	2021	Journal of Physics: Conference Series	Complex Differential Implications of Linear Operator Imposed by Mittag-Leffler Type Function	

معامل الاستشهاد CiteScore	سنة النشر	اسم المجلة	اسم البحث	اسم الباحث
	2021	Periodicals of Engineering and Natural Sciences	Applied mathematical model for a heat transfer	أ.د. ميسون مال الله عزيز محمود العدد: 3
	2021	Periodicals of Engineering and Natural Sciences	Applications of Mathematics: Dispersion of soluble matter in solvent flowing through a tube under a steady pressure gradient	
	2020	Indonesian Journal of Electrical Engineering and Computer Science	Stability and chaos with mathematical control 4D system	
0.6	2021	ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS	A modified Newton's method for solving functions of one variable	أ.د. إخلاص سعد الله أحمد محمد العدد: 2
0.8	2021	Journal of Physics: Conference Series	Improved variational iteration method with the trapezoidal rule to solve fractional ordinary differential equations	
0.8	2021	Journal of physics	Associated Conformable Fractional Legendre Polynomials	أ.م.د. ثائر يونس ذنون محمد العدد: 1
	2020	International Journal of Mathematics and Mathematical Sciences	A Modified Bat Algorithm with Conjugate Gradient Method for Global Optimization	أ.م.د. همسة ثروت سعيد عبد الله العدد: 3
	2021	Indonesian Journal of Electrical Engineering and Computer Science	A new modification of the quasi-newton method for unconstrained optimization	
	2021	International Journal of Mathematics and Mathematical Sciences	A Method of Two New Augmented Lagrange Multiplier Versions for Solving Constrained Problems	
1.2	2021	Asian-European Journal of Mathematics	The maximal degree of a zero-divisor graph	أ.م.د. حسام قاسم محمد عبد الله العدد: 1
1.4	2019	Indonesian Journal of Electrical Engineering and Computer Science	Projective synchronization for a class of 6-D hyperchaotic Lorenz system	أ.م.د. سعد فوزي جاسم سعيد العدد: 11
1.7	2019	TELKOMNIKA (Telecommunication Computing Electronics and Control)	Strategies of linear feedback control and its classification	
2.2	2020	TELKOMNIKA (Telecommunication Computing Electronics and Control)	Chaos synchronization in a 6-D hyperchaotic system with self-excited attractor	
0.8	2021	Journal of Physics: Conference Series	A 4D hyperchaotic Sprott S system with multistability and hidden attractors	
1.2	2021	Asian-European Journal of Mathematics	Chaos synchronization in a new 6D hyperchaotic system with self-excited attractors and seventeen terms	
1.8	2021	International Journal of Computing Science and Mathematics	A modification of nonlinear feedback controller	
1	2020	Journal of Interdisciplinary Mathematic	Hybrid synchronization of high-dimensional chaos with self-excited attractors	
2	2020	Indonesian Journal of Electrical Engineering and Computer Science	Projective synchronization for 4D hyperchaotic system based on adaptive nonlinear control strategy	

معامل الاستشهاد CiteScore	سنة النشر	اسم المجلة	اسم البحث	اسم الباحث
2	2020	Indonesian Journal of Electrical Engineering and Computer Science	An optimal nonlinear control for anti-synchronization of Rabinovich hyperchaotic system	
2.2	2020	TELKOMNIKA (Telecommunication Computing Electronics and Control)	An optimal control for complete synchronization of 4D Rabinovich hyperchaotic system	
2.2	2020	TELKOMNIKA (Telecommunication Computing Electronics and Control)	Projective and hybrid projective synchronization of 4-D hyperchaotic system via nonlinear controller strategy	
1.9	2021	Numerical Algebra, Control and Optimization	Solving nonlinear differential equations using hybrid method between Lyapunov's artificial small parameter and continuous particle swarm optimization	أ.م.د. وليد محمد فتحي عبد الرحمن الحياني العدد: 4
0.8	2021	Iraqi Journal of Science	Solving systems of non-linear Volterra integral equations by combined Sumudu transform-Adomian decomposition method	
1.7	2017	Applied Mathematics & Information Sciences	Waleed Al-Hayani; Laheeb Alzubaidy; Ahmed Entesar, "Solutions of singular IVP's of Lane-Emden type by Homotopy analysis method with Genetic Algorithm	
1.7	2016	Applied Mathematics & Information Sciences	Combined Laplace Transform-Homotopy Perturbation Method for Sine-Gordon Equation	
0.9	2021	Baghdad Science Journal	Solving Whitham-Broer-Kaup-Like Equations Numerically by using Hybrid Differential Transform Method and Finite Differences Method	أ.م.د. عبدالغفور محمد أمين خضر عبدالكريم العدد: 1
1.7	2020	Indonesian Journal of Electrical Engineering and Computer Science	A new quasi-newton equation on the gradient methods for optimization minimization problem	أ.م.د. غادة مؤيد رشيد محمد العدد: 5
1.7	2020	Indonesian Journal of Electrical Engineering and Computer Science	A new hybrid conjugate gradient algorithm for unconstrained optimization with inexact line search	
0.7	2021	Journal of Physics: Conference Series	Global Convergence Condition for a New Spectral Conjugate Gradient Method for Large-Scale Optimization	
0.7	2021	Journal of Physics: Conference Series	Good Characteristics of The New Spectral Conjugate Gradient Method for Unconstrained Optimization	
2.4	2021	Indonesian Journal of Electrical Engineering and Computer Science	New scaled algorithm for non-linear conjugate gradients in unconstrained optimization	
1.5	2021	Journal of Interdisciplinary Mathematics	A new hybrid conjugate gradient algorithm as a convex combination of MMWU and RMIL nonlinear problems	
1	2018	Journal of Applied Mathematics	Adomian Decomposition Method with Modified Bernstein Polynomials for Solving Ordinary and Partial Differential Equations	أ.م.د. أحمد فاروق قاسم محمد العدد: 4
0.4	2019	Journal of Advanced Research in Dynamical and Control Systems	Application new iterative method for solving modified korteweg-de vries (MKdV) system from three equations	

معامل الاستشهاد CiteScore	سنة النشر	اسم المجلة	اسم البحث	اسم الباحث
1.7	2021	Journal of Mathematical and Fundamental Sciences	Optimal parameters for nonlinear hirota-satsuma coupled kdv system by using hybrid firefly algorithm with modified adomian decomposition	
1.5	2022	Journal of Interdisciplinary Mathematics	A new procedure with iteration methods to solve a nonlinear two dimensional Bogoyavlensky-Konopelchenko equation	
1.2	2021	Asian-European Journal of Mathematics	Solve fractional differential equations via a hybrid method between variational iteration method and gray wolf optimization algorithm	أ.م.د. أحمد انتصار غيث أحمد العدد: 2
0.8	2021	Journal of Physics: Conference Series	Solve differential equations via a hybrid method between homotopy analytical method and sine cosine optimization algorithm	
2.4	2021	Indonesian journal of electrical engineering and computer science	Modified limited_memory broyden_fletcher_goldfarb_shanno algorithm for unconstrained optimization problem	أ.م.د. منى محسن م حمد علي العدد: 2
1.7	2020	Indonesian journal of electrical engineering and computer science	New multi_step three_term conjugate gradient algorithm with Inexact line search	
07	2020	Journal of Physics: Conference Series	The construction for the arcs (8, 4)-from the two arcs (7, 4)-in PG (2, q), q=5	م. بان عبد الكريم قاسم محمد غزال العدد: 1
				م. إنعام غانم سعيد محمد
1.7	2020	Indonesian journal of electrical engineering and computer science	Q variant of hybrid conjugate gradient methods based on the convex combination for optimization	م. زينة طلال ياسين قاسم العدد: 1
0.8	2021	Journal of Physics: Conference Series	Solving Fractional Coupled EW and Coupled MEW Equations Using Bernstein Collocation Method	م.د. سوزان حسن محمد أمين العدد: 2
0.8	2021	Journal of Physics: Conference Series	The Exact Solution of Fractional Coupled EW and Coupled MEW Equations Using Sine-Cosine Method	
3.1	2019	Advances in Fuzzy Systems	On Tri- α -Open Sets in Fuzzifying Tri topological Spaces	م.د. براءة محمود سليمان محمد العدد: 1
1.87	2020	International Journal of Mathematical Engineering and Management Sciences	Hybrid Binary Dragonfly Optimization Algorithm with Statistical Dependence for Feature Selection	م.د. فاطمة محمود حسن زمزوم العدد: 1
0.8	2021	Journal of Physics: Conference Series	A New Type of Conjugate Gradient Technique for Solving Fuzzy Nonlinear Algebraic Equations	م.د. هشام محمد خضر حمزة العدد: 2
2.2	2021	Indonesian Journal of Electrical Engineering and Computer Science	A new parameter in three-term conjugate gradient algorithms for unconstrained optimization	
0.7	2020	Journal of Physics: Conference Series	ON Ngr0-closed set and Ngr0-continuity with their Applications	م.د. اكرام عبدالقادر صالح عبدالقادر العدد: 2
0.8	2021	Journal of Physics: Conference Series	Ideal with Micro Topological Space	

معامل الاستشهاد CiteScore	سنة النشر	اسم المجلة	اسم البحث	اسم الباحث
0.8	2021	Journal of Physics: Conference Series, 2021, 1818(1), 012057	Modified of Homotopy Perturbation Technique and its application to system of nonlinear Fredholm integral equations of 2nd kind	م.د. احمد عامر محمد فوزي العدد: 1
0.9	2019	International Journal of Mathematics and mathematical	Treating Transcendental Functions in Partial Differential Equations Using the Variational Iteration Method with Bernstein Polynomials	م. المعتصم عبدالمحسن حامد عبدالله العدد: 3
0.3	2021	International Journal of Nonlinear Analysis and Applications	Solving Benny-Lin Equation by Adomain Decomposition Method with Genetic Algorithm	
0.8	2021	Journal of Physics: Conference Series	Improved Variational iteration method with the trapezoidal rule to solve fractional differential equations	
2	2020	Indonesian Journal of Electrical Engineering and Computer Science	By using a new iterative method to the generalized system Zakharov-Kuznetsov and estimate the best parameters via applied the pso algorithm	م. عبيد عبد الخالق احمد إسماعيل العدد: 2
2	2020	Indonesian Journal of Electrical Engineering and Computer Science	The best parameters selection using pso algorithm to solving for ito system by new iterative technique	
0.8	2021	Iraqi Journal of Science	M_n -polynomials of some special graphs.	م.د. رغد عبدالعزيز مصطفى عبدالله العدد: 2
0.8	2021	Journal of Physics: Conference Series	M_n - Polynomials of general thorn path graph	
				م.د. أدریس حاضر هیشان (قانونية)
				م.م. نور رافع حمزة صالح القدو
				م.م. رشا صلال حسن عبد الله
1.4	2021	Indonesian Journal of Electrical Engineering and Computer Science	A new Class of Self-Scaling for quasi-Newton method based on The quadratic Model	م.م. رنين متي سليمان العدد: 2
مؤتمر	2021	7 th International Engineering Conference Research & Innovation amid Global Pandemic (IEC2021) Erbil. Iraq	Using a New Type Quasi-Newton Equation for Unconstrained Optimization	

رئيس قسم الرياضيات