

بحوث قسم الرياضيات للعام الدراسي 2023-2024

محلي عدد : 21

سكوبس عدد: 96

الكلي: 117

نوع البحث	Citescore	ISSN	المجلة	اسم البحث	الاسم	
Scopus	2	2078-8665	Baghdad Science Journal	Newton-Kantorovich Method for Solving One of the Non-Linear SturmLiouville Problems	حسين علي حسين عبدالرضا	1.
Scopus	0.9	21461147	TWMS Journal Of Applied And Engineering Mathematics	The homogeneous q-difference operator and the related polynomials	حسام لوتي سعد	2.
محلية		2664-8288	Basrah J. Science	Applications of the operator T in q-polynomials	حسام لوتي سعد	3.
Scopus	0.6	2219-5688	Palestine Journal of Mathematics	Generalized q-diifference equation for the generalized q-operator $\Phi_s(D_q)$ and its applications in q-polynomials	حسام لوتي سعد	4.
Scopus	1.5	0067-2904	Iraqi Journal of Science	Applications of q-Difference Equation and q-Operator $\Phi_s(\theta)$ in q-Polynomials	حسام لوتي سعد	5.
Scopus	0.9	21461147	TWMS Journal Of Applied And Engineering Mathematics	Generalized q-difference equation for the generalized q-operator $\Phi_s(D_q)$ and its applications in q-integrals	حسام لوتي سعد	6.

7.	حسام لوتي سعد	Application of the generalized homogeneous q-shift operator in q-polynomials	TWMS Journal of Applied and Engineering Mathematics	21461147	0.9	Scopus
8.	حسام لوتي سعد	Different Operators for the Polynomials $S_n(\delta, \zeta, \lambda q)$	Asia Pacific Journal of Mathematics	23572205	0.4	Scopus
9.	حسام لوتي سعد	Special cases and applications of the Cauchy companion operator	Asia Pacific Journal of Mathematics	23572205	0.4	Scopus
10.	أمل خليل حسن	Better Approximation Properties by New Modified Baskakov Operators	Journal of Applied Mathematics	16870042	2.7	Scopus
11.	أماني جمال فاضل	Volve Oil Field S-Wave Log Data Prediction Using GBR and MLPR	Iraqi Journal of Science	0067-2904	1.5	Scopus
12.	أماني جمال فاضل	Optimizing Neural Network Efficiency by Neuron Pruning	Basrah J. Science	2664-8288		محلية
13.	حنين جعفر صادق	Convergence Theorems for Derivatives of a New Baskakov -Type Operators	Wasit Journal for Pure Sciences	2790-5233		محلية
14.	جيهان محمد خضير	Explicit Representations of Solutions and Parameter Estimations Problems of Time Delay Tumor Cells Model	Wasit Journal for Pure Sciences	2790-5233		محلية

15.	أياد ريسان خضير	The delta $q$ - fractional Gronwall inequality on time scale	Results in Control and Optimization	2666-7207	3	Scopus and clarivate
16.	أياد ريسان خضير	Solving nonlinear stochastic differential equations via fourth-degree hat functions	Results in Control and Optimization	2666-7207	3	Scopus and clarivate
17.	أياد ريسان خضير	Integro-differential equations: Numerical solution by a new operational matrix based on fourth-order hat functions	Partial Differential Equations in Applied Mathematics	2666-8181	6.2	Scopus
18.	أياد ريسان خضير	A numerical method for solving quadratic fractional optimal control problems	Results in Control and Optimization	2666-7207	3	Scopus and clarivate
19.	أياد ريسان خضير	An analytical method for $q$ - fractional dynamical equations on time scales	Partial Differential Equations in Applied Mathematics	2666-8181	6.2	Scopus
20.	أياد ريسان خضير	Some delta $q$ -fractional Linear dynamic equations and a generalized delta $q$ -Mittag-Leffler function	Computational Methods for Differential Equations (CMDE)	2345-3982	2.2	Scopus and clarivate
21.	رنا داود عبدالوهاب داود الحلفي	The study of stability analysis of the Ebola virus via fractional model	<a href="#">Partial Differential Equations in Applied Mathematics</a>	2666-8181	6.2	سكوبس
22.	رنا داود عبدالوهاب داود الحلفي	<a href="#">Analytical Modeling of Mass and Heat Transfer on Unsteady Squeezing Viscous Nanofluid</a>	Iraqi Journal of Science	2312-1637	1.5	سكوبس

		Flow under the Influence of Slip Velocity				
23.	زينب سامي ماضي ديوان الضويح	Boundary values of Hankel and Toeplitz determinants for $q$ -convex functions	<a href="#">MethodsX</a>		3.6	سكوبس
24.	سعاد عبد الرزاق سوادي	$-k$ The generalized connectivity of equally complete bipartite graphs and line graphs their	Journal of Discrete Mathematical Sciences and Cryptography	0065-2169	3.6	سكوبس
25.	سعي د عبد الامير تعبان محمد الخزعل ي	Decomposition Matrix for the spin Characters, $S_{25}$ if the field characteristic is $p=7$	<a href="#">Journal of Al-Qadisiyah for Computer Science and Mathematics</a>			محلي
26.	سما هر عدنان عبدالغني ابراهيم العيسى	OPERATORS DIFFERENT FOR THE POLYNOMIALS $S_n(\delta, \zeta, \lambda q)$	Pacific Journal of Asia Mathematics	2205-2357	4	سكوبس
27.	سما هر عدنان عبدالغني ابراهيم العيسى	The Generalized Homogeneous $q$ -Shift Operator ${}_r\Phi_s(D_{xy})$ for $q$ -Identities and $q$ -Integrals	Iraqi Journal of Science	2904-0067	1.5	سكوبس
28.	سما هر عدنان عبدالغني ابراهيم العيسى	OF THE APPLICATIONS GENERALIZED HOMOGENEOUS $q$ -SHIFT OPERATOR IN $q$ -POLYNOMIALS	Journal of TWMS Applied and Engineering Mathematics	1147-2146		سكوبس

29.	صبيح لفتة جاسم محمود المعدن	stability Addressing challenges in linear descriptor systems: A unified approach to robust control	in Control and Results Optimization		3	سكوبس
30.	ندى كاظم مهدي عبدالله الكطران	Linear fractional dynamic equations: Hyers–Ulam stability analysis on time scale	Results in Control and Optimization		3	سكوبس
31.	عبير مجيد	The Analytical Improvement of q-Homotopy Analysis Method for Magneto- hydrodynamic (MHD) Jeffrey Hamel Nanofluid Flow	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2289-7879	2.4	Scopus
32.	عبير مجيد	Improve Solutions of Differential Transform Method for Jeffrey Hamel Magneto- hydrodynamic Non-Newtonian Casson Fluid Flow Problem	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2289-7879	2.4	Scopus
33.	عبير مجيد	Improve Analytical Solutions for Trapezoidal, Rectangular and Dovetail Shapes of Inclined Longitudinal Porous Fin	CFD Letters	2180-1363	3.4	
34.	عبير مجيد	Study the Effect of Suction- Injection parameters Numerically and Analytically for Magneto hydrodynamic Jeffery Hamel Fluid Flow Problem	Wasit	2790-5233		محلي
35.	زينب امين	Towards a comprehensive understanding of blockchain technology adoption in various industries in developing and	Cogent Business & Management		4.4	Scopus

		emerging economies: a systematic review				
.36	زينب امين	Deep Sentiment Analysis System with Attention Mechanism for the COVID-19 Vaccine	TEM Journal	2217-8309	2.2	Scopus
.37	زينب امين	Predictors of Blockchain Technology Acceptance in Medical Imaging: The Mediating Role of Initial Trust	Engineering, Technology & Applied Science Research	17928036, 22414487		
.38	عبدالله عبدالقادر	Inference for Generalized Inverted Exponential Distribution Under Progressive Type-I Interval Censored Data	Iraqi Journal of Science	0067-2904	1.5	Scopus
.39	عبدالله عبدالقادر	Inspection Times and Optimal Censoring Scheme for Generalized Inverted Exponential Distribution with Progressive type I Interval Censored Data	Iraqi Journal of Science	0067-2904	1.5	Scopus
.40	عبدالله عبدالقادر	Comparing Robust Wilks' statistics in Multivariate Multiple Linear Regression	Journal of Kufa for Mathematics and Computer			محلي
.41	عبدالله عبدالقادر	Compare Robust Wilk's statistics Based on MM-estimator for the Multivariate Multiple Linear Regression	مجلة ميسان للدراسات الاكاديمية			محلي

42.	سناء لفقة	Design of Optimal Control for the In-host Tuberculosis Fractional Model	Iraqi Journal of Science	0067-2904	1.5	Scopus
43.	خلدون سعد غالب	The LP-spaces of functions from the n-dimensional real space to the N-dimensional quaternionic space	Iraqi Journal of Science	0067-2904	1.5	Scopus
44.	زينب علي خلف	An Approach for Aircraft Detection using VGG19 and OCSVM	International Journal of Computing and Digital Systems	2210-142X	1.7	
45.	زينب علي خلف	Optimizing Neural Network Efficiency by Neuron Pruning	Basrah Journal of Sciences			محلي
46.	زينب علي خلف	A survey study in Object Detection: A Comprehensive Analysis of Traditional and State-of-the-Art Approaches	Journal of Basrah Researches (Sciences)	1817-2695		محلي
47.	رشا هادي جابر	Applications of the Finite Operator $3 \in 2$ ( q-N, a, b c, d ; q, -f $\theta$ ) for the Polynomials $B_n(a, b, c, d, f, x, y q)$	Iraqi Journal of Science	0067-2904	1.5	Scopus
48.	علاء عامر نجم	Solving Edges Deletion Problem of Generalized Petersen Graphs	Journal of Kufa for Mathematics and Computer			محلي
49.	علاء عامر نجم	r-Domination Number for Some Special Graphs	Journal of Basrah Researches (Sciences)	1817-2695		محلي

.50	علاء عامر نجم	Co r-Equality Domination in Graphs	BIO Web Conf.			مؤتمر محلي
.51	علاء عامر نجم	The Mole Plough Domination in Graphs	Journal of Education for Pure Science-University of Thi-Qar	2710-4281		محلي
.52	علاء عامر نجم	The Complete-Partite Grupir's Generalized Connectivity And Its Relation To Bipartite Graph	Iraqi Journal for Computer Science and Mathematics	27887421, 29580544	4.3	Scopus
.53	علاء عامر نجم	The generalized k-connectivity	Journal of Discrete Mathematical Sciences and Cryptography	9720529	3.1	Scopus
.54	شكر محمود خليل	On Permutation Rho-Transitive in Permutation Rho-Algebras	Iraqi Journal of Science	0067-2904	1.5	Scopus
.55	شكر محمود خليل	New Classes of the Quotient Permutation BN-Algebras in Permutation BN-Algebras	Trends in Mathematics	22970215, 2297024X	0.3	Scopus
.56	شكر محمود خليل	On Permutation Distributive BI-Algebras	Trends in Mathematics	22970215, 2297024X	0.3	Scopus
.57	شكر محمود خليل	On $\{1\}$ -commutative permutation BP-algebras	SPIE	0277786X, 1996756X		



58.	شكر محمود خليل	The decision-making process in learners' failure using fuzzy scale	Journal of Interdisciplinary Mathematics	0972-0502	2.7	
59.	شكر محمود خليل	On Permutation Commutative Q-Algebras with Their Ideals	2023 Second International Conference on Advanced Computer Applications (ACA)			مؤتمر محلي في ميسان
60.	محمد حمود	THE CONVERGENCE OF THE FINITE ELEMENT APPROXIMATION TO THE VWEAK SOLUTION OF ATTRACTION-REPULSION CHEMOTAXIS SYSTEM WITH ADDITIONAL SELF-DIFFUSION TERM	Journal of mathematical sciences	1573-8795	0.7	سكوبس
61.	محمد حمود	Finite element analysis for microscale heat equation with Neumann boundary conditions	Iranian Journal of Numerical Analysis and Optimization	6977-2423	0.8	سكوبس
62.	د.فرحان	Sensitivity analysis of the optimum solution to perturbations of the profit of an item in the multiple-choice knapsack problem	International Journal of Mathematics in Operational Research	1757-5869	2.1	سكوبس

63.	د. هدى زكي	Substitution strategy in a production-inventory system according to the higher order Markov model	AIP	1551-7616	0.5	سكوبس
64.	د. هدى زكي	A Modified MANOVA Model to Assess Water Quality	Journal of AL-Rafidain University College for Sciences	2790-2293		محلي
65.	د. هدى	A Multi-Objective Facility Coverage Location Problem for Emergency Medical Service Decisions in Hajj	Baghdad Science Journal	2411-7986	1.2	2 I.F 1.2
66.	د. محمد يوسف	Curvature Inheritance Symmetry of $C_g$ -manifolds	مجلة ميسان للدراسات الأكاديمية	2706-697x		محلي
67.	د. محمد يوسف	On generalized Kenmotsu manifolds as hypersurfaces of Vaisman–Gray manifolds	Vladikavkazskii Matematicheskii Zhurnal	1814-0807	0.349	0.349
68.	د. محمد يوسف	Generalized curvature tensor and the hypersurfaces of the Hermitian manifold for the class of Kenmotsu type	Communications in Mathematics	1804-1388	1	1
69.	د. محمد يوسف	A Review on Cartan's Structure Equations for Certain Classes of Almost Contact Metric Manifolds	Journal of Basrah Researches (Sciences)	1817-2695		محلي
70.	د. محمد علي	Large $(k, 3)$ -arcs in $PG(2, 19)$ and the related linear codes	Journal of Kufa for Mathematics and Computer	2518-0010		محلي

71.	د.محمد علي	classification of degree three arcs in PG (2, 19) up to stabilizer groups	Basrah Journal of Science	2664-8296		محلي
72.	د.عقيل حرفش	Soret and Dufour effects on stability and instability of Darcy problem in a porous medium with an exothermic boundary reaction	<i>International Communications in Heat and Mass Transfer (ICHMT)</i>	0735-1933	11 & impact factor=6.4	سكوبس
73.	د.عقيل حرفش	Global existence of a pair of coupled Cahn-Hilliard equations with nondegenerate mobility and logarithmic potential	Gulf journal of Mathematics	2309-4966	0.9	سكوبس
74.	د.عقيل حرفش	Existence and uniqueness of solution for the nonlinear Brusselator system with Robin boundary conditions	Georgian Mathematic journal	1572-9176	0.8	سكوبس
75.	د.عقيل حرفش	Double diffusive convection in bidispersive porous media with couple stresses effect and relatively large macropores	Numerical Heat Transfer, Part A: Applications	1521-0634	3.6	سكوبس
76.	د.عقيل حرفش	Stability and Instability of Darcy–Bénard Problem in Bidispersive Porous Medium with an Exothermic Boundary Reaction	Transport in Porous Media	1573-1634	5.3	سكوبس
77.	د.عقيل حرفش	Instability of Poiseuille Flow in a Bidisperse Porous Medium Subject to a Uniform Vertical Throughflow Effect	<i>Journal of Fluids Engineering</i>	0098-2202	4.6	سكوبس

.78	د. عقيل حرفش	Stability and instability of thermosolutal convection in a Brinkman–Darcy–Kelvin–Voigt fluid with couple stress effect	Physics of Fluids	1089-7666	6.5	سكوبس
.79	د. عقيل حرفش	Thermal convection in a Brinkman–Darcy and Kelvin–Voigt fluid of order one with coupled stresses effect - Afluk - 2025 - Heat Transfer - Wiley Online Library	Heat Transfer	2688-4542	6.3	Scopus
.80	د. عقيل حرفش	Finite element analysis of extended Fisher-Kolmogorov equation with Neumann boundary conditions	<a href="#">IMACS Journal</a>	1873-5460	5.6 2.2	Scopus & Clarivate
.81	د. عقيل حرفش	Thermosolutal convection in a Brinkman-Darcy- Kelvin-Voigt fluid with a bidisperse porous medium	F	1089-7666	2.5	Scopus
.82	د. عقيل حرفش	Analysis of a coupled pair of Cahn-Hilliard equations with nondegenerate mobility	Journal of Mathematical Modeling (JMM)	2382-9869	1.4	Scopus

.83	د. عقيل حرفش	INSTABILITY IN POISEUILLE FLOW IN A BIDISPERSE POROUS MEDIUM WITH RELATIVELY LARGE MACROPORES	Special Topics & Reviews in Porous Media: An International Journal	ISSN Print: 2151-4798 ISSN Online: 2151-562X	2	Scopus
.84	د. عقيل حرفش	Numerical analysis of the Brusselator model with Robin boundary conditions	SeMA Journal	ISSN:2254-3902E- ISSN:2281-7875	2.8	Scopus
.85	د. عقيل حرفش	Soret effect on stability of Darcy problemn in a bidispersive porous medium with an exothermic chemical service reactions	Journal of Applied Mathematics and Mechanics.	0044-2267E- ISSN:1521-4001	3.3	Scopus
.86	د. عقيل حرفش	Magnetohydrodynamic instability of fluid flow in a bidisperse porous medium	Journal of Engineering Mathematics	0022-0833E- ISSN:1573-2703	2.1	Scopus
.87	د. عقيل حرفش	Slip boundary conditions effect on bidispersive convection with local thermal non-equilibrium: Significant findings	Chinese Journal of Physics	0577-9073	8.5	Scopus
.88	د. عقيل حرفش	INSTABILITY OF THERMOSOLUTAL CONVECTION OF KELVIN-VOIGT FLUID INA POROUS MEDIUM USING DARCY-BRINKMAN MODEL	Journal of Porous Media	SSN Print: 1091-028X ISSN Online: 1934-0508	3.5	Scopus

89.	مروى محمد جواد	Decomposition matrices and Brauer trees of spin characters for $S_{25}$ $p=17$	Journal of Basrah Research. Science	2411-524X		محلي
90.	د.قصي سعود	A refinement of Morse–Novikov cohomology on manifolds with boundary and the cohomology of the space of solutions of $\ker \Delta \theta$	Journal of Topology and Analysis	1793-7167	Impact Factor: 0.5	Scopus CiteScore: 1.5
91.	د.ماهر	Salinization Impact on Degradation of Biodiversity Intactness Index at East Hammar Marsh -Basrah- Iraq	Egyptian Journal of Aquatic Biology and Fisheries	2536-9814	1.5	
92.	د.محمد خلف	The $L^p$ -spaces of functions from the $n$ -dimensional real space to the $N$ -dimensional quaternionic space	Iraqi Journal of Science	0067-2904	1.5	
93.	شكر محمود خليل	On cubic dihedral permutation $d$ /BCK-algebras	AIP Conf. Proc.	2834, 080031		
94.	شكر محمود خليل	New structure of $d$ -algebras using permutations	The International Society for Optical Engineering	12936,id. 129360M		
95.	شكر محمود خليل	On fuzzy normal RHO-filters and usual RHO-filters of RHO-algebras	AIP Conf. Proc	2834, 080036		

.96	شكر محمود خليل	On regular $\rho$ -algebras with strongly $\rho$ ideals in $\rho$ -algebras	AIP Conf. Proc	2834, 080004 .		
.97	شكر محمود خليل	Some properties of the circulant graphs	The International Society for Optical Engineering			
.98	شكر محمود خليل	Some results on intuitionistic E-algebra fuzzy metric like spaces	The International Society for Optical Engineering	1318805		
.99	شكر محمود خليل	The Chemical Elements with Their Applications in Fuzzy Delta-Algebraic Systems	Springer Proceedings in Mathematics & Statistics			
.100	شكر محمود خليل	Multiple Fuzzy Soft Graphs Based on Maps and Consider Their Applications in Decision-Making	Springer Proceedings in Mathematics & Statistics			
.101	شكر محمود خليل	New Structures of Soft Permutation in Commutative Q-Algebras	Iraqi Journal for Computer Science and Mathematics			
.102	شكر محمود خليل	Properties of Idealization Graph Over a Ring	Algorithms for Intelligent Systems			
.103	شكر محمود خليل	$N\alpha$ - Separation Axioms in Topological Spaces	Trends in Mathematics			

.104	شكر محمود خليل	The idealization ring	AIP Conf. Proc.			
.105	شكر محمود خليل	On Permutation Coxeter Algebras and Smarandache-Type Permutation P-Algebras	CRC Press, Taylor & Francis			
.106	شكر محمود خليل	The English language and its encoding in topological spaces	The International Society for Optical Engineering			
.107	شكر محمود خليل	The Alpha Star-Perfect Mapping in Topological Spaces	<b>Advances in Nonlinear Variational Inequalities</b>			
.108	شكر محمود خليل	On Soft Permutation Rho-Ideals in Soft Permutation Rho-Algebras	CRC Press, Taylor & Francis			
.109	شكر محمود خليل	Generated new classes of BCK-algebras using permutation quasi-ordered sets	<b><i>Journal of Discrete Mathematical Sciences &amp; Cryptography</i></b>			
.110	شكر محمود خليل	New Classes of Filters in Delta-Algebras	Iraqi Journal of Science			
.111	شكر محمود خليل	New structure of algebras using permutations in symmetric groups	JDMSC			



.112	شكر محمود خليل	Quotient Permutation BF-Algebras and Quotient Maps	<b>Advances in Nonlinear Variational Inequalities</b>			
.113	شكر محمود خليل	The construction of fuzzy subgroups of groups with units modulo 20 and 21	<b>JDMSC</b>			
.114	شكر محمود خليل	Structure of a new system of information in a soft rough setting based on new groups	<b><i>Journal of Discrete Mathematical Sciences &amp; Cryptography</i></b>			