Kottakkaran Sooppy Nisar

List of Publications by Year in Descending Order

616 papers	6,461 citations	34 h-index	45 g-index
699 ext. papers	10,197 ext. citations	3.2 avg, IF	7.51 L-index

#	Paper	IF	Citations
616	Results on Neutral Partial Integrodifferential Equations Using Monch-Krasnoselskii Fixed Point Theorem with Nonlocal Conditions. *Fractal and Fractional*, **2022**, 6, 75	3	9
615	Solving multi-objective linear fractional transportation problem under neutrosophic environment. *Journal of Interdisciplinary Mathematics*, **2022**, 25, 123-136	1.2	0
614	Performance-based comparison of Yamada-Ota and Hamilton-Crosser hybrid nanofluid flow models with magnetic dipole impact past a stretched surface.. *Scientific Reports*, **2022**, 12, 29	4.9	5
613	New fractional identities, associated novel fractional inequalities with applications to means and error estimations for quadrature formulas. *Journal of Inequalities and Applications*, **2022**, 2022,	2.1	1
612	New soliton solutions of Heisenberg ferromagnetic spin chain model **2022**, 96, 1		1
611	Cumulative Impact of Micropolar Fluid and Porosity on MHD Channel Flow: A Numerical Study. *Coatings*, **2022**, 12, 93	2.9	2
610	Abundant soliton wave solutions and the linear superposition principle for generalized (3+1)-D nonlinear wave equation in liquid with gas bubbles by bilinear analysis. *Results in Physics*, **2022**, 32, 105066	3.7	2
609	Hermite-Hadamard Fractional Inequalities for Differentiable Functions. *Fractal and Fractional*, **2022**, 6, 60	3	2
608	Alternate solution approach for ML-MOLFPP problems. *Journal of Interdisciplinary Mathematics*, **2022**, 25, 183-194	1.2	
607	Fractional Order Modeling the Gemini Virus in Capsicum annuum with Optimal Control. *Fractal and Fractional*, **2022**, 6, 61	3	15
606	Hydrodynamic and heat transfer analysis of dissimilar shaped nanoparticles-based hybrid nanofluids in a rotating frame with convective boundary condition.. *Scientific Reports*, **2022**, 12, 436	4.9	8
605	Evaluation of the Effect of Granite Waste Powder by Varying the Molarity of Activator on the Mechanical Properties of Ground Granulated Blast-Furnace Slag-Based Geopolymer Concrete.. *Polymers*, **2022**, 14,	4.5	3
604	A Note on Approximate Controllability of Fractional Semilinear Integrodifferential Control Systems via Resolvent Operators. *Fractal and Fractional*, **2022**, 6, 73	3	10
603	Endoscopy applications for the second law analysis in hydromagnetic peristaltic nanomaterial rheology.. *Scientific Reports*, **2022**, 12, 1580	4.9	2
602	Exact Controllability Results for Sobolev-Type Hilfer Fractional Neutral Delay Volterra-Fredholm Integro-Differential Systems. *Fractal and Fractional*, **2022**, 6, 81	3	0
601	An efficient numerical scheme for fractional model of telegraph equation. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 6383-6393	6.1	1
600	An analysis on the approximate controllability of Hilfer fractional neutral differential systems in Hilbert spaces. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 7291-7302	6.1	4

599	Some analytic and series solutions of integrable generalized Broer-Kaup system. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 7067-7074	6.1	0
598	Fractional order model for complex Layla and Majnun love story with chaotic behaviour. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 6725-6738	6.1	3
597	Thermal efficiency enhancement of solar aircraft by utilizing unsteady hybrid nanofluid: A single-phase optimized entropy analysis. *Sustainable Energy Technologies and Assessments*, **2022**, 52, 101898	4.7	6
596	Onset about non-isothermal flow of Williamson liquid over exponential surface by computing numerical simulation in perspective of Cattaneo Christov heat flux theory. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 6139-6150	6.1	7
595	Numerical solution of non-linear Bratu-type boundary value problems via quintic B-spline collocation method. *AIMS Mathematics*, **2022**, 7, 7257-7273	2.2	0
594	Heat flow saturate of Ag/MgO-water hybrid nanofluid in heated trigonal enclosure with rotate cylindrical cavity by using Galerkin finite element.. *Scientific Reports*, **2022**, 12, 2302	4.9	8
593	Certain Integral and Differential Formulas Involving the Product of Srivastava Polynomials and Extended Wright Function. *Fractal and Fractional*, **2022**, 6, 93	3	1
592	Radiation effect on MHD Casson fluid flow over an inclined non-linear surface with chemical reaction in a Forchheimer porous medium. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 8207-8207	6.1	9
591	On generalized fractional integral operator associated with generalized Bessel-Maitland function. *AIMS Mathematics*, **2022**, 7, 3027-3046	2.2	
590	Computational intelligence of Levenberg-Marquardt backpropagation neural networks to study thermal radiation and Hall effects on boundary layer flow past a stretching sheet. *International Communications in Heat and Mass Transfer*, **2022**, 130, 105799	5.8	8
589	Global proprieties of a delayed epidemic model with partial susceptible protection.. *Mathematical Biosciences and Engineering*, **2022**, 19, 209-224	2.1	2
588	Regularized Least Squares Twin SVM for Multiclass Classification. *Big Data Research*, **2022**, 27, 100295	3.7	2
587	Abundant M-fractional optical solitons to the pertubed Gerdjikov Ivanov equation treating the mathematical nonlinear optics. *Optical and Quantum Electronics*, **2022**, 54, 1	2.4	1
586	Doubly periodic wave structure of the modified Schr inger equation with fractional temporal evolution. *Results in Physics*, **2022**, 105128	3.7	0
585	New solutions for the generalized resonant nonlinear Schr inger equation. *Results in Physics*, **2022** , 105153	3.7	7
584	An existence theorem for nonlinear functional Volterra integral equations via Petryshyn's fixed point theorem. *AIMS Mathematics*, **2022**, 7, 5594-5604	2.2	1
583	Performance analysis of a modified Newton method for parameterized dual fuzzy nonlinear equations and its application. *Results in Physics*, **2022**, 33, 105140	3.7	1
582	IRKO: An Improved Runge-Kutta Optimization Algorithm for Global Optimization Problems. *Computers, Materials and Continua*, **2022**, 70, 4803-4827	3.9	2

581	Marangoni convection flow of TAl2O3 nanofluids past a porous stretching surface with thermal radiation effect in the presence of an inclined magnetic field. *Heat Transfer*, **2022**, 51, 534	3.1	6
580	Non-standard computational analysis of the stochastic COVID-19 pandemic model: An application of computational biology. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 619-630	6.1	6
579	BHGSO: Binary Hunger Games Search Optimization Algorithm for Feature Selection Problem. *Computers, Materials and Continua*, **2022**, 70, 557-579	3.9	5
578	Design of Computer Methods for the Solution of Cervical Cancer Epidemic Model. *Computers, Materials and Continua*, **2022**, 70, 1649-1666	3.9	2
577	Analysis of dengue transmission using fractional order scheme. *AIMS Mathematics*, **2022**, 7, 8408-8429	2.2	4
576	Dynamical behavior of tumor-immune system with fractal-fractional operator. *AIMS Mathematics*, **2022**, 7, 8751-8773	2.2	2
575	Results on controllability for Sobolev type fractional differential equations of order $ 1 < r < 2 $ with finite delay. *AIMS Mathematics*, **2022**, 7, 10215-10233	2.2	8
574	New approach on controllability of Hilfer fractional derivatives with nondense domain. *AIMS Mathematics*, **2022**, 7, 10079-10095	2.2	2
573	Significance of induced hybridized metallic and non-metallic nanoparticles in single-phase nano liquid flow between permeable disks by analyzing shape factor.. *Scientific Reports*, **2022**, 12, 3342	4.9	3
572	Time fractional analysis of channel flow of couple stress Casson fluid using Fick's and Fourier's Laws.. *Scientific Reports*, **2022**, 12, 2956	4.9	1
571	Thermal analysis for [Formula: see text]-sodium alginate magnetized Jeffrey's nanofluid flow past a stretching sheet embedded in a porous medium.. *Scientific Reports*, **2022**, 12, 3287	4.9	2
570	Dissipated electroosmotic EMHD hybrid nanofluid flow through the micro-channel.. *Scientific Reports*, **2022**, 12, 4771	4.9	5
569	Numerical assessment of heat and mass transportation in [Formula: see text] nanofluids influenced by Soret and Dufour effects.. *Scientific Reports*, **2022**, 12, 3987	4.9	2
568	Crank Nicholson scheme to examine the fractional-order unsteady nanofluid flow of free convection of viscous fluids.. *PLoS ONE*, **2022**, 17, e0261860	3.7	1
567	Some new type optical and the other soliton solutions of coupled nonlinear Hirota equation. *Results in Physics*, **2022**, 35, 105388	3.7	0
566	A note concerning to approximate controllability of Atangana-Baleanu fractional neutral stochastic systems with infinite delay. *Chaos, Solitons and Fractals*, **2022**, 157, 111916	9.3	10
565	Study of 3-D Prandtl Nanofluid Flow over a Convectively Heated Sheet: A Stochastic Intelligent Technique. *Coatings*, **2022**, 12, 24	2.9	4
564	Steady Magnetohydrodynamic Micropolar Fluid Flow and Heat and Mass Transfer in Permeable Channel with Thermal Radiation. *Coatings*, **2022**, 12, 11	2.9	0

563	Mass Transfer Past an Exponentially Stretching Surface with Variable Wall Concentration and MHD in Porous Medium. *Proceedings in Adaptation, Learning and Optimization*, **2022**, 10-21	0.2	
562	An investigation on boundary controllability for Sobolev-type neutral evolution equations of fractional order in Banach space. *AIMS Mathematics*, **2022**, 7, 11687-11707	2.2	1
561	Results on neutral differential equation of sobolev type with nonlocal conditions. *Chaos, Solitons and Fractals*, **2022**, 158, 112060	9.3	2
560	2D mixed convection non-Darcy model with radiation effect in a nanofluid over an inclined wavy surface. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 9965-9976	6.1	3
559	An interpretation on controllability of Hilfer fractional derivative with nondense domain. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 9941-9948	6.1	6
558	Existence and continuous dependence results for fractional evolution integrodifferential equations of order r?(1,2). *AEJ - Alexandria Engineering Journal*, **2022**, 61, 9929-9939	6.1	4
557	Numerical solution of system of fuzzy fractional order Volterra integro-differential equation using optimal homotopy asymptotic method. *AIMS Mathematics*, **2022**, 7, 13169-13191	2.2	2
556	Analysis of Multi Term Fractional Differential Equations using Variational Iteration Method. *The Punjab University Journal of Mathematics*, **2022**, 15-31		
555	COVID-19 propagation and the usefulness of awareness-based control measures: A mathematical model with delay. *AIMS Mathematics*, **2022**, 7, 12091-12105	2.2	2
554	Lie analysis, conserved vectors, nonlinear self-adjoint classification and exact solutions of generalized $ left(N+1right) $-dimensional nonlinear Boussinesq equation. *AIMS Mathematics*, **2022**, 7, 13139-13168	2.2	
553	Application of Darbo□ Fixed Point Theorem for Existence Result of Generalized 2D Functional Integral Equations. *Forum for Interdisciplinary Mathematics*, **2022**, 121-135	0.2	
552	Existence and controllability of Hilfer fractional neutral differential equations with time delay via sequence method. *AIMS Mathematics*, **2022**, 7, 12760-12780	2.2	0
551	Homotopy analysis approach to study the dynamics of fractional deterministic Lotka-Volterra model. *Arab Journal of Basic and Applied Sciences*, **2022**, 29, 121-128	2.9	0
550	Thermodynamic analysis for bioconvection peristaltic transport of nanofluid with gyrotactic motile microorganisms and Arrhenius activation energy. *Case Studies in Thermal Engineering*, **2022**, 34, 102055	5.6	3
549	Joule heating and viscous dissipation effects in hydromagnetized boundary layer flow with variable temperature. *Case Studies in Thermal Engineering*, **2022**, 35, 102083	5.6	3
548	Numerical study of generalized 2-D nonlinear Schr□inger equation using Kansa method. *Mathematics and Computers in Simulation*, **2022**, 200, 186-198	3.3	0
547	Some fractional integral inequalities via $ h $-Godunova-Levin preinvex function. *AIMS Mathematics*, **2022**, 7, 13832-13844	2.2	2
546	On the exact solutions of nonlinear extended Fisher-Kolmogorov equation by using the He's variational approach. *AIMS Mathematics*, **2022**, 7, 13874-13886	2.2	0

545	Thermal analysis characterisation of solar-powered ship using Oldroyd hybrid nanofluids in parabolic trough solar collector: An optimal thermal application. *Nanotechnology Reviews*, **2022**, 11, 2015-2037	6.3	3
544	A note on existence and approximate controllability outcomes of Atangana-Baleanu neutral fractional stochastic hemivariational inequality. *Results in Physics*, **2022**, 105647	3.7	6
543	Knacks of neuro-computing to study the unsteady squeezed flow of MHD carbon nanotube with entropy generation. *International Communications in Heat and Mass Transfer*, **2022**, 135, 106140	5.8	2
542	Cubic spline solutions of the ninth order linear and non-linear boundary value problems. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 11635-11649	6.1	1
541	Computational examination of Jeffrey nanofluid through a stretchable surface employing Tiwari and Das model. *Open Physics*, **2021**, 19, 897-911	1.3	1
540	Some Inequalities for LR-$$left({h}_{1}, {h}_{2}right)$$-Convex Interval-Valued Functions by Means of Pseudo Order Relation. *International Journal of Computational Intelligence Systems*, **2021**, 14,	3.4	13
539	Heat Transfer Simulation for 3D MHD Rotating Hybrid NanoFluid Flow Between Parallel Plates in Parabolic Trough Solar Collector: A Numerical Study. *Journal of Engineering Thermophysics*, **2021**, 30, 704-726	1.4	1
538	The improved thermal efficiency of Prandtl-Eyring hybrid nanofluid via classical Keller box technique. *Scientific Reports*, **2021**, 11, 23535	4.9	7
537	Novel approach to the analysis of fifth-order weakly nonlocal fractional Schr□dinger equation with Caputo derivative. *Results in Physics*, **2021**, 31, 104958	3.7	20
536	A new extension and applications of Caputo fractional derivative operator. *Analysis (Germany)*, **2021**, 41, 1-11	0.4	1
535	A new extension of Srivastava□ triple hypergeometric functions and their associated properties. *Analysis (Germany)*, **2021**, 41, 13-24	0.4	5
534	Analytical solutions of generalized differential equations using quadratic-phase Fourier transform. *AIMS Mathematics*, **2021**, 7, 1925-1940	2.2	2
533	Comprehensive analysis on copper-iron (II, III)/oxide-engine oil Casson nanofluid flowing and thermal features in parabolic trough solar collector. *Journal of Taibah University for Science*, **2021**, 15, 619-636	3	19
532	Classes of new analytical soliton solutions to some nonlinear evolution equations. *Results in Physics*, **2021**, 31, 104947	3.7	1
531	New discussion on nonlocal controllability for fractional evolution system of order $1 Advances in Difference Equations, **2021**, 2021,	3.6	4
530	Ohmic heating effects and entropy generation for nanofluidic system of Ree-Eyring fluid: Intelligent computing paradigm. *International Communications in Heat and Mass Transfer*, **2021**, 129, 105683	5.8	27
529	Numerical solution of one- and two-dimensional time-fractional Burgers equation via Lucas polynomials coupled with Finite difference method. *AEJ - Alexandria Engineering Journal*, **2021**,	6.1	1
528	More General Weighted-Type Fractional Integral Inequalities via Chebyshev Functionals. *Fractal and Fractional*, **2021**, 5, 232	3	3

527	Computational analysis of thermal energy distribution of electromagnetic Casson nanofluid across stretched sheet: Shape factor effectiveness of solid-particles. *Energy Reports*, **2021**, 7, 7460-7477	4.6	11
526	Partial velocity slip effect on working magneto non-Newtonian nanofluids flow in solar collectors subject to change viscosity and thermal conductivity with temperature. *PLoS ONE*, **2021**, 16, e0259881	3.7	7
525	Entropy Amplified Solitary Phase Relative Probe on Engine Oil Based Hybrid Nanofluid. *Chinese Journal of Physics*, **2021**,	3.5	9
524	Flow and heat transport phenomenon for dynamics of Jeffrey nanofluid past stretchable sheet subject to Lorentz force and dissipation effects. *Scientific Reports*, **2021**, 11, 22924	4.9	8
523	MHD darcy-forchheimer nanofluid flow and entropy optimization in an odd-shaped enclosure filled with a (MWCNT-FeO/water) using galerkin finite element analysis. *Scientific Reports*, **2021**, 11, 22635	4.9	9
522	Higher-order accurate and conservative hybrid numerical scheme for multi-variables time-fractional Vlasov-Maxwell system: An Atangana-Baleanu Caputo approach. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 5269-5269	6.1	
521	Dynamics of Different Nonlinearities to the Perturbed Nonlinear Schr□inger Equation via Solitary Wave Solutions with Numerical Simulation. *Fractal and Fractional*, **2021**, 5, 213	3	5
520	A new exploration on the existence and approximate controllability for fractional semilinear impulsive control systems of order r?(1,2). *Chaos, Solitons and Fractals*, **2021**, 154, 111615	9.3	9
519	Galerkin finite element study for mixed convection (TiO-SiO/water) hybrid-nanofluidic flow in a triangular aperture heated beneath. *Scientific Reports*, **2021**, 11, 22905	4.9	9
518	A note on approximate controllability for nonlocal fractional evolution stochastic integrodifferential inclusions of order r?(1,2) with delay. *Chaos, Solitons and Fractals*, **2021**, 153, 111565	9.3	9
517	Heat Transfer Impacts on Maxwell Nanofluid Flow over a Vertical Moving Surface with MHD Using Stochastic Numerical Technique via Artificial Neural Networks. *Coatings*, **2021**, 11, 1483	2.9	8
516	Comparative Study on Effects of Thermal Gradient Direction on Heat Exchange between a Pure Fluid and a Nanofluid: Employing Finite Volume Method. *Coatings*, **2021**, 11, 1481	2.9	7
515	Theoretical Analysis of Activation Energy Effect on Prandtl□Eyring Nanoliquid Flow Subject to Melting Condition. *Journal of Non-Equilibrium Thermodynamics*, **2021**,	3.8	10
514	Properties of some higher-dimensional nonlinear Schr□inger equations. *Results in Physics*, **2021**, 105073	3.7	0
513	Significance low oscillating magnetic field and Hall current in the nano-ferrofluid flow past a rotating stretchable disk. *Scientific Reports*, **2021**, 11, 23204	4.9	3
512	. *IEEE Access*, **2021**, 9, 151089-151109	3.5	2
511	Modified Optical Burst Switching (OBS) Based Edge Node Architecture Using Real-Time Scheduling Techniques. *IEEE Access*, **2021**, 9, 167305-167321	3.5	1
510	. *IEEE Access*, **2021**, 9, 139876-139887	3.5	3

509	Stratified heat transfer of magneto-tangent hyperbolic bio-nanofluid flow with gyrotactic microorganisms: Keller-Box solution technique. *Open Physics*, **2021**, 19, 568-582	1.3	
508	Epidemiological analysis of fractional order COVID-19 model with Mittag-Leffler kernel. *AIMS Mathematics*, **2021**, 7, 756-783	2.2	10
507	Fractional Dynamics of Typhoid Fever Transmission Models with Mass Vaccination Perspectives. *Fractal and Fractional*, **2021**, 5, 149	3	1
506	Chemical reaction and thermal radiation impact on a nanofluid flow in a rotating channel with Hall current. *Scientific Reports*, **2021**, 11, 19747	4.9	10
505	Finite difference simulations for magnetically effected swirling flow of Newtonian liquid induced by porous disk with inclusion of thermophoretic particles diffusion. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 4341-4341	6.1	8
504	Investigation of shape effects of Cu-nanoparticle on heat transfer of MHD rotating flow over nonlinear stretching sheet. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 4457-4457	6.1	3
503	Impact of Maxwell velocity slip and Smoluchowski temperature slip on CNTs with modified Fourier theory: Reiner-Philippoff model. *PLoS ONE*, **2021**, 16, e0258367	3.7	6
502	A discussion concerning the existence results for the Sobolev-type Hilfer fractional delay integro-differential systems. *Advances in Difference Equations*, **2021**, 2021,	3.6	9
501	Mathematical analysis of hepatitis B epidemic model with optimal control. *Advances in Difference Equations*, **2021**, 2021,	3.6	4
500	Numerical and sensitivity analysis of MHD bioconvective slip flow of nanomaterial with binary chemical reaction and Newtonian heating. *Heat Transfer*, **2021**, 50, 5439-5466	3.1	2
499	A semi-relativistic time-fractional Vlasov-Maxwell code for numerical simulation based on circular polarization and symmetric two-stream instability. *Results in Physics*, **2021**, 22, 103932	3.7	4
498	Single phase based study of Ag-Cu/EO Williamson hybrid nanofluid flow over a stretching surface with shape factor. *Physica Scripta*, **2021**, 96, 065202	2.6	41
497	Numerical solution of two-dimensional fractional order Volterra integro-differential equations. *AIP Advances*, **2021**, 11, 035232	1.5	2
496	Nanomaterials in convection flow of nanofluid in upright channel with gradients. *Journal of Materials Research and Technology*, **2021**, 11, 1411-1423	5.5	7
495	Stochastic modeling of within host dynamics of HCV model under therapy. *Results in Physics*, **2021**, 22, 103826	3.7	1
494	A reliable numerical method for solving fractional reaction-diffusion equations. *Journal of King Saud University - Science*, **2021**, 33, 101320	3.6	7
493	Insight into kerosene conveying CNTs and Fe3O4 nanoparticles through a porous medium: significance of Coriolis force and entropy generation. *Physica Scripta*, **2021**, 96, 055705	2.6	21
492	Keller box study for inclined magnetically driven Casson nanofluid over a stretching sheet: single phase model. *Physica Scripta*, **2021**, 96, 065201	2.6	25

491	On the solution of a parabolic PDE involving a gas flow through a semi-infinite porous medium. *Results in Physics*, **2021**, 22, 103884	3.7	2
490	Analytical behavior of the fractional Bogoyavlenskii equations with conformable derivative using two distinct reliable methods. *Results in Physics*, **2021**, 22, 103975	3.7	7
489	Computational single-phase comparative study of a Williamson nanofluid in a parabolic trough solar collector via the Keller box method. *International Journal of Energy Research*, **2021**, 45, 10696-10718	4.5	53
488	Entropy Generation Incorporating Nanofluids under the Influence of Nonlinear Radiation with Mixed Convection. *Crystals*, **2021**, 11, 400	2.3	2
487	Mathematical analysis and simulation of a stochastic COVID-19 Ly jump model with isolation strategy. *Results in Physics*, **2021**, 23, 103994	3.7	24
486	Magneto-hydrodynamics (MHD) flow analysis with mixed convection moves through a stretching surface. *AIP Advances*, **2021**, 11, 045001	1.5	15
485	Solitary wave patterns and conservation laws of fourth-order nonlinear symmetric regularized long-wave equation arising in plasma. *Ain Shams Engineering Journal*, **2021**, 12, 3919-3919	4.4	2
484	q-Binomial Convolution and Transformations of q-Appell Polynomials. *Axioms*, **2021**, 10, 70	1.6	1
483	Numerical study for epidemic model of hepatitis-B virus. *European Physical Journal Plus*, **2021**, 136, 1	3.1	3
482	Certain new proportional and Hadamard proportional fractional integral inequalities. *Journal of Inequalities and Applications*, **2021**, 2021,	2.1	2
481	Bernstein basis functions based algorithm for solving system of third order initial value problems. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 2395-2404	6.1	1
480	Numerical solution of 2D-fuzzy Fredholm integral equations using optimal homotopy asymptotic method. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 2483-2490	6.1	2
479	Radiative heat transfer of second grade nanofluid flow past a porous flat surface: a single-phase mathematical model. *Physica Scripta*, **2021**, 96, 064006	2.6	49
478	Uncertainty principles for the quadratic-phase Fourier transforms. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 10416-10431	2.3	10
477	Thermal transport investigation in AA7072 and AA7075 aluminum alloys nanomaterials based radiative nanofluids by considering the multiple physical flow conditions. *Scientific Reports*, **2021**, 11, 9837	4.9	6
476	Fractional dynamics of huanglongbing transmission within a citrus tree. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 11404-11424	2.3	8
475	An analysis of controllability results for nonlinear Hilfer neutral fractional derivatives with non-dense domain. *Chaos, Solitons and Fractals*, **2021**, 146, 110915	9.3	24
474	New exact static solutions of Einstein-Maxwell field equations with a magnetic dipole. *Results in Physics*, **2021**, 24, 104136	3.7	4

473	Results on the approximate controllability of fractional hemivariational inequalities of order $1 Advances in Difference Equations, **2021**, 2021,	3.6	4
472	A Fractional Epidemic Model with Mittag-Leffler Kernel for COVID-19. *Mathematical Biology and Bioinformatics*, **2021**, 16, 39-56	0.5	7
471	Fibonacci wavelet method for solving time-fractional telegraph equations with Dirichlet boundary conditions. *Results in Physics*, **2021**, 24, 104123	3.7	9
470	Solutions to the Konopelchenko-Dubrovsky equation and the Landau-Ginzburg-Higgs equation via the generalized Kudryashov technique. *Results in Physics*, **2021**, 24, 104092	3.7	9
469	Computations of mixed convection slip flow around the surface of a sphere: Effects of thermophoretic transportation and viscous dissipation. *Heat Transfer*, **2021**, 50, 7349	3.1	7
468	Study on heat transfer aspects of solar aircraft wings for the case of Reiner-Philippoff hybrid nanofluid past a parabolic trough: Keller box method. *Physica Scripta*, **2021**, 96, 095220	2.6	19
467	Certain approximation properties of Brenke polynomials using Jakimovski□leviatan operators. *Journal of Inequalities and Applications*, **2021**, 2021,	2.1	2
466	Splines solutions of boundary value problems that arises in sculpturing electrical process of motors with two rotating mechanism circuit. *Physica Scripta*, **2021**, 96, 104001	2.6	16
465	Extension of natural transform method with Daftardar-Jafari polynomials for fractional order differential equations. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 3205-3217	6.1	4
464	A study on canine distemper virus (CDV) and rabies epidemics in the red fox population via fractional derivatives. *Results in Physics*, **2021**, 25, 104281	3.7	14
463	The multi-service schemes for SAC-OCDMA systems with variable code weight. *Optical and Quantum Electronics*, **2021**, 53, 1	2.4	4
462	Numerical Simulation of Heat Mass Transfer Effects on MHD Flow of Williamson Nanofluid by a Stretching Surface with Thermal Conductivity and Variable Thickness. *Coatings*, **2021**, 11, 684	2.9	6
461	Combined effect of using porous media and nano-particle on melting performance of PCM filled enclosure with triangular double fins. *Case Studies in Thermal Engineering*, **2021**, 25, 100939	5.6	21
460	Some New Harmonically Convex Function Type Generalized Fractional Integral Inequalities. *Fractal and Fractional*, **2021**, 5, 54	3	3
459	Mathematical modeling of the COVID-19 pandemic with intervention strategies. *Results in Physics*, **2021**, 25, 104285	3.7	29
458	Effect of volume fraction and size of Al2O3 nanoparticles in thermal, frictional and economic performance of circumferential corrugated helical tube. *Case Studies in Thermal Engineering*, **2021**, 25, 100948	5.6	14
457	Prediction studies of the epidemic peak of coronavirus disease in Brazil via new generalised Caputo type fractional derivatives. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 3189-3204	6.1	25
456	Super-criticism of electrochemical double layer capacitor for diffusion phenomenon: A fractional application of ultracapacitor. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 3361-3368	6.1	3

455	Micropolar fluid past a convectively heated surface embedded with nth order chemical reaction and heat source/sink. *Physica Scripta*, **2021**, 96, 104010	2.6	18
454	Results concerning to approximate controllability of non-densely defined Sobolev-type Hilfer fractional neutral delay differential system. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 13615	2.3	18
453	Mathematical analysis and numerical investigation of advection-reaction-diffusion computer virus model. *Results in Physics*, **2021**, 26, 104294	3.7	4
452	A new aspect of generalized integral operator and an estimation in a generalized function theory. *Advances in Difference Equations*, **2021**, 2021,	3.6	2
451	Fractional dynamics of 2019-nCOV in Spain at different transmission rate with an idea of optimal control problem formulation. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 2204-2204	6.1	3
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