Adem Kiliman

List of Publications by Citations

280 papers	2,072 citations	21 h-index	32 g-index
336 ext. papers	2,431 ext. citations	1.7 avg, IF	5.84 L-index

#	Paper	IF	Citations
280	Kronecker operational matrices for fractional calculus and some applications. *Applied Mathematics and Computation*, **2007**, 187, 250-265	2.7	109
279	A new hyperchaotic map and its application for image encryption. *European Physical Journal Plus*, **2018**, 133, 1	3.1	54
278	Aggregation of infinite chains of intuitionistic fuzzy sets and their application to choices with temporal intuitionistic fuzzy information. *Information Sciences*, **2020**, 514, 106-117	7.7	53
277	On the applications of Laplace and Sumudu transforms. *Journal of the Franklin Institute*, **2010**, 347, 848-862	4	51
276	Peristaltic flow of a Jeffrey fluid under the effect of radially varying magnetic field in a tube with an endoscope. *Journal of Magnetism and Magnetic Materials*, **2015**, 384, 79-86	2.8	47
275	Homotopy Perturbation Method for Fractional Gas Dynamics Equation Using Sumudu Transform. *Abstract and Applied Analysis*, **2013**, 2013, 1-8	0.7	46
274	A fractional order SIR epidemic model for dengue transmission. *Chaos, Solitons and Fractals*, **2018**, 114, 55-62	9.3	37
273	A new addition formula for elliptic curves over GF(2/sup n/). *IEEE Transactions on Computers*, **2002**, 51, 972-975	2.5	35
272	Homotopy Perturbation Method for Fractional Black-Scholes European Option Pricing Equations Using Sumudu Transform. *Mathematical Problems in Engineering*, **2013**, 2013, 1-7	1.1	33
271	A note on solutions of wave, Laplace and heat equations with convolution terms by using a double Laplace transform. *Applied Mathematics Letters*, **2008**, 21, 1324-1329	3.5	33
270	A new integral transform and associated distributions. *Integral Transforms and Special Functions*, **2010**, 21, 367-379	1	31
269	Vector least-squares solutions for coupled singular matrix equations. *Journal of Computational and Applied Mathematics*, **2007**, 206, 1051-1069	2.4	31
268	Dynamics and Complexity of a New 4D Chaotic Laser System. *Entropy*, **2019**, 21,	2.8	30
267	Improved ()-Expansion Method for the Space and Time Fractional Foam Drainage and KdV Equations. *Abstract and Applied Analysis*, **2013**, 2013, 1-7	0.7	29
266	On Sumudu Transform and System of Differential Equations. *Abstract and Applied Analysis*, **2010**, 2010, 1-11	0.7	24
265	Designing an M-dimensional nonlinear model for producing hyperchaos. *Chaos, Solitons and Fractals* , **2018**, 114, 506-515	9.3	23
264	Wavelet analysis method for solving linear and nonlinear singular boundary value problems. *Applied Mathematical Modelling*, **2013**, 37, 5876-5886	4.5	23

263	Analytical Solutions of the Space-Time Fractional Derivative of Advection Dispersion Equation. *Mathematical Problems in Engineering*, **2013**, 2013, 1-9	1.1	23
262	Pricing Currency Option in a Mixed Fractional Brownian Motion with Jumps Environment. *Mathematical Problems in Engineering*, **2014**, 2014, 1-13	1.1	22
261	An Efficient Approach for Fractional Harry Dym Equation by Using Sumudu Transform. *Abstract and Applied Analysis*, **2013**, 2013, 1-8	0.7	22
260	Some new connections between matrix products for partitioned and non-partitioned matrices. *Computers and Mathematics With Applications*, **2007**, 54, 763-784	2.7	22
259	A numerical approach for solving singular nonlinear Lane–Emden type equations arising in astrophysics. *New Astronomy*, **2015**, 34, 178-186	1.8	21
258	A Collocation Method Based on the Bernoulli Operational Matrix for Solving Nonlinear BVPs Which Arise from the Problems in Calculus of Variation. *Mathematical Problems in Engineering*, **2013**, 2013, 1-9	1.1	21
257	Existence of solutions for a mixed fractional boundary value problem. *Advances in Difference Equations*, **2017**, 2017,	3.6	20
256	Explicit Solution of Telegraph Equation Based on Reproducing Kernel Method. *Journal of Function Spaces and Applications*, **2012**, 2012, 1-23		20
255	An application of double Laplace transform and double Sumudu transform. *Lobachevskii Journal of Mathematics*, **2009**, 30, 214-223	0.9	19
254	An Adjustable Approach to Multi-Criteria Group Decision-Making Based on a Preference Relationship Under Fuzzy Soft Information. *International Journal of Fuzzy Systems*, **2017**, 19, 1840-1865	3.6	18
253	On intellectual capital and financial performances of banks in Malaysia. *Cogent Economics and Finance*, **2018**, 6, 1453574	1.4	18
252	Pathway Fractional Integral Operator Associated with 3m-Parametric Mittag-Leffler Functions. *International Journal of Applied and Computational Mathematics*, **2018**, 4, 1	1.3	18
251	Fractional Calculus and Its Applications in Applied Mathematics and Other Sciences. *Mathematical Problems in Engineering*, **2014**, 2014, 1-2	1.1	18
250	A Fractional-Order Predator–Prey Model with Ratio-Dependent Functional Response and Linear Harvesting. *Mathematics*, **2019**, 7, 1100	2.3	18
249	Multi-attribute decision-making based on soft set theory: a systematic review. *Soft Computing*, **2019**, 23, 6899-6920	3.5	17
248	Application of differential transform method on nonlinear integro-differential equations with proportional delay. *Neural Computing and Applications*, **2014**, 24, 391-397	4.8	17
247	On the rational second kind Chebyshev pseudospectral method for the solution of the Thomas–Fermi equation over an infinite interval. *Journal of Computational and Applied Mathematics* , **2014**, 257, 79-85	2.4	17
246	The Use of Sumudu Transform for Solving Certain Nonlinear Fractional Heat-Like Equations. *Abstract and Applied Analysis*, **2013**, 2013, 1-12	0.7	17

245	A note on defining singular integral as distribution and partial differential equations with convolution term. *Mathematical and Computer Modelling*, **2009**, 49, 327-336		17
244	Fourier Operational Matrices of Differentiation and Transmission: Introduction and Applications. *Abstract and Applied Analysis*, **2013**, 2013, 1-11	0.7	15
243	A Possible Generalization of Acoustic Wave Equation Using the Concept of Perturbed Derivative Order. *Mathematical Problems in Engineering*, **2013**, 2013, 1-6	1.1	15
242	Stancu Type Baskakov□Durrmeyer Operators and Approximation Properties. *Mathematics*, **2020**, 8, 1164	2.3	15
241	Pricing European options and currency options by time changed mixed fractional Brownian motion with transaction costs. *International Journal of Financial Engineering*, **2016**, 03, 1650003	0.4	14
240	Development of key-dependent dynamic S-Boxes with dynamic irreducible polynomial and affine constant. *Advances in Mechanical Engineering*, **2018**, 10, 168781401878163	1.2	14
239	Notions of generalized s-convex functions on fractal sets. *Journal of Inequalities and Applications*, **2015**, 2015,	2.1	14
238	On the generalized Hartley-Hilbert and Fourier-Hilbert transforms. *Advances in Difference Equations* , **2012**, 2012,	3.6	14
237	Robustness of Operational Matrices of Differentiation for Solving State-Space Analysis and Optimal Control Problems. *Abstract and Applied Analysis*, **2013**, 2013, 1-9	0.7	14
236	Teaching and Learning using Mathematics Software □the New Challenge□*Procedia, Social and Behavioral Sciences*, **2010**, 8, 613-619		14
235	Parameter Reduction of Fuzzy Soft Sets: An Adjustable Approach Based on the Three-Way Decision. *International Journal of Fuzzy Systems*, **2018**, 20, 928-942	3.6	14
234	On the refinement of Jensen□ inequality. *Applied Mathematics and Computation*, **2015**, 262, 128-135	2.7	13
233	Fractional Variational Iteration Method and Its Application to Fractional Partial Differential Equation. *Mathematical Problems in Engineering*, **2013**, 2013, 1-10	1.1	13
232	Modified Kudryashov Method to Solve Generalized Kuramoto-Sivashinsky Equation. *Symmetry*, **2018**, 10, 527	2.7	13
231	m-Polar Fuzzy Soft Weighted Aggregation Operators and Their Applications in Group Decision-Making. *Symmetry*, **2018**, 10, 636	2.7	13
230	On Conformable Double Laplace Transform and One Dimensional Fractional Coupled Burgers□ Equation. *Symmetry*, **2019**, 11, 417	2.7	12
229	On Defining The Incomplete Gamma Function. *Integral Transforms and Special Functions*, **2003**, 14, 293-299		12
228	Propagation of p- and T-waves in solid-liquid of thermoelastic media subjected to initial stress and magnetic field in the context of CT-theory. *Journal of Mechanical Science and Technology*, **2015**, 29, 579-591	1.6	11

227	Approximate solution of integro-differential equation of fractional (arbitrary) order. *Journal of King Saud University - Science*, **2016**, 28, 61-68	3.6	11
226	A new integral transform on time scales and its applications. *Advances in Difference Equations*, **2012** , 2012, 60	3.6	11
225	A note on the classifications of hyperbolic and elliptic equations with polynomial coefficients. *Applied Mathematics Letters*, **2008**, 21, 1124-1128	3.5	11
224	Extension and generalization inequalities involving the Khatri-Rao product of several positive matrices. *Journal of Inequalities and Applications*, **2006**, 2006, 1-21	2.1	11
223	On neutrosophic soft lattices. *Afrika Matematika*, **2017**, 28, 379-388	0.7	10
222	Note on the Convergence Analysis of Homotopy Perturbation Method for Fractional Partial Differential Equations. *Abstract and Applied Analysis*, **2014**, 2014, 1-8	0.7	10
221	An Efficient Spectral Approximation for Solving Several Types of Parabolic PDEs with Nonlocal Boundary Conditions. *Mathematical Problems in Engineering*, **2014**, 2014, 1-6	1.1	10
220	Analytical Solutions of Boundary Values Problem of 2D and 3D Poisson and Biharmonic Equations by Homotopy Decomposition Method. *Abstract and Applied Analysis*, **2013**, 2013, 1-9	0.7	10
219	Numerical Solutions of the Second-Order One-Dimensional Telegraph Equation Based on Reproducing Kernel Hilbert Space Method. *Abstract and Applied Analysis*, **2013**, 2013, 1-13	0.7	10
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208	Dynamic safety assessment of a nonlinear pumped-storage generating system in a transient process. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 67, 192-202	3.7	9
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206	Korovkin Second Theorem via -Statistical -Summability. *Abstract and Applied Analysis*, **2013**, 2013, 1-6	0.7	9
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197	Note on transport equation and fractional Sumudu transform. *Computers and Mathematics With Applications*, **2011**, 62, 2995-3003	2.7	8
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191	The valuation of currency options by fractional Brownian motion. *SpringerPlus*, **2016**, 5, 1145		7
190	An estimate of Sumudu transforms for Boehmians. *Advances in Difference Equations*, **2013**, 2013,	3.6	7
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187	Approximation Properties and q -Statistical Convergence of Stancu-Type Generalized Baskakov-Szsz Operators. *Journal of Function Spaces*, **2022**, 2022, 1-9	0.8	7
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182	On Diffraction Fresnel Transforms for Boehmians. *Abstract and Applied Analysis*, **2011**, 2011, 1-11	0.7	6
181	Some Remarks on the Sumudu and Laplace Transforms and Applications to Differential Equations. *ISRN Applied Mathematics*, **2012**, 2012, 1-13		6
180	On the Fresnel integrals and the convolution. *International Journal of Mathematics and Mathematical Sciences*, **2003**, 2003, 2635-2643	0.8	6
179	ON GENERALIZED s-CONVEX FUNCTIONS ON FRACTAL SETS **2015**, 17, 63-82		6
178	Generalized Integral Inequalities for HermiteHadamard-Type Inequalities via s-Convexity on Fractal Sets. *Mathematics*, **2019**, 7, 1065	2.3	6
177	Generalized Preinvex Functions and Their Applications. *Symmetry*, **2018**, 10, 493	2.7	6
176	Operators with diskcyclic vectors subspacesPeer review under responsibility of Taibah University.View all notes. *Journal of Taibah University for Science*, **2015**, 9, 414-419	3	5
175	Claim Dependence Induced by Common Effects in Hierarchical Credibility Models. *Communications in Statistics - Theory and Methods*, **2013**, 42, 3373-3400	0.5	5
174	Solving Fractional Partial Differential Equations with Corrected Fourier Series Method. *Abstract and Applied Analysis*, **2014**, 2014, 1-5	0.7	5

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171	Some Remarks on the Extended Hartley-Hilbert and Fourier-Hilbert Transforms of Boehmians. *Abstract and Applied Analysis*, **2013**, 2013, 1-6	0.7	5
170	On a New Integral Transform and Differential Equations. *Mathematical Problems in Engineering*, **2010**, 2010, 1-13	1.1	5
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167	Analytic approximate solutions for fluid flow in the presence of heat and mass transfer. *Thermal Science*, **2018**, 22, 259-264	1.2	5
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165	On geodesic semi strongly E-convex functions. *Journal of Interdisciplinary Mathematics*, **2016**, 19, 1039-1055	0.2	5
164	Note on fractional Mellin transform and applications. *SpringerPlus*, **2016**, 5, 100		5
163	The development of a deterministic dengue epidemic model with the influence of temperature: A case study in Malaysia. *Applied Mathematical Modelling*, **2021**, 90, 547-567	4.5	5
162	On the solution of (n+1)-dimensional fractional M-Burgers equation. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 1165-1172	6.1	5
161	A Review of Some Works in the Theory of Diskcyclic Operators. *Bulletin of the Malaysian Mathematical Sciences Society*, **2016**, 39, 723-739	1.2	4
160	Fractional double Laplace transform and its properties **2017**,		4
159	On Reflection and Transmission of p- and Sv-Waves Phenomena at the Interface Between Solid-Liquid Media with Magnetic Field and Two Thermal Relaxation Times. *Journal of Thermal Stresses*, **2015**, 38, 447-467	2.2	4
158	Some Construction Methods of Aggregation Operators in Decision-Making Problems: An Overview. *Symmetry*, **2020**, 12, 694	2.7	4
157	Some properties for integro-differential operator defined by a fractional formal. *SpringerPlus*, **2016** , 5, 893		4
156	A fuzzy majority-based construction method for composed aggregation functions by using combination operator. *Information Sciences*, **2019**, 505, 367-387	7.7	4

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149	On the Connection between Kronecker and Hadamard Convolution Products of Matrices and Some Applications. *Journal of Inequalities and Applications*, **2009**, 2009, 736243	2.1	4
148	Some Existence Results for Impulsive Nonlinear Fractional Differential Equations with Closed Boundary Conditions. *Abstract and Applied Analysis*, **2012**, 2012, 1-15	0.7	4
147	Modelling of Marangoni convection using proper orthogonal decomposition. *Nonlinear Dynamics*, **2007**, 48, 331-337	5	4
146	A note on a singular coupled Burgers equation and double Laplace transform method. *Journal of Nonlinear Science and Applications*, **2018**, 11, 635-643	1.9	4
145	Refinements of Jensen inequality for convex functions on the co-ordinates in a rectangle from the plane. *Filomat*, **2016**, 30, 803-814	0.7	4
144	Modified homotopy perturbation method for solving linear second-order Fredholm integro-differential equations. *Filomat*, **2016**, 30, 1823-1831	0.7	4
143	Integral Inequalities for s-Convexity via Generalized Fractional Integrals on Fractal Sets. *Mathematics*, **2020**, 8, 53	2.3	4
142	A novel subclass of analytic functions specified by a family of fractional derivatives in the complex domain. *Filomat*, **2017**, 31, 2837-2849	0.7	4
141	On the solutions of three-point boundary value problems using variational-fixed point iteration method. *Mathematical Sciences*, **2016**, 10, 33-40	1.6	4
140	Asymptotic and boundedness behaviour of a rational difference equation. *Journal of Difference Equations and Applications*, **2019**, 25, 305-312	1	3
139	Mixed Solutions of Monotone Iterative Technique for Hybrid Fractional Differential Equations. *Lobachevskii Journal of Mathematics*, **2019**, 40, 156-165	0.9	3
138	Separation Axioms of Interval-Valued Fuzzy Soft Topology via Quasi-Neighborhood Structure. *Mathematics*, **2020**, 8, 178	2.3	3

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118	Solvability of a boundary value problem at resonance. *SpringerPlus*, **2016**, 5, 1504		3
117	Computing new solutions of algebro-geometric equation using the discrete inverse Sumudu transform. *Advances in Difference Equations*, **2018**, 2018,	3.6	3
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108	Qualitative study of Riccati difference equation on maneuvering target tracking and fault diagnosis of wind turbine gearbox. *Cogent Engineering*, **2019**, 6, 1621423	1.5	2
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