

# Erdal Bas

## List of Publications by Year in descending order

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papers

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citations

686830

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41  
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41  
docs citations

41  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real world applications of fractional models by Atangana and Baleanu fractional derivative. Chaos, Solitons and Fractals, 2018, 116, 121-125.	2.5	89
2	Fractional economic models based on market equilibrium in the frame of different type kernels. Chaos, Solitons and Fractals, 2020, 130, 109438.	2.5	65
3	Non-local fractional calculus from different viewpoint generated by truncated $M$ -derivative. Journal of Computational and Applied Mathematics, 2020, 366, 112410.	1.1	41
4	Fractional models with singular and non-singular kernels for energy efficient buildings. Chaos, 2019, 29, 023110.	1.0	36
5	Fractional singular Sturm-Liouville operator for Coulomb potential. Advances in Difference Equations, 2013, 2013, .	3.5	32
6	Comparative simulations for solutions of fractional Sturm-Liouville problems with non-singular operators. Advances in Difference Equations, 2018, 2018, .	3.5	24
7	Fractional physical problems including wind-influenced projectile motion with Mittag-Leffler kernel. AIMS Mathematics, 2020, 5, 467-481.	0.7	23
8	Novel Fractional Models Compatible with Real World Problems. Fractal and Fractional, 2019, 3, 15.	1.6	20
9	Fractional physical models based on falling body problem. AIMS Mathematics, 2020, 5, 2608-2628.	0.7	20
10	Fundamental Spectral Theory of Fractional Singular Sturm-Liouville Operator. Journal of Function Spaces and Applications, 2013, 2013, 1-7.	0.5	19
11	The Inverse Nodal problem for the fractional diffusion equation. Acta Scientiarum - Technology, 2015, 37, 251.	0.4	19
12	The price adjustment equation with different types of conformable derivatives in market equilibrium. AIMS Mathematics, 2019, 4, 805-820.	0.7	18
13	Fractional Solutions of Bessel Equation with $\psi$ -Method. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	15
14	$\hat{I}^{\alpha}$ -type fractional Sturm-Liouville Coulomb operator and applied results. Mathematical Methods in the Applied Sciences, 2019, 42, 6648-6659.	1.2	12
15	The direct spectral problem via local derivative including truncated Mittag-Leffler function. Applied Mathematics and Computation, 2020, 367, 124787.	1.4	12
16	Representation of solutions for Sturm-Liouville eigenvalue problems with generalized fractional derivative. Chaos, 2020, 30, 033137.	1.0	11
17	Kinetic Model for Drying in Frame of Generalized Fractional Derivatives. Fractal and Fractional, 2020, 4, 17.	1.6	9
18	Sturm-Liouville difference equations having Bessel and hydrogen atom potential type. Open Physics, 2018, 16, 801-809.	0.8	8

#	ARTICLE	IF	CITATIONS
19	FRACTIONAL SOLUTIONS OF A CONFLUENT HYPERGEOMETRIC EQUATION. Journal of the Chungcheng Mathematical Society, 2012, 25, 149-157.	0.0	8
20	Sturm-Liouville problem via coulomb type in difference equations. Filomat, 2017, 31, 989-998.	0.2	8
21	Theory of discrete fractional Sturm-Liouville equations and visual results. AIMS Mathematics, 2019, 4, 593-612.	0.7	8
22	Spectral Analysis for Fractional Hydrogen Atom Equation. Advances in Pure Mathematics, 2015, 05, 767-773.	0.1	5
23	Reassessments of gross domestic product model for fractional derivatives with non-singular and singular kernels. Soft Computing, 2021, 25, 1535-1541.	2.1	4
24	Explicit Solutions of Fractional Schrödinger Equation via Fractional Calculus Operators. International Journal of Open Problems in Computer Science and Mathematics, 2012, 5, 132-141.	0.2	4
25	Existence and uniqueness analysis of solutions for Hilfer fractional spectral problems with applications. Computational and Applied Mathematics, 2021, 40, 1.	1.0	3
26	Sturm-Liouville Difference Equations Having Special Potentials. Journal of Advanced Physics, 2017, 6, 529-533.	0.4	3
27	Spectral data of conformable Sturm-Liouville direct problems. Analysis and Mathematical Physics, 2021, 11, 1.	0.6	2
28	An application of comparison criteria to fractional spectral problem having Coloumb potential. Thermal Science, 2018, 22, 79-85.	0.5	2
29	Spectral structure and solution of fractional hydrogen atom difference equations. AIMS Mathematics, 2020, 5, 1359-1371.	0.7	2
30	Inverse singular spectral problem via Hocshadt-Lieberman method. Communications Faculty of Science University of Ankara Series A1 Mathematics and Statistics, 2016, 65, 89-96.	0.2	2
31	Asymptotics of eigenfunctions for Sturm-Liouville problem in difference equations. AIP Conference Proceedings, 2016, , .	0.3	1
32	Representation of the solution for fractional Sturm-Liouville problem. AIP Conference Proceedings, 2016, , .	0.3	1
33	Spectral results of Sturm-Liouville difference equation with Dirichlet boundary conditions. AIP Conference Proceedings, 2016, , .	0.3	1
34	A new approach for higher-order difference equations and eigenvalue problems via physical potentials. European Physical Journal Plus, 2019, 134, 1.	1.2	1
35	Regular spectral problem for conformable Dirac system with simulation analysis. Journal of Interdisciplinary Mathematics, 2021, 24, 1497-1514.	0.4	1
36	Re-establishment singular spectral problem by nodal data. AIP Conference Proceedings, 2016, , .	0.3	0

#	ARTICLE	IF	CITATIONS
37	A Note on Sturm-Liouville Problem for Difference Equations. ITM Web of Conferences, 2017, 13, 01005.	0.4	0
38	Discrete fractional solutions of an associated Laguerre equation. AIP Conference Proceedings, 2018, , .	0.3	0
39	A uniqueness theorem for eigenvalue problem having special potential type. , 2017, 01, 33-39.		0
40	Energy-dependent fractional Sturm-Liouville impulsive problem. Thermal Science, 2019, 23, 139-152.	0.5	0
41	Modifiye EdilmiÅŸ Coulomb Potansiyelli Conformable Sturm-Liouville Problemi. Bilecik ÅŸzeyh Edebali Åœeniversitesi Fen Bilimleri Dergisi, 0, , .	0.1	0