

# Erdal Bas

## List of Publications by Year in descending order

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41  
papers

529  
citations

686830

13  
h-index

676716

22  
g-index

41  
all docs

41  
docs citations

41  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reassessments of gross domestic product model for fractional derivatives with non-singular and singular kernels. <i>Soft Computing</i> , 2021, 25, 1535-1541.	2.1	4
2	Spectral data of conformable Sturm-Liouville direct problems. <i>Analysis and Mathematical Physics</i> , 2021, 11, 1.	0.6	2
3	Existence and uniqueness analysis of solutions for Hilfer fractional spectral problems with applications. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	1.0	3
4	Regular spectral problem for conformable Dirac system with simulation analysis. <i>Journal of Interdisciplinary Mathematics</i> , 2021, 24, 1497-1514.	0.4	1
5	Fractional economic models based on market equilibrium in the frame of different type kernels. <i>Chaos, Solitons and Fractals</i> , 2020, 130, 109438.	2.5	65
6	The direct spectral problem via local derivative including truncated Mittag-Leffler function. <i>Applied Mathematics and Computation</i> , 2020, 367, 124787.	1.4	12
7	Non-local fractional calculus from different viewpoint generated by truncated $M$ -derivative. <i>Journal of Computational and Applied Mathematics</i> , 2020, 366, 112410.	1.1	41
8	Representation of solutions for Sturm-Liouville eigenvalue problems with generalized fractional derivative. <i>Chaos</i> , 2020, 30, 033137.	1.0	11
9	Kinetic Model for Drying in Frame of Generalized Fractional Derivatives. <i>Fractal and Fractional</i> , 2020, 4, 17.	1.6	9
10	Fractional physical problems including wind-influenced projectile motion with Mittag-Leffler kernel. <i>AIMS Mathematics</i> , 2020, 5, 467-481.	0.7	23
11	Spectral structure and solution of fractional hydrogen atom difference equations. <i>AIMS Mathematics</i> , 2020, 5, 1359-1371.	0.7	2
12	Fractional physical models based on falling body problem. <i>AIMS Mathematics</i> , 2020, 5, 2608-2628.	0.7	20
13	$\hat{I}^2$ type fractional Sturm-Liouville Coulomb operator and applied results. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 6648-6659.	1.2	12
14	A new approach for higher-order difference equations and eigenvalue problems via physical potentials. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	1
15	Novel Fractional Models Compatible with Real World Problems. <i>Fractal and Fractional</i> , 2019, 3, 15.	1.6	20
16	Fractional models with singular and non-singular kernels for energy efficient buildings. <i>Chaos</i> , 2019, 29, 023110.	1.0	36
17	Theory of discrete fractional Sturm-Liouville equations and visual results. <i>AIMS Mathematics</i> , 2019, 4, 593-612.	0.7	8
18	The price adjustment equation with different types of conformable derivatives in market equilibrium. <i>AIMS Mathematics</i> , 2019, 4, 805-820.	0.7	18

#	ARTICLE	IF	CITATIONS
19	Energy-dependent fractional Sturm-Liouville impulsive problem. Thermal Science, 2019, 23, 139-152.	0.5	0
20	Discrete fractional solutions of an associated Laguerre equation. AIP Conference Proceedings, 2018, , .	0.3	0
21	Sturm-Liouville difference equations having Bessel and hydrogen atom potential type. Open Physics, 2018, 16, 801-809.	0.8	8
22	Comparative simulations for solutions of fractional Sturm-Liouville problems with non-singular operators. Advances in Difference Equations, 2018, 2018, .	3.5	24
23	Real world applications of fractional models by Atangana-Baleanu fractional derivative. Chaos, Solitons and Fractals, 2018, 116, 121-125.	2.5	89
24	An application of comparison criteria to fractional spectral problem having Coloumb potential. Thermal Science, 2018, 22, 79-85.	0.5	2
25	A Note on Sturm-Liouville Problem for Difference Equations. ITM Web of Conferences, 2017, 13, 01005.	0.4	0
26	Sturm-Liouville Difference Equations Having Special Potentials. Journal of Advanced Physics, 2017, 6, 529-533.	0.4	3
27	Sturm-Liouville problem via coulomb type in difference equations. Filomat, 2017, 31, 989-998.	0.2	8
28	A uniqueness theorem for eigenvalue problem having special potential type. , 2017, 01, 33-39.		0
29	Re-establishment singular spectral problem by nodal data. AIP Conference Proceedings, 2016, , .	0.3	0
30	Asymptotics of eigenfunctions for Sturm-Liouville problem in difference equations. AIP Conference Proceedings, 2016, , .	0.3	1
31	Representation of the solution for fractional Sturm-Liouville problem. AIP Conference Proceedings, 2016, , .	0.3	1
32	Spectral results of Sturm-Liouville difference equation with Dirichlet boundary conditions. AIP Conference Proceedings, 2016, , .	0.3	1
33	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
34	&lt;b>&gt;The Inverse Nodal problem for the fractional diffusion equation. Acta Scientiarum - Technology, 2015, 37, 251.	0.4	19
35	Spectral Analysis for Fractional Hydrogen Atom Equation. Advances in Pure Mathematics, 2015, 05, 767-773.	0.1	5
36	Fractional singular Sturm-Liouville operator for Coulomb potential. Advances in Difference Equations, 2013, 2013, .	3.5	32

#	ARTICLE	IF	CITATIONS
37	Fundamental Spectral Theory of Fractional Singular Sturm-Liouville Operator. Journal of Function Spaces and Applications, 2013, 2013, 1-7.	0.5	19
38	Fractional Solutions of Bessel Equation with -Method. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	15
39	FRACTIONAL SOLUTIONS OF A CONFLUENT HYPERGEOMETRIC EQUATION. Journal of the Chungcheng Mathematical Society, 2012, 25, 149-157.	0.0	8
40	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
41	Modifiye EdilmiŸ Coulomb Potansiyelli Conformable Sturm-Liouville Problemi. Bilecik Ÿzeyh Edebali Ÿniversitesi Fen Bilimleri Dergisi, 0, , .	0.1	0