Oktay Duman

List of Publications by Year
in descending order

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89	1,183	394421	477307
papers	citations	19 h-index	29 g-index

91	91	91	315
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Allee effect in a discrete-time predatorâ€“prey system. Chaos, Solitons and Fractals, 2009, 40, 1956-1962.	5.1	94
2	SzÃ¡szâ€“Mirakjan type operators providing a better error estimation. Applied Mathematics Letters, 2007, 20, 1184-1188.	2.7	67
3	Statistical convergence on intuitionistic fuzzy normed spaces. Chaos, Solitons and Fractals, 2008, 35, 763-769.	5.1	66
4	Statistical approximation of certain positive linear operators constructed by means of the Chanâ€“Chyanâ€“Srivastava polynomials. Applied Mathematics and Computation, 2006, 182, 213-222.	2.2	65
5	Equi-statistical convergence of positive linear operators. Journal of Mathematical Analysis and Applications, 2008, 339, 1065-1072.	1.0	42
6	Î¼-Statistically Convergent Function Sequences. Czechoslovak Mathematical Journal, 2004, 54, 413-422.	0.3	38
7	Statistical approximation results for Kantorovich-type operators involving some special polynomials. Mathematical and Computer Modelling, 2008, 48, 388-401.	2.0	38
8	Statistical fuzzy approximation by fuzzy positive linear operators. Computers and Mathematics With Applications, 2008, 55, 573-580.	2.7	37
9	Allee effects on population dynamics with delay. Chaos, Solitons and Fractals, 2008, 37, 65-74.	5.1	37
10	Statistical rates on the multivariate approximation theory. Mathematical and Computer Modelling, 2006, 44, 763-770.	2.0	27
11	A Baskakov type generalization of statistical Korovkin theory. Journal of Mathematical Analysis and Applications, 2008, 340, 476-486.	1.0	27
12	Rates of <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	2.7	26
13	Smoothness Properties of Modified Bernstein-Kantorovich Operators. Numerical Functional Analysis and Optimization, 2016, 37, 92-105.	1.4	25
14	A-Statistical extension of the Korovkin type approximation theorem. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2005, 115, 499-508.	0.1	24
15	434-439.	0.5	24
16	Korovkin theorems on weighted spaces: revisited. Periodica Mathematica Hungarica, 2017, 75, 201-209.	0.9	24
17	Towards Intelligent Modeling: Statistical Approximation Theory. Intelligent Systems Reference Library, 2011, , .	1.2	24
18	Rates of convergence of certain King-type operators for functions with derivative of bounded variation. Mathematical and Computer Modelling, 2010, 52, 334-345.	2.0	23

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19	Local approximation behavior of modified SMK operators. Miskolc Mathematical Notes, 2010, 11, 87.	0.6	22
20	Statistical approximation by positive linear operators on modular spaces. Positivity, 2010, 14, 321-334.	0.7	21
21	Allee effects on population dynamics in continuous (overlapping) case. Chaos, Solitons and Fractals, 2009, 39, 1994-2001.	5.1	20
22	Statistical approximation theorems by k-positive linear operators. Archiv Der Mathematik, 2006, 86, 569-576.	0.5	16
23	Rates of <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	2.7	15
24	On the stability analysis of a general discrete-time population model involving predation and Allee effects. Chaos, Solitons and Fractals, 2009, 40, 1169-1175.	5.1	15
25	A-STATISTICAL CONVERGENCE OF SEQUENCES OF CONVOLUTION OPERATORS. Taiwanese Journal of Mathematics, 2008, 12, .	0.4	15
26	Stability analysis of continuous population model involving predation and Allee effect. Chaos, Solitons and Fractals, 2009, 41, 1218-1222.	5.1	14
27	Fundamental properties of statistical convergence and lacunary statistical convergence on time scales. Filomat, 2017, 31, 4455-4467.	0.5	14
28	Opial-type inequalities for diamond-alpha derivatives and integrals on time scales. Differential Equations and Dynamical Systems, 2010, 18, 229-237.	1.0	13
29	Statistical Convergence on Timescales and Its Characterizations. Springer Proceedings in Mathematics and Statistics, 2013, , 57-71.	0.2	13
30	Approximation of Continuous Periodic Functions Via Statistical Convergence. Computers and Mathematics With Applications, 2006, 52, 967-974.	2.7	12
31	Approximation by nonlinear integral operators via summability process. Mathematische Nachrichten, 2020, 293, 430-448.	0.8	12
32	Approximation by max-min operators: A general theory and its applications. Fuzzy Sets and Systems, 2020, 394, 146-161.	2.7	12
33	Statistical approximation by generalized Meyer-KÃ¶nig and Zeller type operators. Studia Scientiarum Mathematicarum Hungarica, 2003, 40, 359-371.	0.1	11
34	Rates of A-statistical convergence of approximating operators. Calcolo, 2005, 42, 93-104.	1.1	11
35	A Korovkin type approximation theorem in statistical sense. Studia Scientiarum Mathematicarum Hungarica, 2006, 43, 285-294.	0.1	11
36	A Korovkin type approximation theorems via $$mathcal{I}$$ -convergence. Czechoslovak Mathematical Journal, 2007, 57, 367-375.	0.3	11

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37	Local approximation results for SzÃ¡sz-Mirakjan type operators. Archiv Der Mathematik, 2008, 90, 144-149.	0.5	11
38	Summability on Mellin-type nonlinear integral operators. Integral Transforms and Special Functions, 2019, 30, 492-511.	1.2	11
39	Modified SzÃ¡sz-Mirakjan-Kantorovich Operators Preserving Linear Functions. Turkish Journal of Mathematics, 0, , .	0.7	11
40	Convergence methods on time scales. AIP Conference Proceedings, 2013, , .	0.4	10
41	Oscillation analysis of neutral difference equations with delays. Chaos, Solitons and Fractals, 2009, 39, 261-270.	5.1	9
42	Integral-type generalizations of operators obtained from certain multivariate polynomials. Calcolo, 2008, 45, 53-67.	1.1	8
43	Approximation theorems by Meyer-KÃ¶nig and Zeller type operators. Chaos, Solitons and Fractals, 2009, 41, 451-456.	5.1	8
44	Statistical approximation properties of high order operators constructed with the Chanâ€“Chyanâ€“Srivastava polynomials. Applied Mathematics and Computation, 2011, 218, 1927-1933.	2.2	8
45	Advances in Applied Mathematics and Approximation Theory. Springer Proceedings in Mathematics and Statistics, 2013, , .	0.2	8
46	A summability process on Baskakov-type approximation. Periodica Mathematica Hungarica, 2016, 72, 186-199.	0.9	8
47	STATISTICAL APPROXIMATION FOR PERIODIC FUNCTIONS. Demonstratio Mathematica, 2003, 36, .	1.5	7
48	On integral type generalizations of positive linear operators. Studia Mathematica, 2006, 174, 1-12.	0.7	7
49	STATISTICAL FUZZY CONVERGENCE. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2008, 16, 879-902.	1.9	6
50	Rates of Ideal Convergence for Approximation Operators. Mediterranean Journal of Mathematics, 2010, 7, 111-121.	0.8	6
51	Modified neural network operators and their convergence properties with summability methods. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	1.2	6
52	Approximation in statistical sense to B -continuous functions by positive linear operators. Studia Scientiarum Mathematicarum Hungarica, 2010, 47, 289-298.	0.1	6
53	Complex Shepard Operators and Their Summability. Results in Mathematics, 2021, 76, 1.	0.8	6
54	Statistical <mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	2.7	5

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55	Statistical Korovkin Theory for Multivariate Stochastic Processes. Stochastic Analysis and Applications, 2010, 28, 648-661.	1.5	5
56	Regular summability methods in the approximation by max-min operators. Fuzzy Sets and Systems, 2022, 426, 106-120.	2.7	5
57	Regular matrix transformations and rates of convergence of positive linear operators. Calcolo, 2007, 44, 159-164.	1.1	4
58	A Voronovskaya-type formula for SMK operators via statistical convergence. Mathematica Slovaca, 2011, 61, .	0.6	4
59	APPROXIMATION PROPERTIES OF POISSON INTEGRALS FOR ORTHOGONAL EXPANSIONS. Taiwanese Journal of Mathematics, 2008, 12, .	0.4	4
60	Characterization of Absolute and Uniform Continuity. , 0, , 1-16.	1.0	4
61	Approximation to integrable functions by modified complex Shepard operators. Journal of Mathematical Analysis and Applications, 2022, 512, 126161.	1.0	4
62	Statistical convergence of double-complex Picard integral operators. Applied Mathematics Letters, 2010, 23, 852-858.	2.7	3
63	Approximations by linear operators in spaces of fuzzy continuous functions. Positivity, 2011, 15, 57-72.	0.7	3
64	General Summability Methods in the Approximation by Bernsteinâ€“Chlodovsky Operators. Numerical Functional Analysis and Optimization, 2021, 42, 497-509.	1.4	3
65	Global approximation properties of modified SMK operators. Filomat, 2010, 24, 47-61.	0.5	3
66	A NEW APPROACH IN OBTAINING A BETTER ESTIMATION IN APPROXIMATION BY POSITIVE LINEAR OPERATORS. Communications Faculty of Science University of Ankara Series A1Mathematics and Statistics, 0, , 017-022.	0.5	3
67	Local Approximation Properties of Modified Baskakov Operators. Results in Mathematics, 2011, 59, 1-11.	0.8	2
68	Statistical approximation by double complex Gaussâ€“Weierstrass integral operators. Applied Mathematics Letters, 2011, 24, 438-443.	2.7	2
69	Statistical Approximation by Double Poissonâ€“Cauchy Singular Integral Operators. Results in Mathematics, 2012, 62, 53-65.	0.8	2
70	Ideal Convergence ofk-Positive Linear Operators. Journal of Function Spaces and Applications, 2012, 2012, 1-12.	0.5	2
71	Nonlinear approximation in N-dimension with the help of summability methods. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2021, 115, 1.	1.2	2
72	Global Approximation Results for Modified SzÃ¡sz-Mirakjan Operators. Taiwanese Journal of Mathematics, 2011, 15, .	0.4	2

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73	Approximation properties of real and complex Post-Widder operators based on q-integers. Miskolc Mathematical Notes, 2012, 13, 581.	0.6	2
74	The effects of matrix summability methodson bounds of function sequences. Applied Mathematics Letters, 2004, 17, 1221-1229.	2.7	1
75	Statistical Approximation for Stochastic Processes. Stochastic Analysis and Applications, 2009, 27, 460-474.	1.5	1
76	Statistical approximation to BÃ¶gel-type continuous and periodic functions. Central European Journal of Mathematics, 2009, 7, 539-549.	0.7	1
77	Approximate Fuzzy Continuity of Functions. International Journal of Fuzzy System Applications, 2011, 1, 37-46.	0.7	1
78	Statistical Korovkin-type theory for matrix-valued functions. Studia Scientiarum Mathematicarum Hungarica, 2011, 48, 489-508.	0.1	1
79	Generalization of Statistical Korovkin Theorems. Journal of Applied Mathematics, 2013, 2013, 1-5.	0.9	1
80	Summability Process by Mastroianni Operators and Their Generalizations. Mediterranean Journal of Mathematics, 2015, 12, 21-35.	0.8	1
81	Nonlinear Approximation: q-Bernstein Operators of Max-Product Kind. Advances in Intelligent Systems and Computing, 2016, , 33-56.	0.6	1
82	Singular approximation in polydiscs by summability process. Positivity, 2016, 20, 663-676.	0.7	1
83	Hardy-Type Tauberian Conditions on Time Scales. Mediterranean Journal of Mathematics, 2018, 15, 1.	0.8	1
84	Nonlinear Bernstein-type operators providing a better error estimation. Miskolc Mathematical Notes, 2014, 15, 393.	0.6	1
85	Weighted approximation by Meyer-KÃ¶nig and Zeller type operators. Studia Scientiarum Mathematicarum Hungarica, 2007, 44, 445-467.	0.1	1
86	High Order Statistical Fuzzy Korovkin Theory. Stochastic Analysis and Applications, 2009, 27, 543-554.	1.5	0
87	Generalized Cesaro Summability of Fourier Series and Its Applications. Constructive Mathematical Analysis, 0, , .	0.7	0
88	Summability process by singular operators. Publicationes Mathematicae, 2014, 85, 373-386.	0.2	0
89	Solutions to conjectures on a nonlinear recursive equation. , 2020, 70, 867-880.		0