Ilaria Mantellini

List of Publications by Year
in descending order

48	690	516710 16	642732 23
papers	citations	h-index	g-index

48	48	48	113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Approximation properties in abstract modular spaces for a class of general sampling-type operators. Applicable Analysis, 2006, 85, 383-413.	1.3	37
2	On Mellin convolution operators: a direct approach to the asymptotic formulae. Integral Transforms and Special Functions, 2014, 25, 182-195.	1.2	33
3	The Foundations of Fractional Calculus in the Mellin Transform Setting with Applications. Journal of Fourier Analysis and Applications, 2015, 21, 961-1017.	1.0	32
4	On Convergence Properties for a Class of Kantorovich Discrete Operators. Numerical Functional Analysis and Optimization, 2012, 33, 374-396.	1.4	30
5	The Exponential Sampling Theorem of Signal Analysis and the Reproducing Kernel Formula in the Mellin Transform Setting. Sampling Theory in Signal and Information Processing, 2014, 13, 35-66.	0.2	29
6	Voronovskaya-Type Estimates for Mellin Convolution Operators. Results in Mathematics, 2007, 50, 1-16.	0.8	28
7	A generalization of the exponential sampling series and its approximation properties. Mathematica Slovaca, 2017, 67, 1481-1496.	0.6	27
8	Exponential Sampling Series: Convergence in Mellinâ€“Lebesgue Spaces. Results in Mathematics, 2019, 74, 1.	0.8	26
9	A Korovkin theorem in multivariate modular function spaces. Journal of Function Spaces and Applications, 2009, 7, 105-120.	0.5	25
10	The Mellinâ€“Parseval formula and its interconnections with the exponential sampling theorem of optical physics. Integral Transforms and Special Functions, 2016, 27, 17-29.	1.2	25
11	Asymptotic Formulae for Linear Combinations of Generalized Sampling Operators. Zeitschrift Fur Analysis Und Ihre Anwendung, 2013, 32, 279-298.	0.6	24
12	On the Paleyâ€“Wiener theorem in the Mellin transform setting. Journal of Approximation Theory, 2016, 207, 60-75.	0.8	24
13	A Voronovskaya-Type Theorem for a General Class of Discrete Operators. Rocky Mountain Journal of Mathematics, 2009, 39, .	0.4	22
14	A Quantitative Voronovskaya Formula for Mellin Convolution Operators. Mediterranean Journal of Mathematics, 2010, 7, 483-501.	0.8	22
15	A note on the Voronovskaja theorem for Mellinâ€“Fejer convolution operators. Applied Mathematics Letters, 2011, 24, 2064-2067.	2.7	21
16	Abstract Korovkin-type theorems in modular spaces and applications. Open Mathematics, 2013, 11, .	1.0	21
17	Approximation properties for linear combinations of moment type operators. Computers and Mathematics With Applications, 2011, 62, 2304-2313.	2.7	16
18	Korovkin-Type Theorems for Modular<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>Î·</mml:mi></mml:mrow></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M2"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math>-Statistical Convergence. Journal of Function Spaces, 2015, 2015, 1-11.	0.9	15

#	Article	IF	Citations
19	Asymptotic formulae for multivariate Kantorovich type generalized sampling series. Acta Mathematica Sinica, English Series, 2011, 27, 1247-1258.	0.6	14
20	A fresh approach to the Paleyâ€“Wiener theorem for Mellin transforms and the Mellinâ€“Hardy spaces. Mathematische Nachrichten, 2017, 290, 2759-2774.	0.8	14
21	Approximation results for nonlinear integral operators in modular spaces and applications. Annales Polonici Mathematici, 2003, 81, 55-71.	0.5	14
22	On the Iterates of Mellin-Fejer Convolution Operators. Acta Applicandae Mathematicae, 2012, 121, 213-229.	1.0	13
23	Quantitative Voronovskaja formulae for generalized Durrmeyer sampling type series. Mathematische Nachrichten, 2016, 289, 1702-1720.	0.8	13
24	A generalization of the Paleyâ€“Wiener theorem for Mellin transforms and metric characterization of function spaces. Fractional Calculus and Applied Analysis, 2017, 20, 1216-1238.	2.2	12
25	LINEAR INTEGRAL OPERATORS WITH HOMOGENEOUS KERNEL: APPROXIMATION PROPERTIES IN MODULAR SPACES. APPLICATIONS TO MELLIN-TYPE CONVOLUTION OPERATORS AND TO SOME CLASSES OF FRACTIONAL OPERATORS. , 2000, , 45-67.		12
26	Generalized Sampling Approximation of Bivariate Signals: Rate of Pointwise Convergence. Numerical Functional Analysis and Optimization, 2010, 31, 131-154.	1.4	11
27	On Linear Combinations of Multivariate Generalized Sampling Type Series. Mediterranean Journal of Mathematics, 2013, 10, 1833-1852.	0.8	11
28	On Linear Combinations of General Exponential Sampling Series. Results in Mathematics, 2019, 74, 1.	0.8	10
29	On Voronovskaja formula for linear combinations of Mellinâ€“Gaussâ€“Weierstrass operators. Applied Mathematics and Computation, 2012, 218, 10171-10179.	2.2	9
30	On Pointwise Approximation Properties of Multivariate Semi-discrete Sampling Type Operators. Results in Mathematics, 2017, 72, 1449-1472.	0.8	9
31	On a Durrmeyer-type modification of the Exponential sampling series. Rendiconti Del Circolo Matematico Di Palermo, 2021, 70, 1289-1304.	1.3	9
32	Multivariate moment type operators: approximation properties in Orlicz spaces. Journal of Mathematical Inequalities, 2008, , 247-259.	0.9	9
33	Bivariate Mellin convolution operators: Quantitative approximation theorems. Mathematical and Computer Modelling, 2011, 53, 1197-1207.	2.0	8
34	Development of a new concept of polar analytic functions useful in Mellin analysis. Complex Variables and Elliptic Equations, 2019, 64, 2040-2062.	0.8	8
35	Bivariate Generalized Exponential Sampling Series and Applications to Seismic Waves. Constructive Mathematical Analysis, 2019, 2, 153-167.	0.7	8
36	On the asymptotic behaviour of linear combinations of Mellinâ€Picard type operators. Mathematische Nachrichten, 2013, 286, 1820-1832.	0.8	7

#	Article	IF	Citations
37	Approximation by Durrmeyer Type Exponential Sampling Operators. Numerical Functional Analysis and Optimization, 2022, 43, 16-34.	1.4	7
38	Quadrature formulae for the positive real axis in the setting of Mellin analysis: sharp error estimates in terms of the Mellin distance. Calcolo, 2018, 55, 1.	1.1	6
39	A quantitative asymptotic formula for a general class of discrete operators. Computers and Mathematics With Applications, 2010, 60, 2859-2870.	2.7	5
40	The moments of the bivariate Mellinâ€“Picard-type kernels and applications. Integral Transforms and Special Functions, 2012, 23, 135-148.	1.2	5
41	Integration of polar-analytic functions and applications to Boasâ€™ differentiation formula and Bernsteinâ€™s inequality in Mellin setting. Bolletino Dell Unione Matematica Italiana, 2020, 13, 503-514.	1.0	5
42	Valironâ€™s Interpolation Formula and a Derivative Sampling Formula in the Mellin Setting Acquired via Polar-Analytic Functions. Computational Methods and Function Theory, 2020, 20, 629-652.	1.5	4
43	A Class of Integral Operators that Fix Exponential Functions. Mediterranean Journal of Mathematics, 2021, 18, 1.	0.8	3
44	QUANTITATIVE APPROXIMATION PROPERTIES FOR ITERATES OF MOMENT OPERATOR. Mathematical Modelling and Analysis, 2015, 20, 261-272.	1.5	2
45	Boundedness properties of semi-discrete sampling operators in Mellinâ€“Lebesgue spaces. Mathematical Foundations of Computing, 2022, 5, 219.	1.1	2
46	Polar-Analytic Functions: Old and New Results, Applications. Results in Mathematics, 2022, 77, 1.	0.8	2
47	A survey on recent results in Korovkinâ€™s approximation theory in modular spaces. Constructive Mathematical Analysis, 0, , .	0.7	1
48	Multivariate generalized sampling type series: estimates of pointwise convergence. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 651-652.	0.2	0