Cristinel Mortici

List of Publications by Year
in descending order

95 papers	1,703 citations	218677 26 h-index	315739 38 g-index
95 all docs	95 docs citations	95 times ranked	222 citing authors

#	Article	IF	Citations
1	Some properties of a sequence arising from geometric probability for pairs of hyperplanes intersecting with a convex body. Computational and Applied Mathematics, 2018, 37, 2190-2200.	1.3	4
2	Efficient approximations of the gamma function and further properties. Computational and Applied Mathematics, 2017, 36, 677-691.	1.3	3
3	About Karamata Mean Value Theorem, Some Consequences and Some Stability Results. Results in Mathematics, 2017, 72, 329-342.	0.8	1
4	The natural algorithmic approach of mixed trigonometric-polynomial problems. Journal of Inequalities and Applications, 2017, 2017, 116.	1.1	29
5	Series associated to some expressions involving the volume of the unit ball and applications. Applied Mathematics and Computation, 2017, 294, 121-138.	2.2	3
6	New approximations of some expressions involving trigonometric functions. Applied Mathematics and Computation, 2016, 283, 299-315.	2.2	28
7	Estimates for Wallisâ€™ ratio and related functions. Indian Journal of Pure and Applied Mathematics, 2016, 47, 437-447.	0.5	3
8	The stability of some points arising from continuous, differential and integral expressions. Monatshefte Fur Mathematik, 2016, 180, 101-122.	0.9	4
9	Some new approximations of Glaisherâ€“Kinkelin's and Benderskyâ€“Adamchik's constants by continued fraction. Journal of Number Theory, 2016, 163, 434-448.	0.4	0
10	On Some Mean Value Points Defined by Divided Differences and Their Hyersâ€“Ulam Stability. Results in Mathematics, 2016, 70, 373-384.	0.8	0
11	Refinements of Jordanâ€“SteÄkin and Beckerâ€“Stark Inequalities. Results in Mathematics, 2015, 67, 207-215.	0.8	28
12	Some inequalities for the trigamma function in terms of the digamma function. Applied Mathematics and Computation, 2015, 271, 502-511.	2.2	8
13	On a functional equation of trigonometric type. Applied Mathematics and Computation, 2015, 252, 294-303.	2.2	37
14	Some best approximation formulas and inequalities for the Wallis ratio. Applied Mathematics and Computation, 2015, 253, 363-368.	2.2	22
15	Estimates of the function and quotient by Mincâ€“Sathre. Applied Mathematics and Computation, 2015, 253, 52-60.	2.2	8
16	Asymptotic Formulas and Inequalities for the Gamma Function in Terms of the Tri-Gamma Function. Results in Mathematics, 2015, 67, 395-402.	0.8	8
17	A Very Elementary Proof of Bernoulli's Inequality. College Mathematics Journal, 2015, 46, 136-137.	0.1	2
18	Funny Forms of the Mean Value Theorem. American Mathematical Monthly, 2015, 122, 780.	0.3	0

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19	On the Ramanujanâ€“Lodge harmonic number expansion. Applied Mathematics and Computation, 2015, 251, 423-430.	2.2	17
20	The inhomogeneous Euler equation and its Hyersâ€“Ulam stability. Applied Mathematics Letters, 2015, 40, 23-28.	2.7	10
21	A new fast asymptotic series for the gamma function. Ramanujan Journal, 2015, 38, 549-559.	0.7	26
22	A product approximation of the gamma function. Numerical Algorithms, 2015, 69, 595-610.	1.9	2
23	On the growth rate of divergent series. Journal of Number Theory, 2015, 147, 499-507.	0.4	1
24	Estimates of (1+x)1/x involved in Carlemanâ€™s inequality and Kellerâ€™s limit. Filomat, 2015, 29, 1535-1539.	0.5	5
25	A Lower Bound on the Sinc Function and Its Application. Scientific World Journal, The, 2014, 2014, 1-4.	2.1	2
26	On the Stability of a Functional Equation Associated with the Fibonacci Numbers. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.7	35
27	Mathematical model of solidification process in steel continuous casting taking into account the convective heat transfer at liquidâ€“solid interface. Computational Materials Science, 2014, 94, 2-7.	3.0	10
28	Sharp bounds for gamma function in terms of <mml:math altimg="si1.gif" 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.e. Applied Math	2.2	0
29	Some new quicker approximations of Glaisherâ€“Kinkelin's and Benderskyâ€“Adamchik's constants. Journal of Number Theory, 2014, 144, 340-352.	0.4	7
30	A subtly analysis of Wilker inequality. Applied Mathematics and Computation, 2014, 231, 516-520.	2.2	25
31	Completely monotonic functions and inequalities associated to some ratio of gamma function. Applied Mathematics and Computation, 2014, 240, 168-174.	2.2	14
32	Estimates for the arctangent function related to Shafer's inequality. Colloquium Mathematicum, 2014, 136, 263-270.	0.3	15
33	On the harmonic number expansion by Ramanujan. Journal of Inequalities and Applications, 2013, 2013, .	1.1	16
34	Limits and inequalities associated with the Eulerâ€“Mascheroni constant. Applied Mathematics and Computation, 2013, 219, 9755-9761.	2.2	4
35	A continued fraction approximation of the gamma function. Journal of Mathematical Analysis and Applications, 2013, 402, 405-410.	1.0	74
36	Further improvements of some double inequalities for bounding the gamma function. Mathematical and Computer Modelling, 2013, 57, 1360-1363.	2.0	10

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37	Approximating the constants of Glaisherâ€“Kinkelin type. Journal of Number Theory, 2013, 133, 2465-2469.	0.4	14
38	Gamma function by x xâ^'1. Carpathian Journal of Mathematics, 2013, 29, 41-46.	0.9	1
39	New sharp estimates of the generalized Euler-Mascheroni constant. Mathematical Inequalities and Applications, 2013, , 279-288.	0.2	0
40	A Power Series Approach to Some Inequalities. American Mathematical Monthly, 2012, 119, 147.	0.3	9
41	The best rational remainders in the Stirling formula. Integral Transforms and Special Functions, 2012, 23, 13-19.	1.2	2
42	A converse of a result about the floor function by Hermite. International Journal of Mathematical Education in Science and Technology, 2012, 43, 114-118.	1.4	0
43	Some completely monotonic functions relating to the gamma function. Integral Transforms and Special Functions, 2012, 23, 473-479.	1.2	2
44	New sequence converging towards the Eulerâ€“Mascheroni constant. Computers and Mathematics With Applications, 2012, 64, 391-398.	2.7	46
45	Completely monotone functions and the Wallis ratio. Applied Mathematics Letters, 2012, 25, 717-722.	2.7	12
46	Error estimates of Ramanujan-type series. Ramanujan Journal, 2012, 27, 169-179.	0.7	4
47	Sharpness of Muqattash-Yahdi problem. Computational and Applied Mathematics, 2012, 31, 85-93.	2.2	5
48	Accurate Estimates of the Gamma Function Involving the PSI Function. Numerical Functional Analysis and Optimization, 2011, 32, 469-476.	1.4	6
49	New forms of Stolzâ€“CesarÃ³ lemma. International Journal of Mathematical Education in Science and Technology, 2011, 42, 692-696.	1.4	0
50	A converse of the mean value theorem made easy. International Journal of Mathematical Education in Science and Technology, 2011, 42, 89-91.	1.4	1
51	Sharp bounds of the Landau constants. Mathematics of Computation, 2011, 80, 1011-1011.	2.1	18
52	The quotient of gamma functions by the psi function. Computational and Applied Mathematics, 2011, 30, 627-638.	2.2	3
53	New Sharp Bounds for Gamma and Digamma Functions. Analele Stiintifice Ale Universitatii Al I Cuza Din Iasi - Matematica, 2011, 57, .	0.2	15
54	Refinements of Gurlandâ€™s formula for pi. Computers and Mathematics With Applications, 2011, 62, 2616-2620.	2.7	9

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55	A new Stirling series as continued fraction. Numerical Algorithms, 2011, 56, 17-26.	1.9	64
56	Ramanujanâ€™s estimate for the gamma function via monotonicity arguments. Ramanujan Journal, 2011, 25, 149-154.	0.7	26
57	On Ramanujanâ€™s large argument formula for the Gamma function. Ramanujan Journal, 2011, 26, 185-192.	0.7	28
58	A substantial improvement of the Stirling formula. Applied Mathematics Letters, 2011, 24, 1351-1354.	2.7	9
59	Improved asymptotic formulas for the gamma function. Computers and Mathematics With Applications, 2011, 61, 3364-3369.	2.7	38
60	On the monotonicity and convexity of the remainder of the Stirling formula. Applied Mathematics Letters, 2011, 24, 869-871.	2.7	8
61	Accurate approximations of the Mathieu series. Mathematical and Computer Modelling, 2011, 53, 909-914.	2.0	6
62	On arithmetic functions means. International Journal of Mathematical Education in Science and Technology, 2011, 42, 229-235.	1.4	0
63	Some connections of monotonicity with Weierstrass extreme value theorem. International Journal of Mathematical Education in Science and Technology, 2011, 42, 396-399.	1.4	2
64	Refinements of some bounds related to the constant e. Miskolc Mathematical Notes, 2011, 12, 105.	0.6	3
65	New inequalities for some special functions via the Cauchy-Buniakovsky-Schwarz inequality. Tamkang Journal of Mathematics, 2011, 42, .	0.3	1
66	On Gospers formula for the Gamma function. Journal of Mathematical Inequalities, 2011, , 611-614.	0.9	29
67	New inequalities for some special functions via the Cauchy-Buniakovsky-Schwarz inequality. Tamkang Journal of Mathematics, 2011, 42, 53-57.	0.3	2
68	New improvements of the Stirling formula. Applied Mathematics and Computation, 2010, 217, 699-704.	2.2	48
69	Estimating the digamma and trigamma functions by completely monotonicity arguments. Applied Mathematics and Computation, 2010, 217, 4081-4085.	2.2	7
70	New approximations of the gamma function in terms of the digamma function. Applied Mathematics Letters, 2010, 23, 97-100.	2.7	72
71	A class of integral approximations for the factorial function. Computers and Mathematics With Applications, 2010, 59, 2053-2058.	2.7	34
72	On some Eulerâ€“Mascheroni type sequences. Computers and Mathematics With Applications, 2010, 60, 2009-2014.	2.7	4

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73	Monotonicity properties of the volume of the unit ball in $${mathbb{R}^{n}}$$. Optimization Letters, 2010, 4, 457-464.	1.6	24
74	The proof of Muqattashâ€“Yahdi conjecture. Mathematical and Computer Modelling, 2010, 51, 1154-1159.	2.0	21
75	New approximation formulas for evaluating the ratio of gamma functions. Mathematical and Computer Modelling, 2010, 52, 425-433.	2.0	45
76	Estimating gamma function by digamma function. Mathematical and Computer Modelling, 2010, 52, 942-946.	2.0	9
77	Asymptotic expansions of the generalized Stirling approximations. Mathematical and Computer Modelling, 2010, 52, 1867-1868.	2.0	12
78	Estimating the Somos' quadratic recurrence constant. Journal of Number Theory, 2010, 130, 2650-2657.	0.4	19
79	Improved convergence towards generalized Eulerâ€“Mascheroni constant. Applied Mathematics and Computation, 2010, 215, 3443-3448.	2.2	45
80	Best estimates of the generalized Stirling formula. Applied Mathematics and Computation, 2010, 215, 4044-4048.	2.2	40
81	Ramanujan formula for the generalized Stirling approximation. Applied Mathematics and Computation, 2010, 217, 2579-2585.	2.2	32
82	On new sequences converging towards the Eulerâ€“Mascheroni constant. Computers and Mathematics With Applications, 2010, 59, 2610-2614.	2.7	58
83	The asymptotic series of the generalized Stirling formula. Computers and Mathematics With Applications, 2010, 60, 786-791.	2.7	16
84	Sharp inequalities related to Gosper's formula. Comptes Rendus Mathematique, 2010, 348, 137-140.	0.3	38
85	Fast convergences towards Euler-Mascheroni constant. Computational and Applied Mathematics, 2010, 29, .	2.2	24
86	OPTIMIZING THE RATE OF CONVERGENCE IN SOME NEW CLASSES OF SEQUENCES CONVERGENT TO EULER'S CONSTANT. Analysis and Applications, 2010, 08, 99-107.	2.2	49
87	Very accurate estimates of the polygamma functions. Asymptotic Analysis, 2010, 68, 125-134.	0.5	57
88	Product Approximations via Asymptotic Integration. American Mathematical Monthly, 2010, 117, 434.	0.3	130
89	New sharp inequalities for approximating the factorial function and the digamma function. Miskolc Mathematical Notes, 2010, 11, 79.	0.6	9
90	Sharp inequalities and complete monotonicity for the Wallis ratio. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2010, 17, .	0.2	10

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91	An ultimate extremely accurate formula for approximation of the factorial function. Archiv Der Mathematik, 2009, 93, 37-45.	0.5	61
92	ARITHMETIC MEAN OF VALUES AND VALUE AT MEAN OF ARGUMENTS FOR CONVEX FUNCTIONS. ANZIAM Journal, 2008, 50, 137.	0.2	2
93	The distance between fixed points of some pairs of maps in Banach spaces and applications to differential systems. Czechoslovak Mathematical Journal, 2006, 56, 689-695.	0.3	1
94	Approximation Methods for Solving the Cauchy Problem. Czechoslovak Mathematical Journal, 2005, 55, 709-718.	0.3	4
95	A coincidence degree for bifurcation problems. Nonlinear Analysis: Theory, Methods & Applications, 2003, 53, 715-721.	1.1	8