Ismail Naci Cangul

List of Publications by Year
in descending order

112 papers	779 citations	623574 14 h-index	610775 24 g-index
117 all docs	117 docs citations	117 times ranked	335 citing authors

#	Article	IF	Citations
1	Computing the Merrifield-Simmons indices of benzenoid chains and double benzenoid chains. Journal of Applied Mathematics and Computing, 2022, 68, 3263-3293.	1.2	4
2	Some Inequalities for the First General Zagreb Index of Graphs and Line Graphs. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2021, 91, 79-88.	0.8	2
3	Lucas graphs. Journal of Applied Mathematics and Computing, 2021, 65, 93-106.	1.2	3
4	Effect of edge and vertex addition on Albertson and Bell indices. AIMS Mathematics, 2021, 6, 925-937.	0.7	1
5	On Sombor Index. Symmetry, 2021, 13, 140.	1.1	75
6	Bounds on Co-Independent Liar's Domination in Graphs. Journal of Mathematics, 2021, 2021, 1-6.	0.5	0
7	On L h , k -Labeling Index of Inverse Graphs Associated with Finite Cyclic Groups. Journal of Mathematics, 2021, 2021, 1-7.	0.5	2
8	Omega Index of Line and Total Graphs. Journal of Mathematics, 2021, 2021, 1-6.	0.5	6
9	V L Reciprocal Status Index and Co-Index of Graphs. Journal of Mathematics, 2021, 2021, 1-10.	0.5	6
10	On Omega Index and Average Degree of Graphs. Journal of Mathematics, 2021, 2021, 1-5.	0.5	3
11	Some degree-based topological indices of triphenylene polyester. Indonesian Journal of Combinatorics, 2021, 5, 26.	0.3	0
12	Encrypting and decrypting algorithms using strong face graph of a tree. International Journal of Computer Mathematics: Computer Systems Theory, 2020, 5, 225-233.	0.7	0
13	Fibonacci Graphs. Symmetry, 2020, 12, 1383.	1.1	5
14	Matching number and characteristic polynomial of a graph. Journal of Taibah University for Science, 2020, 14, 993-999.	1.1	0
15	An explicit formula for the harmonic indices and harmonic polynomials of carbon nanocones CNCk[n]. Journal of Information and Optimization Sciences, 2020, 41, 879-890.	0.2	15
16	Independence number of graphs and line graphs of trees by means of omega invariant. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	0.6	2
17	On Solutions of Fractional order Telegraph Partial Differential Equation by Crank-Nicholson Finite Difference Method. Applied Mathematics and Nonlinear Sciences, 2020, 5, 85-98.	0.9	25
18	Transmission and Reciprocal Transmission Based Topological Co-Indices of Graphs. European Journal of Pure and Applied Mathematics, 2020, 13, 1057-1071.	0.1	6

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19	Tribonacci graphs. ITM Web of Conferences, 2020, 34, 01002.	0.4	1
20	Harmonic Index and Zagreb Indices of Vertex-Semitotal Graphs. European Journal of Pure and Applied Mathematics, 2020, 13, 1260-1269.	0.1	0
21	Certain Topological Indices of Some Derived Graphs. Turkish Journal of Analysis and Number Theory, 2020, 8, 75-79.	0.1	0
22	Cut vertex and cut edge problem for topological graph indices. Journal of Taibah University for Science, 2019, 13, 1175-1183.	1.1	2
23	On Wiener index and Wiener polarity index of some polyomino chains. Journal of Discrete Mathematical Sciences and Cryptography, 2019, 22, 1151-1164.	0.5	38
24	Sum-edge characteristic polynomials of graphs. Journal of Taibah University for Science, 2019, 13, 193-200.	1.1	2
25	Extremal Problems on Components and Loops in Graphs. Acta Mathematica Sinica, English Series, 2019, 35, 161-171.	0.2	10
26	The (a,b)-Zagreb index of some derived networks. Journal of Taibah University for Science, 2019, 13, 79-86.	1.1	8
27	Inverse problem for Zagreb indices. Journal of Mathematical Chemistry, 2019, 57, 609-615.	0.7	12
28	Entire Zagreb indices of graphs. Discrete Mathematics, Algorithms and Applications, 2018, 10, 1850037.	0.4	16
29	Narumiâ€"Katayama index of the subdivision graphs. Journal of Taibah University for Science, 2018, 12, 401-408.	1.1	4
30	A New Graph Invariant. Turkish Journal of Analysis and Number Theory, 2018, 6, 30-33.	0.1	16
31	On Average Eccentricity of Graphs. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 23-30.	0.8	6
32	New formulae for Zagreb indices. AIP Conference Proceedings, 2017, , .	0.3	1
33	Symmetric Division Deg Energy of a Graph. Turkish Journal of Analysis and Number Theory, 2017, 5, 202-209.	0.1	6
34	A presentation and some finiteness conditions for a new version of the SchÃ¼tzenberger product of monoids. Turkish Journal of Mathematics, 2016, 40, 224-233.	0.3	2
35	On the first Zagreb index and multiplicative Zagreb coindices of graphs. Analele Stiintifice Ale Universitatii Ovidius Constanta, Seria Matematica, 2016, 24, 153-176.	0.1	21
36	On Commutator and Power Subgroups of Some Coxeter Groups. Applied Mathematics and Information Sciences, 2016, 10, 777-783.	0.7	1

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37	Zagreb polynomials of three graph operators. Filomat, 2016, 30, 1979-1986.	0.2	27
38	On the constant term of the minimal polynomial of cos (2Ï€/n) over Q. Filomat, 2016, 30, 1097-1102.	0.2	2
39	A note on the GrÃ¶bner-Shirshov bases over ad-hoc extensions of groups. Filomat, 2016, 30, 1037-1043.	0.2	2
40	Finite derivation type for graph products of monoids. Filomat, 2016, 30, 1987-1995.	0.2	2
41	Note on â€œOn the Diophantine equationnx2+22m=ynâ€•[Y. Wang, T. Wang, J. Number Theory 131 (8) (2011) 1486â€"1491]. Journal of Number Theory, 2014, 140, 425-426.	0.2	1
42	Some special finite sums related to the three-term polynomial relations and their applications. Advances in Difference Equations, 2014, 2014, .	3.5	5
43	Minimality over free monoid presentations. Hacettepe Journal of Mathematics and Statistics, 2014, 6, .	0.3	0
44	A new monoid construction under crossed products. Journal of Inequalities and Applications, 2013, 2013, .	0.5	8
45	Some properties on the lexicographic product of graphs obtained by monogenic semigroups. Journal of Inequalities and Applications, 2013, 2013, .	0.5	7
46	New bounds for Randic and GA indices. Journal of Inequalities and Applications, 2013, 2013, 180.	0.5	14
47	On the spectral radius of bipartite graphs which are nearly complete. Journal of Inequalities and Applications, 2013, 2013, 121.	0.5	2
48	A new graph based on the semi-direct product of some monoids. Journal of Inequalities and Applications, 2013, 2013, .	0.5	2
49	A note on the (h,q)-zeta-type function with weight Î±. Journal of Inequalities and Applications, 2013, 2013, 100.	0.5	2
50	The multiplicative Zagreb indices of graph operations. Journal of Inequalities and Applications, 2013, 2013, .	0.5	58
51	A new approach to connect algebra with analysis: relationships and applications between presentations and generating functions. Boundary Value Problems, 2013, 2013, .	0.3	2
52	Some fixed-point results on (generalized) Bruck-Reilly âˆ—-extensions of monoids. Fixed Point Theory and Applications, 2013, 2013, .	1.1	1
53	The constant term of the minimal polynomial of cos (2 Ï€ / n) over â„š. Fixed Point Theory and Applications, 2013, 2013, .	1.1	1
54	The graph based on GrÃ¶bner-Shirshov bases of groups. Fixed Point Theory and Applications, 2013, 2013, .	1.1	3

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55	Some array polynomials over special monoid presentations. Fixed Point Theory and Applications, 2013, 2013, .	1.1	1
56	Analysis approach to finite monoids. Fixed Point Theory and Applications, 2013, 2013, .	1.1	4
57	On the diophantine equation x 2 + 2a · 3b · 11c = y n. Mathematica Slovaca, 2013, 63, 647-659.	0.3	8
58	The number of spanning trees of a graph. Journal of Inequalities and Applications, 2013, 2013, .	0.5	4
59	On the Harary index of graph operations. Journal of Inequalities and Applications, 2013, 2013, .	0.5	12
60	Generalized q-Stirling Numbers and Their Interpolation Functions. Axioms, 2013, 2, 10-19.	0.9	3
61	Professor H. M. Srivastava: man and mathematician. Fixed Point Theory and Applications, 2013, 2013, .	1.1	0
62	Professor H. M. Srivastava: man and mathematician. Advances in Difference Equations, 2013, 2013, .	3.5	0
63	Professor H. M. Srivastava: man and mathematician. Boundary Value Problems, 2013, 2013, .	0.3	1
64	Professor H. M. Srivastava: man and mathematician. Journal of Inequalities and Applications, 2013, 2013, .	0.5	0
65	Some formulae for the Zagreb indices of graphs. , 2012, , .		2
66	Deterrmining the minimal polynomial of cos(2π/n) over Q with Maple. , 2012, , .		0
67	Calculation of the minimal polynomial of 2cos(π/n) over Q with Maple. , 2012, , .		1
68	A unified presentation of certain meromorphic functions related to the families of the partial zeta type functions and the L-functions. Applied Mathematics and Computation, 2012, 219, 3903-3913.	1.4	11
69	The minimal polynomial of 2 cos(π/q) and Dickson polynomials. Applied Mathematics and Computation, 2012, 218, 7014-7022.	1.4	6
70	Some Properties of the Minimal Polynomials of 2cos(π∕q) for odd q. , 2011, , .		0
71	Classification of Normal Subgroups of Hecke Group H6 in Terms of Parabolic Class Number. , 2011, , .		0
72	Properties of n-th Degree Bernstein Polynomials. , 2011, , .		0

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73	Upper Bounds for the Level of Normal Subgroups of Hecke Groups. , 2011, , .		0
74	The Minimal Polynomials of 2cos(Ï€â€•2k) over the Rationals. , 2011, , .		0
75	Some Special Cases of the Minimal Polynomial of 2cos(Ï€â€•q) over Q. , 2011, , .		0
76	A note on the modified q-Bernstein polynomials for functions of several variables and their reflections on q-Volkenborn integration. Applied Mathematics and Computation, 2011, 218, 707-707.	1.4	8
77	Solving some parametric quadratic Diophantine equation over and. Applied Mathematics and Computation, 2011, 218, 703-706.	1.4	4
78	The next step of the word problem over monoids. Applied Mathematics and Computation, 2011, 218, 794-798.	1.4	1
79	On the Zagreb indices of the line graphs of the subdivision graphs. Applied Mathematics and Computation, 2011, 218, 699-702.	1.4	60
80	Professor H.M. Srivastava: Man and Mathematician. Applied Mathematics and Computation, 2011, 218, 655-657.	1.4	0
81	Normal Subgroups of Hecke Groups H(Î»). Algebras and Representation Theory, 2010, 13, 219-230.	0.4	8
82	Generalization for Estrada Index. AIP Conference Proceedings, 2010, , .	0.3	2
83	On the Norms of Toeplitz and Hankel Matrices with Pell Numbers. , 2010, , .		0
84	On the Efficiency of Semi-Direct Products of Finite Cyclic Monoids by One-Relator Monoids. , 2010, , .		0
85	Primes in Z[exp(2Ï€iâ€•3)]. , 2010, , .		0
86	Determination of Genus of Normal Subgroups of Discrete Groups. , 2010, , .		0
87	A Note on Interpolation Functions of the Frobenious-Euler Numbers. , 2010, , .		0
88	Indefinite Quadratic Forms and their Neighbours. , 2010, , .		0
89	A New Example of Deficiency One Groups. , 2010, , .		0
90	On the diophantine equation $x^{2}+5^{a}\cdot 11^{b}=y^{n}$. Functiones Et Approximatio, Commentarii Mathematici, 2010, 43, .	0.1	4

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91	Hurwitz Type Multiple Genocchi Zeta Function. , 2009, , .		1
92	Applications of Hecke Operator to Generalized Dedekind Eta Functions. , 2009, , .		0
93	A p-adic Look at the Diophantine Equation x[sup 2]+11[sup 2k]â€‰=â€‰y[sup n]. , 2009, , .		1
94	Principal congruence subgroups of the Hecke groups and related results. Bulletin of the Brazilian Mathematical Society, 2009, 40, 479-494.	0.3	4
95	A new approach to q-Genocchi numbers and their interpolation functions. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e793-e799.	0.6	24
96	On the behavior of two variable twisted -adic Euler -functions. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e942-e951.	0.6	9
97	The group structure of Bachet elliptic curves over finite fields F_p. Miskolc Mathematical Notes, 2009, 10, 129.	0.3	0
98	Generating functions of the (h, q) extension of twisted Euler polynomials and numbers. Acta Mathematica Hungarica, 2008, 120, 281-299.	0.3	17
99	Remarks on Sum of Products of (h,q)-Twisted Euler Polynomials and Numbers. Journal of Inequalities and Applications, 2008, 2008, 1-8.	0.5	17
100	q-Genocchi Numbers and Polynomials Associated with q-Genocchi-Type l-Functions. Advances in Difference Equations, 2008, 2008, 1-13.	3.5	19
101	Multivariate Interpolation Functions of Higher-Orderq-Euler Numbers and Their Applications. Abstract and Applied Analysis, 2008, 2008, 1-16.	0.3	37
102	An invariant p-adic q-integral associated with q-Euler numbers and polynomials. Journal of Nonlinear Mathematical Physics, 2007, 14, 8.	0.8	12
103	Rational Points on Elliptic Curves $y^{2}=x^{3}+a^{3}$ in ${\f F}_p$ where $p\equiv 1\pmod6$ is Prime. Rocky Mountain Journal of Mathematics, 2007, 37, .	0.2	2
104	CORRIGENDUM ON "THE NUMBER OF POINTS ON ELLIPTIC CURVES E:y[sup 2]=x[sup 3]+cx OVER ?[sub p]MOD 8". Communications of the Korean Mathematical Society, 2007, 22, 207-208.	0.2	4
105	Commutator Subgroups of the Extended Hecke Groups $$\bar H(lambda _q)$$. Czechoslovak Mathematical Journal, 2004, 54, 253-259.	0.3	14
106	Power subgroups of Hecke groupsH(n). International Journal of Mathematics and Mathematical Sciences, 2001, 25, 703-708.	0.3	2
107	Normal subgroups of Hecke groups and regular maps. Mathematical Proceedings of the Cambridge Philosophical Society, 1998, 123, 59-74.	0.3	33
108	On r-dynamic chromatic number of some brick product graphs C(2n,1,p). Asian-European Journal of Mathematics, 0, , 2250102.	0.2	0

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109	Some notes on Randiƈ index. Boletim Da Sociedade Paranaense De Matematica, 0, 40, 1-7.	0.4	0
110	The spectral polynomials of two joining graphs: splices and links. Boletim Da Sociedade Paranaense De Matematica, 0, 40, 1-12.	0.4	0
111	A new method for the sum-edge characteristic polynomials of graphs. Boletim Da Sociedade Paranaense De Matematica, 0, 40, 1-8.	0.4	0
112	On α-Split Domination in Graphs. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 0, , .	0.8	0