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	On Sombor Index. Symmetry, 2021, 13, 140.	1.1	75
2	On the Zagreb indices of the line graphs of the subdivision graphs. Applied Mathematics and Computation, 2011, 218, 699-702.	1.4	60
3	The multiplicative Zagreb indices of graph operations. Journal of Inequalities and Applications, 2013, 2013, .	0.5	58
4	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
5	Multivariate Interpolation Functions of Higher-Order q-Euler Numbers and Their Applications. Abstract and Applied Analysis, 2008, 2008, 1-16.	0.3	37
6	Normal subgroups of Hecke groups and regular maps. Mathematical Proceedings of the Cambridge Philosophical Society, 1998, 123, 59-74.	0.3	33
7	Zagreb polynomials of three graph operators. Filomat, 2016, 30, 1979-1986.	0.2	27
8	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
9	A new approach to q-Genocchi numbers and their interpolation functions. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e793-e799.	0.6	24
10	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
11	q-Genocchi Numbers and Polynomials Associated with q-Genocchi-Type l-Functions. Advances in Difference Equations, 2008, 2008, 1-13.	3.5	19
12	Generating functions of the (h, q) extension of twisted Euler polynomials and numbers. Acta Mathematica Hungarica, 2008, 120, 281-299.	0.3	17
13	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
14	Entire Zagreb indices of graphs. Discrete Mathematics, Algorithms and Applications, 2018, 10, 1850037.	0.4	16
15	A New Graph Invariant. Turkish Journal of Analysis and Number Theory, 2018, 6, 30-33.	0.1	16
16	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
17	Commutator Subgroups of the Extended Hecke Groups $$\bar H(lambda _q)$$. Czechoslovak Mathematical Journal, 2004, 54, 253-259.	0.3	14
18	New bounds for Randic and GA indices. Journal of Inequalities and Applications, 2013, 2013, 180.	0.5	14

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19	An invariant p-adic q-integral associated with q-Euler numbers and polynomials. Journal of Nonlinear Mathematical Physics, 2007, 14, 8.	0.8	12
20	On the Harary index of graph operations. Journal of Inequalities and Applications, 2013, 2013, .	0.5	12
21	Inverse problem for Zagreb indices. Journal of Mathematical Chemistry, 2019, 57, 609-615.	0.7	12
22	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
23	Extremal Problems on Components and Loops in Graphs. Acta Mathematica Sinica, English Series, 2019, 35, 161-171.	0.2	10
24	On the behavior of two variable twisted -adic Euler -functions. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e942-e951.	0.6	9
25	Normal Subgroups of Hecke Groups H(Î»). Algebras and Representation Theory, 2010, 13, 219-230.	0.4	8
26	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
27	A new monoid construction under crossed products. Journal of Inequalities and Applications, 2013, 2013, .	0.5	8
28	On the diophantine equation $x^2 + 2a \cdot 3b \cdot 11c = y^n$. Mathematica Slovaca, 2013, 63, 647-659.	0.3	8
29	The (a,b)-Zagreb index of some derived networks. Journal of Taibah University for Science, 2019, 13, 79-86.	1.1	8
30	Some properties on the lexicographic product of graphs obtained by monogenic semigroups. Journal of Inequalities and Applications, 2013, 2013, .	0.5	7
31	The minimal polynomial of 2 cos(Î€/q) and Dickson polynomials. Applied Mathematics and Computation, 2012, 218, 7014-7022.	1.4	6
32	On Average Eccentricity of Graphs. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 23-30.	0.8	6
33	Omega Index of Line and Total Graphs. Journal of Mathematics, 2021, 2021, 1-6.	0.5	6
34	Symmetric Division Deg Energy of a Graph. Turkish Journal of Analysis and Number Theory, 2017, 5, 202-209.	0.1	6
35	Transmission and Reciprocal Transmission Based Topological Co-Indices of Graphs. European Journal of Pure and Applied Mathematics, 2020, 13, 1057-1071.	0.1	6
36	V L Reciprocal Status Index and Co-Index of Graphs. Journal of Mathematics, 2021, 2021, 1-10.	0.5	6

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37	Some special finite sums related to the three-term polynomial relations and their applications. Advances in Difference Equations, 2014, 2014, .	3.5	5
38	Fibonacci Graphs. Symmetry, 2020, 12, 1383.	1.1	5
39	Principal congruence subgroups of the Hecke groups and related results. Bulletin of the Brazilian Mathematical Society, 2009, 40, 479-494.	0.3	4
40	Solving some parametric quadratic Diophantine equation over and. Applied Mathematics and Computation, 2011, 218, 703-706.	1.4	4
41	Analysis approach to finite monoids. Fixed Point Theory and Applications, 2013, 2013, .	1.1	4
42	The number of spanning trees of a graph. Journal of Inequalities and Applications, 2013, 2013, .	0.5	4
43	Narumiâ€"Katayama index of the subdivision graphs. Journal of Taibah University for Science, 2018, 12, 401-408.	1.1	4
44	On the diophantine equation $x^{2}+5^{a}\cdot 11^{b}=y^{n}$. Functiones Et Approximatio, Commentarii Mathematici, 2010, 43, .	0.1	4
45	CORRIGENDUM ON "THE NUMBER OF POINTS ON ELLIPTIC CURVES E:$y^{2}=x^{3}+cx$ OVER ?$_{p}$MOD 8". Communications of the Korean Mathematical Society, 2007, 22, 207-208.	0.2	4
46	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
47	The graph based on GrÃ¶bner-Shirshov bases of groups. Fixed Point Theory and Applications, 2013, 2013, .	1.1	3
48	Generalized q-Stirling Numbers and Their Interpolation Functions. Axioms, 2013, 2, 10-19.	0.9	3
49	Lucas graphs. Journal of Applied Mathematics and Computing, 2021, 65, 93-106.	1.2	3
50	On Omega Index and Average Degree of Graphs. Journal of Mathematics, 2021, 2021, 1-5.	0.5	3
51	Power subgroups of Hecke groupsH(n). International Journal of Mathematics and Mathematical Sciences, 2001, 25, 703-708.	0.3	2
52	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
53	Generalization for Estrada Index. AIP Conference Proceedings, 2010, , .	0.3	2
54	Some formulae for the Zagreb indices of graphs. , 2012, , .		2

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55	On the spectral radius of bipartite graphs which are nearly complete. Journal of Inequalities and Applications, 2013, 2013, 121.	0.5	2
56	A new graph based on the semi-direct product of some monoids. Journal of Inequalities and Applications, 2013, 2013, .	0.5	2
57	A note on the (h,q)-zeta-type function with weight Î±. Journal of Inequalities and Applications, 2013, 2013, 100.	0.5	2
58	A new approach to connect algebra with analysis: relationships and applications between presentations and generating functions. Boundary Value Problems, 2013, 2013, .	0.3	2
59	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
60	Cut vertex and cut edge problem for topological graph indices. Journal of Taibah University for Science, 2019, 13, 1175-1183.	1.1	2
61	Sum-edge characteristic polynomials of graphs. Journal of Taibah University for Science, 2019, 13, 193-200.	1.1	2
62	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
63	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
64	On L h , k -Labeling Index of Inverse Graphs Associated with Finite Cyclic Groups. Journal of Mathematics, 2021, 2021, 1-7.	0.5	2
65	On the constant term of the minimal polynomial of cos (2Ï€/n) over Q. Filomat, 2016, 30, 1097-1102.	0.2	2
66	A note on the GrÃ¶bner-Shirshov bases over ad-hoc extensions of groups. Filomat, 2016, 30, 1037-1043.	0.2	2
67	Finite derivation type for graph products of monoids. Filomat, 2016, 30, 1987-1995.	0.2	2
68	Hurwitz Type Multiple Genocchi Zeta Function. , 2009, , .		1
69	A p-adic Look at the Diophantine Equation x[sup 2]+11[sup 2k]â€°=â€°y[sup n]. , 2009, , .		1
70	The next step of the word problem over monoids. Applied Mathematics and Computation, 2011, 218, 794-798.	1.4	1
71	Calculation of the minimal polynomial of 2cos(Ï€/n) over Q with Maple. , 2012, , .		1
72	Some fixed-point results on (generalized) Bruck-Reilly âˆ—-extensions of monoids. Fixed Point Theory and Applications, 2013, 2013, .	1.1	1

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73	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
74	Some array polynomials over special monoid presentations. Fixed Point Theory and Applications, 2013, 2013, .	1.1	1
75	Professor H. M. Srivastava: man and mathematician. Boundary Value Problems, 2013, 2013, .	0.3	1
76	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
77	New formulae for Zagreb indices. AIP Conference Proceedings, 2017, , .	0.3	1
78	Effect of edge and vertex addition on Albertson and Bell indices. AIMS Mathematics, 2021, 6, 925-937.	0.7	1
79	On Commutator and Power Subgroups of Some Coxeter Groups. Applied Mathematics and Information Sciences, 2016, 10, 777-783.	0.7	1
80	Tribonacci graphs. ITM Web of Conferences, 2020, 34, 01002.	0.4	1
81	Applications of Hecke Operator to Generalized Dedekind Eta Functions. , 2009, , .		0
82	On the Norms of Toeplitz and Hankel Matrices with Pell Numbers. , 2010, , .		0
83	On the Efficiency of Semi-Direct Products of Finite Cyclic Monoids by One-Relator Monoids. , 2010, , .		0
84	Primes in Z[exp(2Ï€iâˆ•3)]. , 2010, , .		0
85	Determination of Genus of Normal Subgroups of Discrete Groups. , 2010, , .		0
86	A Note on Interpolation Functions of the Frobenious-Euler Numbers. , 2010, , .		0
87	Indefinite Quadratic Forms and their Neighbours. , 2010, , .		0
88	A New Example of Deficiency One Groups. , 2010, , .		0
89	Some Properties of the Minimal Polynomials of 2cos(Ï€âˆ•q) for odd q. , 2011, , .		0
90	Classification of Normal Subgroups of Hecke Group H6 in Terms of Parabolic Class Number. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
91	Properties of n-th Degree Bernstein Polynomials. , 2011, , .		0
92	Upper Bounds for the Level of Normal Subgroups of Hecke Groups. , 2011, , .		0
93	The Minimal Polynomials of 2cos(Ï€â•2k) over the Rationals. , 2011, , .		0
94	Some Special Cases of the Minimal Polynomial of 2cos(Ï€â•q) over Q. , 2011, , .		0
95	Professor H.M. Srivastava: Man and Mathematician. Applied Mathematics and Computation, 2011, 218, 655-657.	1.4	0
96	Determining the minimal polynomial of cos(2Ï€/n) over Q with Maple. , 2012, , .		0
97	Professor H. M. Srivastava: man and mathematician. Fixed Point Theory and Applications, 2013, 2013, .	1.1	0
98	Professor H. M. Srivastava: man and mathematician. Advances in Difference Equations, 2013, 2013, .	3.5	0
99	Professor H. M. Srivastava: man and mathematician. Journal of Inequalities and Applications, 2013, 2013, .	0.5	0
100	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
101	Matching number and characteristic polynomial of a graph. Journal of Taibah University for Science, 2020, 14, 993-999.	1.1	0
102	Bounds on Co-Independent Liarâ€™s Domination in Graphs. Journal of Mathematics, 2021, 2021, 1-6.	0.5	0
103	On r-dynamic chromatic number of some brick product graphs C(2n,1,p). Asian-European Journal of Mathematics, 0, , 2250102.	0.2	0
104	The group structure of Bachet elliptic curves over finite fields F_p. Miskolc Mathematical Notes, 2009, 10, 129.	0.3	0
105	Minimality over free monoid presentations. Hacettepe Journal of Mathematics and Statistics, 2014, 6, .	0.3	0
106	Harmonic Index and Zagreb Indices of Vertex-Semitotal Graphs. European Journal of Pure and Applied Mathematics, 2020, 13, 1260-1269.	0.1	0
107	Certain Topological Indices of Some Derived Graphs. Turkish Journal of Analysis and Number Theory, 2020, 8, 75-79.	0.1	0
108	Some degree-based topological indices of triphenylene polyester. Indonesian Journal of Combinatorics, 2021, 5, 26.	0.3	0

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109	Some notes on Randiâ´c 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