

# Anita Pal

## List of Publications by Year in descending order

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52  
papers

747  
citations

623734

14  
h-index

580821

25  
g-index

53  
all docs

53  
docs citations

53  
times ranked

360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Indices of Some Chemical Structures Applied for the Treatment of COVID-19 Patients. Polycyclic Aromatic Compounds, 2022, 42, 1220-1234.	2.6	64
2	A truthful budget feasible mechanism for IoT-based participatory sensing with incremental arrival of budget. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 1107-1124.	4.9	2
3	On some topological indices and their importance in chemical sciences: a comparative study. European Physical Journal Plus, 2022, 137, 1.	2.6	11
4	On Some Neighbourhood Degree-Based Multiplicative Topological Indices and Their Applications. Polycyclic Aromatic Compounds, 2022, 42, 7738-7753.	2.6	4
5	On neighborhood Zagreb index of product graphs. Journal of Molecular Structure, 2021, 1223, 129210.	3.6	43
6	A note on different types of product of neutrosophic graphs. Complex & Intelligent Systems, 2021, 7, 857-871.	6.5	4
7	Neighborhood degree sum-based molecular descriptors of fractal and Cayley tree dendrimers. European Physical Journal Plus, 2021, 136, 303.	2.6	18
8	Design of Quantum Cost and Delay Optimized Code Converter Using New Reversible Quantum Circuit Block (QCB). Micro and Nanosystems, 2021, 13, 119-123.	0.6	1
9	Design and Development of 4-Bit Gray Code Counter Circuit Using Reversible Logic Gate. Micro and Nanosystems, 2021, 13, 124-127.	0.6	0
10	Single document text summarization technique using optimal combination of cuckoo search algorithm, sentence scoring and sentiment score. International Journal of Information Technology (Singapore), 2021, 13, 1805-1813.	2.7	6
11	QSPR analysis of some novel neighbourhood degree-based topological descriptors. Complex & Intelligent Systems, 2021, 7, 977-996.	6.5	78
12	Fuzzy minimum spanning tree with interval type 2 fuzzy arc length: formulation and a new genetic algorithm. Soft Computing, 2020, 24, 3963-3974.	3.6	32
13	Design of Reversible Shift Register Using Reduced Number of Logic Gates. Micro and Nanosystems, 2020, 12, 33-37.	0.6	5
14	The Quantum Cost Optimized Design of 2:4 Decoder Using the New Reversible Logic Block. Micro and Nanosystems, 2020, 12, 146-148.	0.6	6
15	The (a,b)-Zagreb index of line graphs of subdivision graphs of some molecular structures. International Journal of Mathematics for Industry, 2020, 12, .	0.8	7
16	Zagreb Indices of Double Join and Double Corona of Graphs Based on the Total Graph. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	2
17	A study of m-polar neutrosophic graph with applications. Journal of Intelligent and Fuzzy Systems, 2020, 38, 4809-4828.	1.4	14
18	On Bipolar Fuzzy Gradation of Openness. Mathematics, 2020, 8, 510.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Molecular descriptors of some chemicals that prevent COVID-19. <i>Current Organic Synthesis</i> , 2020, 17, 729-741.	1.3	6
20	Multiplicative degree based topological indices of some chemical structures in drug. <i>Proyecciones</i> , 2020, 39, 1347-1364.	0.3	5
21	The Quantum Cost, Garbage Outputs and Constant Input Optimized Implementation of 2:4 Decoder Using Peres Gate. , 2019, , .		3
22	Algorithmic implementation of signed product and total signed product cordial labeling on complex graph. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 2435-2442.	1.4	2
23	New Concepts of Picture Fuzzy Graphs with Application. <i>Mathematics</i> , 2019, 7, 470.	2.2	59
24	Topological properties of Graphene using some novel neighborhood degree-based topological indices. <i>International Journal of Mathematics for Industry</i> , 2019, 11, .	0.8	31
25	On Some New Neighborhood Degree-Based Indices for Some Oxide and Silicate Networks. <i>J</i> , 2019, 2, 384-409.	0.9	7
26	The $(a,b)$ -Zagreb index of some derived networks. <i>Journal of Taibah University for Science</i> , 2019, 13, 79-86.	2.5	8
27	Onsome New Neighbourhood Degree Based Indices. <i>Acta Chemica Iasi</i> , 2019, 27, 31-46.	0.1	45
28	Design of Quantum Cost, Garbage Output and Delay Optimized BCD to Excess-3 and 2's Complement Code Converter. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850184.	1.5	15
29	A Novel Multi-criteria Decision Making Approach Using Trapezoidal Intuitionistic Fuzzy Number. , 2018, , .		0
30	Quantum Cost Optimized Design of Reversible 2's Complement Code Converter. , 2018, , .		3
31	Design of BCD to Excess-3 code converter circuit with optimized quantum cost, garbage output and constant input using reversible gate. <i>International Journal of Quantum Information</i> , 2018, 16, 1850061.	1.1	7
32	Nodes in fuzzy block with application. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 4785-4793.	1.4	0
33	The Generalized Zagreb Index of Some Carbon Structures. <i>Acta Chemica Iasi</i> , 2018, 26, 91-104.	0.1	12
34	Design of Reversible Combinational Circuits Using New Reversible Logic Gate. <i>Journal of Engineering Science and Technology Review</i> , 2018, 11, 170-172.	0.4	4
35	$L(0,1)$ -Labelling of Trapezoid Graphs. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 599-610.	1.6	1
36	Scheduling Algorithm to Select Optimal Programme Slots in Television Channels: A Graph Theoretic Approach. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 1931-1950.	1.6	0

#	ARTICLE	IF	CITATIONS
37	Hierarchical modulation based spectrum sharing in an overlay cognitive radio network. , 2017, , .		0
38	F-Index of some graph operations. Discrete Mathematics, Algorithms and Applications, 2016, 08, 1650025.	0.6	41
39	A linear time algorithm to compute square of interval graphs and their colouring. AKCE International Journal of Graphs and Combinatorics, 2016, 13, 54-64.	0.7	3
40	An efficient algorithm to solve the distance $k$ -domination problem on permutation graphs. Journal of Discrete Mathematical Sciences and Cryptography, 2016, 19, 241-255.	0.8	4
41	The F-coindex of some graph operations. SpringerPlus, 2016, 5, 221.	1.2	65
42	The Irregularity of Some Composite Graphs. International Journal of Applied and Computational Mathematics, 2016, 2, 411-420.	1.6	12
43	Reformulated First Zagreb Index of Some Graph Operations. Mathematics, 2015, 3, 945-960.	2.2	13
44	$L(0,1)$ -labelling of Permutation Graphs. Mathematical Modelling and Algorithms, 2015, 14, 469-479.	0.5	7
45	$L(2,1)$ -labeling of interval graphs. Journal of Applied Mathematics and Computing, 2015, 49, 419-432.	2.5	20
46	Total Eccentricity Index of the Generalized Hierarchical Product of Graphs. International Journal of Applied and Computational Mathematics, 2015, 1, 503-511.	1.6	23
47	$L(2, 1)$ -Labeling of Permutation and Bipartite Permutation Graphs. Mathematics in Computer Science, 2015, 9, 113-123.	0.4	17
48	Modified Eccentric Connectivity of Generalized Thorn Graphs. International Journal of Computational Mathematics, 2014, 2014, 1-8.	0.8	13
49	On Some Bounds and Exact Formulae for Connective Eccentric Indices of Graphs under Some Graph Operations. International Journal of Combinatorics, 2014, 2014, 1-5.	0.2	10
50	The Conditional Covering Problem on Unweighted Interval Graphs with Nonuniform Coverage Radius. Mathematics in Computer Science, 2012, 6, 33-41.	0.4	6
51	An Efficient Algorithm to Solve the Conditional Covering Problem on Trapezoid Graphs. , 2011, 2011, 1-10.		0
52	Some operations on Dombi neutrosophic graph. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	6