

# Anita Pal

## List of Publications by Year in descending order

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Version: 2024-02-01

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	QSPR analysis of some novel neighbourhood degree-based topological descriptors. <i>Complex &amp; Intelligent Systems</i> , 2021, 7, 977-996.	6.5	78
2	The F-coindex of some graph operations. <i>SpringerPlus</i> , 2016, 5, 221.	1.2	65
3	Topological Indices of Some Chemical Structures Applied for the Treatment of COVID-19 Patients. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1220-1234.	2.6	64
4	New Concepts of Picture Fuzzy Graphs with Application. <i>Mathematics</i> , 2019, 7, 470.	2.2	59
5	Onsome New Neighbourhood Degree Based Indices. <i>Acta Chemica Iasi</i> , 2019, 27, 31-46.	0.1	45
6	On neighborhood Zagreb index of product graphs. <i>Journal of Molecular Structure</i> , 2021, 1223, 129210.	3.6	43
7	F-Index of some graph operations. <i>Discrete Mathematics, Algorithms and Applications</i> , 2016, 08, 1650025.	0.6	41
8	Fuzzy minimum spanning tree with interval type 2 fuzzy arc length: formulation and a new genetic algorithm. <i>Soft Computing</i> , 2020, 24, 3963-3974.	3.6	32
9	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
10	Total Eccentricity Index of the Generalized Hierarchical Product of Graphs. <i>International Journal of Applied and Computational Mathematics</i> , 2015, 1, 503-511.	1.6	23
11	L(2,1)-labeling of interval graphs. <i>Journal of Applied Mathematics and Computing</i> , 2015, 49, 419-432.	2.5	20
12	Neighborhood degree sum-based molecular descriptors of fractal and Cayley tree dendrimers. <i>European Physical Journal Plus</i> , 2021, 136, 303.	2.6	18
13	L(2, 1)-Labeling of Permutation and Bipartite Permutation Graphs. <i>Mathematics in Computer Science</i> , 2015, 9, 113-123.	0.4	17
14	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
15	A study of m-polar neutrosophic graph with applications. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 4809-4828.	1.4	14
16	Modified Eccentric Connectivity of Generalized Thorn Graphs. <i>International Journal of Computational Mathematics</i> , 2014, 2014, 1-8.	0.8	13
17	Reformulated First Zagreb Index of Some Graph Operations. <i>Mathematics</i> , 2015, 3, 945-960.	2.2	13
18	The Irregularity of Some Composite Graphs. <i>International Journal of Applied and Computational Mathematics</i> , 2016, 2, 411-420.	1.6	12

#	ARTICLE	IF	CITATIONS
19	The Generalized Zagreb Index of Some Carbon Structures. Acta Chemica Iasi, 2018, 26, 91-104.	0.1	12
20	On some topological indices and their importance in chemical sciences: a comparative study. European Physical Journal Plus, 2022, 137, 1.	2.6	11
21	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
22	The $(a,b)$ -Zagreb index of some derived networks. Journal of Taibah University for Science, 2019, 13, 79-86.	2.5	8
23	L(0,1)-labelling of Permutation Graphs. Mathematical Modelling and Algorithms, 2015, 14, 469-479.	0.5	7
24	Design of BCD to Excess-3 code converter circuit with optimized quantum cost, garbage output and constant input using reversible gate. International Journal of Quantum Information, 2018, 16, 1850061.	1.1	7
25	On Some New Neighborhood Degree-Based Indices for Some Oxide and Silicate Networks. J, 2019, 2, 384-409.	0.9	7
26	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
27	The Conditional Covering Problem on Unweighted Interval Graphs with Nonuniform Coverage Radius. Mathematics in Computer Science, 2012, 6, 33-41.	0.4	6
28	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
29	Some operations on Dombi neutrosophic graph. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	6
30	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
31	Molecular descriptors of some chemicals that prevent COVID-19. Current Organic Synthesis, 2020, 17, 729-741.	1.3	6
32	Design of Reversible Shift Register Using Reduced Number of Logic Gates. Micro and Nanosystems, 2020, 12, 33-37.	0.6	5
33	Multiplicative degree based topological indices of some chemical structures in drug. Proyecciones, 2020, 39, 1347-1364.	0.3	5
34	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
35	A note on different types of product of neutrosophic graphs. Complex & Intelligent Systems, 2021, 7, 857-871.	6.5	4
36	Design of Reversible Combinational Circuits Using New Reversible Logic Gate. Journal of Engineering Science and Technology Review, 2018, 11, 170-172.	0.4	4

#	ARTICLE	IF	CITATIONS
37	On Some Neighbourhood Degree-Based Multiplicative Topological Indices and Their Applications. Polycyclic Aromatic Compounds, 2022, 42, 7738-7753.	2.6	4
38	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
39	Quantum Cost Optimized Design of Reversible 2's Complement Code Converter. , 2018, , .		3
40	The Quantum Cost, Garbage Outputs and Constant Input Optimized Implementation of 2:4 Decoder Using Peres Gate. , 2019, , .		3
41	Algorithmic implementation of signed product and total signed product cordial labeling on complex graph. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2435-2442.	1.4	2
42	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
43	On Bipolar Fuzzy Gradation of Openness. Mathematics, 2020, 8, 510.	2.2	2
44	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
45	$L(0, \hat{A}1)$ -Labelling of Trapezoid Graphs. International Journal of Applied and Computational Mathematics, 2017, 3, 599-610.	1.6	1
46	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
47	Scheduling Algorithm to Select Optimal Programme Slots in Television Channels: A Graph Theoretic Approach. International Journal of Applied and Computational Mathematics, 2017, 3, 1931-1950.	1.6	0
48	Hierarchical modulation based spectrum sharing in an overlay cognitive radio network. , 2017, , .		0
49	A Novel Multi-criteria Decision Making Approach Using Trapezoidal Intuitionistic Fuzzy Number. , 2018, , .		0
50	Nodes in fuzzy block with application. Journal of Intelligent and Fuzzy Systems, 2018, 35, 4785-4793.	1.4	0
51	Design and Development of 4-Bit Gray Code Counter Circuit Using Reversible Logic Gate. Micro and Nanosystems, 2021, 13, 124-127.	0.6	0
52	An Efficient Algorithm to Solve the Conditional Covering Problem on Trapezoid Graphs. , 2011, 2011, 1-10.		0