Nenad TrinajstiÄ

List of Publications by Year
in descending order

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53 papers	3,426 citations	218592 26 h-index	175177 52 g-index
57 all docs	57 docs citations	57 times ranked	1708 citing authors

#	Article	IF	Citations
1	Relation Between the Harary Index and Related Topological Indices. SpringerBriefs in Applied Sciences and Technology, 2015, , 27-34.	0.2	0
2	Some Properties and Applications of Harary Index. SpringerBriefs in Applied Sciences and Technology, 2015, , 35-54.	0.2	0
3	Comparison between the Wiener index and the Zagreb indices and the eccentric connectivity index for trees. Discrete Applied Mathematics, 2014, 171, 35-41.	0.5	15
4	On the general sum-connectivity index of trees. Applied Mathematics Letters, 2011, 24, 402-405.	1.5	51
5	On the sum-connectivity index. Filomat, 2011, 25, 29-42.	0.2	22
6	Some properties of the reformulated Zagreb indices. Journal of Mathematical Chemistry, 2010, 48, 714-719.	0.7	33
7	On general sum-connectivity index. Journal of Mathematical Chemistry, 2010, 47, 210-218.	0.7	274
8	Minimum sum-connectivity indices of trees and unicyclic graphs of a given matching number. Journal of Mathematical Chemistry, 2010, 47, 842-855.	0.7	41
9	Sum-connectivity index of molecular trees. Journal of Mathematical Chemistry, 2010, 48, 583-591.	0.7	40
10	Minimum general sum-connectivity index of unicyclic graphs. Journal of Mathematical Chemistry, 2010, 48, 697-703.	0.7	50
11	Bond dissociation enthalpies calculated by the PM3 method confirm activity cliffs in radical scavenging of flavonoids. Molecular Diversity, 2009, 13, 27-36.	2.1	15
12	On the path-Zagreb matrix. Journal of Mathematical Chemistry, 2009, 45, 538-543.	0.7	7
13	On a novel connectivity index. Journal of Mathematical Chemistry, 2009, 46, 1252-1270.	0.7	275
14	On reciprocal molecular topological index. Journal of Mathematical Chemistry, 2008, 44, 235-243.	0.7	10
15	On Harary index. Journal of Mathematical Chemistry, 2008, 44, 611-618.	0.7	47
16	Maximum eigenvalues of the reciprocal distance matrix and the reverse Wiener matrix. International Journal of Quantum Chemistry, 2008, 108, 858-864.	1.0	25
17	Antioxidant QSAR Modeling as Exemplified on Polyphenols. Methods in Molecular Biology, 2008, 477, 207-218.	0.4	4
18	SAR and QSAR of the Antioxidant Activity of Flavonoids. Current Medicinal Chemistry, 2007, 14, 827-845.	1.2	350

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19	On Use of the Variable Zagreb vM2 Index in QSPR: Boiling Points of Benzenoid Hydrocarbons. Molecules, 2004, 9, 1208-1221.	1.7	27
20	On reformulated Zagreb indices. Molecular Diversity, 2004, 8, 393-399.	2.1	143
21	Random Walks and Chemical Graph Theory. Journal of Chemical Information and Computer Sciences, 2004, 44, 1521-1525.	2.8	38
22	Distance-Related Indexes in the Quantitative Structureâ˜Property Relationship Modelingâ€. Journal of Chemical Information and Computer Sciences, 2001, 41, 527-535.	2.8	43
23	QSPR Modeling:â€‰ Graph Connectivity Indices versus Line Graph Connectivity Indices. Journal of Chemical Information and Computer Sciences, 2000, 40, 927-933.	2.8	23
24	Complexity of Molecules. Journal of Chemical Information and Computer Sciences, 2000, 40, 920-926.	2.8	31
25	Prediction of pKValues, Half-Lives, and Electronic Spectra of Flavylium Salts from Molecular Structure. Journal of Chemical Information and Computer Sciences, 1999, 39, 967-973.	2.8	13
26	The Vertex-Connectivity Index Revisited. Journal of Chemical Information and Computer Sciences, 1998, 38, 819-822.	2.8	205
27	Comparison between the Vertex- and Edge-Connectivity Indices for Benzenoid Hydrocarbons. Journal of Chemical Information and Computer Sciences, 1998, 38, 42-46.	2.8	38
28	The Detour Matrix in Chemistryâ€. Journal of Chemical Information and Computer Sciences, 1997, 37, 631-638.	2.8	37
29	The Use of the Ordered Orthogonalized Multivariate Linear Regression in a Structureâ˜Activity Study of Coumarin and Flavonoid Derivatives as Inhibitors of Aldose Reductase. Journal of Chemical Information and Computer Sciences, 1997, 37, 581-586.	2.8	19
30	On the Relation between the Pâ€˜/P Index and the Wiener Number. Journal of Chemical Information and Computer Sciences, 1996, 36, 1123-1126.	2.8	10
31	Secondary structure prediction quality for naturally occurring amino acids in soluble proteins. Computational and Theoretical Chemistry, 1995, 338, 43-50.	1.5	1
32	Calculation of Retention Times of Anthocyanins with Orthogonalized Topological Indices. Journal of Chemical Information and Computer Sciences, 1995, 35, 136-139.	2.8	25
33	Structure-Activity Correlation of Flavone Derivatives for Inhibition of cAMP Phosphodiesterase. Journal of Chemical Information and Computer Sciences, 1995, 35, 1034-1038.	2.8	24
34	Toxic Effects and a Structure-Property Study of Organic Explosives, Propellants, and Related Compounds. Drug Metabolism Reviews, 1994, 26, 717-738.	1.5	12
35	On the Harary index for the characterization of chemical graphs. Journal of Mathematical Chemistry, 1993, 12, 235-250.	0.7	315
36	Molecular topological index: An extension to heterosystems. Journal of Mathematical Chemistry, 1993, 12, 251-264.	0.7	22

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37	Viewpoint 4 â€" Comparative structure-property studies: the connectivity basis. Computational and Theoretical Chemistry, 1993, 284, 209-221.	1.5	35
38	In search for graph invariants of chemical interes. Journal of Molecular Structure, 1993, 300, 551-571.	1.8	49
39	Experimental and theoretical study of the styrylbenzopyrylium chromophore. Journal of the Chemical Society Perkin Transactions II, 1992, , 1933-1938.	0.9	11
40	A graph-theoretical approach to structure-property relationships. Journal of Chemical Education, 1992, 69, 701.	1.1	201
41	On the z-counting polynomial for edge-weighted graphs. Journal of Mathematical Chemistry, 1992, 9, 381-387.	0.7	7
42	The conjugated-circuit model. Computers & Chemistry, 1990, 14, 313-322.	1.2	30
43	Aromaticity in polycyclic conjugated hydrocarbon dianions. Computational and Theoretical Chemistry, 1989, 185, 249-274.	1.5	19
44	The conjugated-circuit model: application to benzenoid hydrocarbons. Journal of Molecular Structure, 1989, 198, 223-237.	1.8	39
45	The characteristic polynomial of a chemical graph. Journal of Mathematical Chemistry, 1988, 2, 197-215.	0.7	37
46	On the aromatic stabilities of thiophene analogues of helicenes. Computational and Theoretical Chemistry, 1988, 181, 111-140.	1.5	11
47	Molecular topology in excited states. Computational and Theoretical Chemistry, 1986, 136, 155-164.	1.5	1
48	On the Relative Stabilities of Conjugated Heterocycles Containing Divalent Sulfur. Sulfur Reports, 1986, 6, 379-426.	0.6	9
49	On some solved and unsolved problems of chemical graph theory. International Journal of Quantum Chemistry, 1986, 30, 699-742.	1.0	42
50	On irreducible endospectral graphs. Journal of Mathematical Physics, 1986, 27, 2601-2612.	0.5	24
51	Fibonacci graphs possessing identical matching polynomials. Journal of Mathematical Physics, 1985, 26, 2396-2398.	0.5	3
52	Graph theory and molecular orbitals. 19. Nonparametric resonance energies of arbitrary conjugated systems. Journal of the American Chemical Society, 1977, 99, 1692-1704.	6.6	503
53	Ground states of conjugated molecules. XX. SCF MO treatment of compounds containing bivalent sulfur. Journal of the American Chemical Society, 1970, 92, 1453-1459.	6.6	109