Ivan Gutman

List of Publications by Year
in descending order

498 papers	15,304 citations	31976 53 h-index	38395 95 g-index
511 all docs	511 docs citations	511 times ranked	2914 citing authors

#	Article	IF	Citations
1	On Sombor index of trees. Applied Mathematics and Computation, 2022, 412, 126575.	2.2	21
2	A relation between a vertex-degree-based topological index and its energy. Linear Algebra and Its Applications, 2022, 636, 134-142.	0.9	11
3	Estimating vertex-degree-based energies. Military Technical Courier, 2022, 70, 13-23.	0.7	1
4	Comparing Energy and Sombor Energy - An Empirical Study. Match, 2022, 88, 133-140.	1.7	6
5	Sombor index: review of extremal results and bounds. Journal of Mathematical Chemistry, 2022, 60, 771-798.	1.5	30
6	Hosoya index of VDB-weighted graphs. Discrete Applied Mathematics, 2022, 317, 18-25.	0.9	1
7	Some basic properties of Sombor indices. Open Journal of Discrete Applied Mathematics, 2021, 4, 1-3.	1.1	46
8	Spectrum and energy of the Sombor matrix. Military Technical Courier, 2021, 69, 551-561.	0.7	15
9	On graphs preserving PI index upon edge removal. Journal of Mathematical Chemistry, 2021, 59, 1603-1609.	1.5	1
10	Relation between geometric–arithmetic and arithmetic–geometric indices. Journal of Mathematical Chemistry, 2021, 59, 1520.	1.5	6
11	Sombor index of chemical graphs. Applied Mathematics and Computation, 2021, 399, 126018.	2.2	56
12	TOPOLOGICAL INDICES – WHY AND HOW. , 2021, , .		0
13	Spectral radius and energy of Sombor matrix of graphs. Filomat, 2021, 35, 5093-5100.	0.5	0
14	Beyond the Zagreb indices. AKCE International Journal of Graphs and Combinatorics, 2020, 17, 74-85.	0.7	63
15	Two Stability Criteria for Benzenoid Hydrocarbons and Their Relation. Croatica Chemica Acta, 2020, 92, 473-475.	0.4	0
16	Cycle energy and its size dependence. Discrete Applied Mathematics, 2020, 284, 534-537.	0.9	1
17	Lower Bounds for Inverse Sum Indeg Index of Graphs. Kragujevac Journal of Mathematics, 2020, 44, 551-562.	0.6	8
18	New bounds for Laplacian energy. Military Technical Courier, 2020, 68, 1-7.	0.7	0

#	Article	IF	Citations
19	Two Laplacian energies and the relations between them. Military Technical Courier, 2020, 68, 207-215.	0.7	0
20	Some Less Familiar Properties of RandiÄ‡ Index. Croatica Chemica Acta, 2020, 93, .	0.4	1
21	Relating graph energy with vertex-degree-based energies. Military Technical Courier, 2020, 68, 715-725.	0.7	2
22	Graph irregularity and its measures. Applied Mathematics and Computation, 2019, 357, 317-324.	2.2	10
23	Some new lower bounds for augmented Zagreb index. Journal of Applied Mathematics and Computing, 2019, 61, 405-415.	2.5	3
24	Linear and non-linear inequalities on the inverse sum indeg index. Discrete Applied Mathematics, 2019, 258, 123-134.	0.9	12
25	Inverse problem for Zagreb indices. Journal of Mathematical Chemistry, 2019, 57, 609-615.	1.5	12
26	Total domination and open packing in some chemical graphs. Journal of Mathematical Chemistry, 2018, 56, 1481-1492.	1.5	45
27	Hyper-Wiener and Wiener polarity indices of silicate and oxide frameworks. Journal of Mathematical Chemistry, 2018, 56, 1493-1510.	1.5	17
28	Stepwise irregular graphs. Applied Mathematics and Computation, 2018, 325, 234-238.	2.2	16
29	A Comparative Study of the Two Isomers of Bicalicene. Polycyclic Aromatic Compounds, 2018, 38, 25-31.	2.6	0
30	RandiÄ‡ index and information. AKCE International Journal of Graphs and Combinatorics, 2018, 15, 307-312.	0.7	59
31	Inverse problem on the Steiner Wiener index. Discussiones Mathematicae - Graph Theory, 2018, 38, 83.	0.3	17
32	Comparative analysis of symmetric division deg index as potentially useful molecular descriptor. International Journal of Quantum Chemistry, 2018, 118, e25659.	2.0	34
33	Degree-based energies of graphs. Linear Algebra and Its Applications, 2018, 554, 185-204.	0.9	40
34	On Laplacian energy, Laplacian-energy-like invariant and Kirchhoff index of graphs. Linear Algebra and Its Applications, 2018, 554, 170-184.	0.9	2
35	Graphs with maximal If irregularity. Discrete Applied Mathematics, 2018, 250, 57-64.	0.9	22
36	Further results on the largest matching root of unicyclic graphs. Discrete Applied Mathematics, 2017, 221, 82-88.	0.9	8

#	Article	IF	Citations
37	Extended energy and its dependence on molecular structure. Canadian Journal of Chemistry, 2017, 95, 526-529.	1.1	15
38	On coindices of graphs and their complements. Applied Mathematics and Computation, 2017, 305, 161-165.	2.2	5
39	Strain in strain-free benzenoid hydrocarbons: the case of fibonacenes. Chemical Papers, 2017, 71, 1491-1495.	2.2	0
40	General sum-connectivity index, general product-connectivity index, general Zagreb index and coindices of line graph of subdivision graphs. AKCE International Journal of Graphs and Combinatorics, 2017, 14, 92-100.	0.7	22
41	Connectivity, diameter, independence number and the distance spectral radius of graphs. Linear Algebra and Its Applications, 2017, 529, 30-50.	0.9	5
42	Protein Sequence Comparison Based on Physicochemical Properties and the Position-Feature Energy Matrix. Scientific Reports, 2017, 7, 46237.	3.3	31
43	Nordhausâ€"Gaddum-type results for the Steiner Wiener index of graphs. Discrete Applied Mathematics, 2017, 219, 167-175.	0.9	15
44	Cacti with n-vertices and t cycles having extremal Wiener index. Discrete Applied Mathematics, 2017, 232, 189-200.	0.9	27
45	Generalizations of SzÅ'kefalvi Nagy and Chebyshev inequalities with applications in spectral graph theory. Applied Mathematics and Computation, 2017, 313, 235-244.	2.2	5
46	On the maximum ABC index of graphs without pendent vertices. Applied Mathematics and Computation, 2017, 315, 298-312.	2.2	92
47	Extending the McClelland formula for total $$pi $$ Ï€ -electron energy. Journal of Mathematical Chemistry, 2017, 55, 1934-1940.	1.5	3
48	On spectral radius and energy of extended adjacency matrix of graphs. Applied Mathematics and Computation, 2017, 296, 116-123.	2.2	18
49	Relations between degrees, conjugate degrees and graph energies. Linear Algebra and Its Applications, 2017, 515, 24-37.	0.9	2
50	Inverse degree, Randic index and harmonic index of graphs. Applicable Analysis and Discrete Mathematics, 2017, 11, 304-313.	0.7	10
51	The Steiner Wiener index of a graph. Discussiones Mathematicae - Graph Theory, 2016, 36, 455.	0.3	34
52	Total Ï€-electron and HOMO energy. Chemical Physics Letters, 2016, 649, 148-150.	2.6	4
53	A kernel-based clustering method for gene selection with gene expression data. Journal of Biomedical Informatics, 2016, 62, 12-20.	4.3	55
54	Paradise Lostâ€"Ï€-Electron Conjugation in Homologs and Derivatives of Perylene. Challenges and Advances in Computational Chemistry and Physics, 2016, , 297-320.	0.6	4

#	Article	IF	Citations
55	On some degree-and-distance-based graph invariants of trees. Applied Mathematics and Computation, 2016, 289, 1-6.	2.2	8
56	Total <i>π</i>-Electron Energy of Conjugated Molecules with Non-bonding Molecular Orbitals. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 161-164.	1.5	3
57	On Wiener and multiplicative Wiener indices of graphs. Discrete Applied Mathematics, 2016, 206, 9-14.	0.9	21
58	Upper bounds for some graph energies. Applied Mathematics and Computation, 2016, 289, 435-443.	2.2	15
59	Graphs with maximum Laplacian and signless Laplacian Estrada index. Discrete Mathematics, 2016, 339, 2664-2671.	0.7	12
60	On energy of line graphs. Linear Algebra and Its Applications, 2016, 499, 79-89.	0.9	11
61	More on borderenergetic graphs. Linear Algebra and Its Applications, 2016, 497, 199-208.	0.9	7
62	On ordering of complements of graphs with respect to matching numbers. Applied Mathematics and Computation, 2016, 282, 167-174.	2.2	1
63	On Steiner degree distance of trees. Applied Mathematics and Computation, 2016, 283, 163-167.	2.2	14
64	On energy and Laplacian energy of bipartite graphs. Applied Mathematics and Computation, 2016, 273, 759-766.	2.2	16
65	On atom-bond connectivity molecule structure descriptors. Journal of the Serbian Chemical Society, 2016, 81, 271-276.	0.8	2
66	Constructing NSSD Molecular Graphs. Croatica Chemica Acta, 2016, 89, .	0.4	3
67	Reciprocal product-degree distance of graphs. Filomat, 2016, 30, 2217-2231.	0.5	2
68	Which tree has the smallest <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si120.gif" display="inline" overflow="scroll"><mml:mi>A</mml:mi><mml:mi>B</mml:mi><mml:mi>C</mml:mi></mml:math> index among trees with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si154.gif" display="inline" overflow="scroll"><mml:mi>k</mml:mi></mml:math> leaves?. Discrete Applied Mathematics, 2015, 194, 143-146.	0.9	10
69	A forgotten topological index. Journal of Mathematical Chemistry, 2015, 53, 1184-1190.	1.5	500
70	A combined technique for computation of energy-effect of cycles in conjugated molecules. Journal of Mathematical Chemistry, 2015, 53, 1113-1125.	1.5	15
71	Strain in strain-free benzenoid hydrocarbons: The case of phenanthrene. Chemical Physics Letters, 2015, 625, 69-72.	2.6	4
72	On Laplacian energy in terms of graph invariants. Applied Mathematics and Computation, 2015, 268, 83-92.	2.2	17

#	Article	IF	Citations
73	Upper bound on RandiÄ‡ energy of some graphs. Linear Algebra and Its Applications, 2015, 478, 241-255.	0.9	2
74	Novel inequalities for generalized graph entropies â€" Graph energies and topological indices. Applied Mathematics and Computation, 2015, 259, 470-479.	2.2	27
75	The degree resistance distance of cacti. Discrete Applied Mathematics, 2015, 188, 16-24.	0.9	14
76	Relations between distanceâ€"based and degreeâ€"based topological indices. Applied Mathematics and Computation, 2015, 270, 142-147.	2.2	22
77	Bounds for Laplacian-type graph energies. Miskolc Mathematical Notes, 2015, 16, 195.	0.6	2
78	A congruence relation for Wiener and Szeged indices. Filomat, 2015, 29, 1081-1083.	0.5	6
79	On Kirchhoff and degree Kirchhoff indices. Filomat, 2015, 29, 1869-1877.	0.5	5
80	Multicenter Wiener indices and their applications. Journal of the Serbian Chemical Society, 2015, 80, 1009-1017.	0.8	23
81	On spectral radius and energy of complete multipartite graphs. Ars Mathematica Contemporanea, 2015, 9, 109-113.	0.6	25
82	Seidel energy of iterated line graphs of regular graphs. Kragujevac Journal of Mathematics, 2015, 39, 7-12.	0.6	10
83	Laplacian energy of union and Cartesian product and Laplacian equienergetic graphs. Kragujevac Journal of Mathematics, 2015, 39, 193-205.	0.6	3
84	Zagreb indices of transformation graphs and total transformation graphs. Applied Mathematics and Computation, 2014, 247, 1156-1160.	2.2	45
85	Frank model with limited resources. Journal of Mathematical Chemistry, 2014, 52, 2330-2333.	1.5	2
86	Relating the ABC and harmonic indices. Journal of the Serbian Chemical Society, 2014, 79, 557-563.	0.8	5
87	Topological properties of altan-benzenoid hydrocarbons. Journal of the Serbian Chemical Society, 2014, 79, 1515-1521.	0.8	11
88	Wiener index of Eulerian graphs. Discrete Applied Mathematics, 2014, 162, 247-250.	0.9	25
89	On incidence energy of graphs. Linear Algebra and Its Applications, 2014, 446, 329-344.	0.9	14
90	A decreasing sequence of upper bounds for the Laplacian energy of a tree. Linear Algebra and Its Applications, 2014, 446, 304-313.	0.9	4

#	Article	IF	Citations
91	Towards a definition of almostâ€"equienergetic graphs. Journal of Mathematical Chemistry, 2014, 52, 213-221.	1.5	2
92	A case of breakdown of the Pauling bond order concept. Chemical Physics Letters, 2014, 614, 104-109.	2.6	4
93	Ky Fan theorem applied to RandiÄ‡ energy. Linear Algebra and Its Applications, 2014, 459, 23-42.	0.9	5
94	On difference of Zagreb indices. Discrete Applied Mathematics, 2014, 178, 83-88.	0.9	82
95	On RandiÄ‡ energy. Linear Algebra and Its Applications, 2014, 442, 50-57.	0.9	64
96	On the Laplacian-energy-like invariant. Linear Algebra and Its Applications, 2014, 442, 58-68.	0.9	12
97	Degree-based topological indices: Optimal trees with given number of pendents. Applied Mathematics and Computation, 2014, 240, 387-398.	2.2	13
98	Metric-Extremal Graphs. Discrete Mathematics and Its Applications, 2014, , 111-139.	0.1	1
99	A graph theoretical approach to cis/trans isomerism. Journal of the Serbian Chemical Society, 2014, 79, 805-813.	0.8	2
100	Topological indices of Kragujevac trees. Proyecciones, 2014, 33, 471-482.	0.3	4
101	Vertex-degree-based topological indices of catacondensed hexagonal systems. Chemical Physics Letters, 2013, 572, 154-157.	2.6	11
102	Why plerograms are not used in chemical graph theory? The case of terminal-Wiener index. Chemical Physics Letters, 2013, 568-569, 195-197.	2.6	3
103	The energy of directed hexagonal systems. Linear Algebra and Its Applications, 2013, 439, 1825-1833.	0.9	7
104	On structure-sensitivity of degree-based topological indices. Applied Mathematics and Computation, 2013, 219, 8973-8978.	2.2	121
105	On benzenoid systems with minimal number of inlets. Journal of the Serbian Chemical Society, 2013, 78, 1351-1357.	0.8	4
106	A test of Clar aromatic sextet theory. Journal of the Serbian Chemical Society, 2013, 78, 1539-1546.	0.8	8
107	Degree-Based Topological Indices. Croatica Chemica Acta, 2013, 86, 351-361.	0.4	452
108	Estimating the total Ï€-electron energy. Journal of the Serbian Chemical Society, 2013, 78, 1925-1933.	0.8	7

#	Article	IF	Citations
109	Harary index of the k-th power of a graph. Applicable Analysis and Discrete Mathematics, 2013, 7, 94-105.	0.7	6
110	Testing the quality of molecular structure descriptors. Vertex-degree-based topological indices. Journal of the Serbian Chemical Society, 2013, 78, 805-810.	0.8	101
111	Comparing energy and Randic energy. Macedonian Journal of Chemistry and Chemical Engineering, 2013, 32, 117.	0.6	5
112	The ABC index conundrum. Filomat, 2013, 27, 1075-1083.	0.5	37
113	Bound for vertex PI index in terms of simple graph parameters. Filomat, 2013, 27, 1583-1587.	0.5	6
114	Vertex-degree-based molecular structure descriptors of benzenoid systems and phenylenes. Journal of the Serbian Chemical Society, 2012, 77, 1031-1036.	0.8	12
115	Cyclic conjugation in benzo- and benzocyclobutadieno-annelated terrylenes and higher rylenes. Journal of the Serbian Chemical Society, 2012, 77, 751-759.	0.8	0
116	Verifying the modes of cyclic conjugation in tetrabenzo[bc,ef,op,rs]circumanthracene. Journal of the Serbian Chemical Society, 2012, 77, 1401-1408.	0.8	2
117	Limitations of Pauling Bond Order Concept. Polycyclic Aromatic Compounds, 2012, 32, 36-47.	2.6	3
118	Bounds for the Energy of Graphs. , 2012, , 59-81.		0
119	The Energy of Random Graphs. , 2012, , 83-98.		3
120	Predicting the Classification of Transcription Factors by Incorporating their Binding Site Properties into a Novel Mode of Chou's Pseudo Amino Acid Composition. Protein and Peptide Letters, 2012, 19, 1170-1176.	0.9	22
121	Anomalous cyclic conjugation in the perylene/bisanthrene homologous series. Monatshefte Für Chemie, 2012, 143, 1649-1653.	1.8	10
122	On induced current density in the perylene/bisanthrene homologous series. Chemical Physics Letters, 2012, 552, 151-155.	2.6	12
123	Predicting Nucleosome Positions in Yeast: Using the Absolute Frequency. Journal of Biomolecular Structure and Dynamics, 2012, 29, 1081-1088.	3.5	5
124	Some properties of the Narumi–Katayama index. Applied Mathematics Letters, 2012, 25, 1435-1438.	2.7	22
125	The matching energy of a graph. Discrete Applied Mathematics, 2012, 160, 2177-2187.	0.9	59
126	Estimating the Laplacian Energy-Like Molecular Structure Descriptor. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 403-406.	1.5	15

#	Article	IF	Citations
127	Computer search for trees with minimal ABC index. Applied Mathematics and Computation, 2012, 219, 767-772.	2.2	25
128	Comparative Study of Aromaticity in Tetraoxa[8]circulenes. Journal of Physical Chemistry A, 2012, 116, 9421-9430.	2.5	46
129	q-Wiener index of some compound trees. Applied Mathematics and Computation, 2012, 218, 9528-9535.	2.2	4
130	Bounds for all graph energies. Chemical Physics Letters, 2012, 528, 72-74.	2.6	17
131	On the Zagreb indices equality. Discrete Applied Mathematics, 2012, 160, 1-8.	0.9	5
132	Comparison between Kirchhoff index and the Laplacian-energy-like invariant. Linear Algebra and Its Applications, 2012, 436, 3661-3671.	0.9	33
133	Graph Energy. , 2012, , .		203
134	The Chemical Connection. , 2012, , 11-17.		4
135	Hyperenergetic and Equienergetic Graphs. , 2012, , 193-201.		5
136	On atom-bond connectivity index. Filomat, 2012, 26, 733-738.	0.5	35
137	Common Proof Methods. , 2012, , 25-57.		0
138	Hypoenergetic and Strongly Hypoenergetic Graphs. , 2012, , 203-230.		0
139	The Coulson Integral Formula. , 2012, , 19-23.		0
140	Other Graph Energies. , 2012, , 235-240.		0
141	Graphs Extremal with Regard to Energy. , 2012, , 99-192.		0
142	First and second extremal bipartite graphs with respect to PI index. Mathematical and Computer Modelling, 2011, 54, 2460-2463.	2.0	0
143	On atom-bond connectivity index. Chemical Physics Letters, 2011, 511, 452-454.	2.6	83
144	On the first geometric–arithmetic index of graphs. Discrete Applied Mathematics, 2011, 159, 2030-2037.	0.9	37

#	Article	IF	Citations
145	DFT study on singlet diradical character of zethrenes. Russian Journal of Physical Chemistry A, 2011, 85, 2368-2372.	0.6	10
146	Triplet fluoranthenes: Aromaticity versus unpaired electrons. Journal of Molecular Modeling, 2011, 17, 805-810.	1.8	23
147	Effect of benzo-annelation on cyclic conjugation. Monatshefte Für Chemie, 2011, 142, 53-57.	1.8	12
148	Local aromaticity in benzo- and benzocyclobutadieno-annelated anthracenes. Monatshefte Für Chemie, 2011, 142, 797-800.	1.8	9
149	On a class of distance-based molecular structure descriptors. Chemical Physics Letters, 2011, 503, 336-338.	2.6	83
150	Graphenes â€" Aromatic giants. Resonance, 2011, 16, 1238-1245.	0.3	0
151	Relation between second and third geometricâ€"arithmetic indices of trees. Journal of Chemometrics, 2011, 25, 87-91.	1.3	39
152	Bounds for the signless Laplacian energy. Linear Algebra and Its Applications, 2011, 435, 2365-2374.	0.9	59
153	The energy change of weighted graphs. Linear Algebra and Its Applications, 2011, 435, 2425-2431.	0.9	32
154	A generalization of Fiedler's lemma and some applications. Linear and Multilinear Algebra, 2011, 59, 929-942.	1.0	4
155	Local Aromaticity in Benzo- and Benzocyclobutadieno-Annelated Phenanthrenes. Polycyclic Aromatic Compounds, 2011, 31, 339-349.	2.6	6
156	Upper bound for the energy of strongly connected digraphs. Applicable Analysis and Discrete Mathematics, 2011, 5, 37-45.	0.7	18
157	A simple mathematical model for the effect of benzoannelation on cyclic conjugation. Journal of the Serbian Chemical Society, 2011, 76, 1505-1511.	0.8	1
158	Effect of benzocyclobutadieno-annelation on cyclic conjugation in fluoranthene congeners. Journal of the Serbian Chemical Society, 2011, 76, 733-741.	0.8	6
159	Kekulé Structures in Fluoranthenes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 473-476.	1.5	13
160	Hydrogen-mediated Stone-Wales isomerization of dicyclopenta[de,mn]anthracene. Journal of Molecular Modeling, 2010, 16, 1519-1527.	1.8	4
161	A fully benzenoid system has a unique maximum cardinality resonant set. Acta Applicandae Mathematicae, 2010, 112, 15-19.	1.0	4
162	Maxima and Minima of the Hosoya Index andÂtheÂMerrifield-Simmons Index. Acta Applicandae Mathematicae, 2010, 112, 323-346.	1.0	94

#	Article	IF	Citations
163	Pairwise energy effect of cyclic conjugation in benzo-annelated perylenes. Monatshefte FÃ¼r Chemie, 2010, 141, 401-407.	1.8	14
164	A new geometricâ€"arithmetic index. Journal of Mathematical Chemistry, 2010, 47, 477-486.	1.5	41
165	Theory of the PCP effect and related phenomena. Journal of Mathematical Chemistry, 2010, 47, 1303-1312.	1.5	15
166	Energy of a polynomial and the Coulson integral formula. Journal of Mathematical Chemistry, 2010, 48, 1062-1068.	1.5	31
167	Applications of a theorem by Ky Fan in the theory of graph energy. Linear Algebra and Its Applications, 2010, 432, 2163-2169.	0.9	52
168	Special Issue in honor of Dragos Cvetkoviâ§¹â€™c. Linear Algebra and Its Applications, 2010, 432, 2727.	0.9	0
169	Energy of line graphs. Linear Algebra and Its Applications, 2010, 433, 1312-1323.	0.9	49
170	Lower bounds for Estrada index and Laplacian Estrada index. Applied Mathematics Letters, 2010, 23, 739-742.	2.7	28
171	Estimating the higher-order RandiÄ‡ index. Chemical Physics Letters, 2010, 489, 118-120.	2.6	7
172	Estimating the Vertex PI Index. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 240-244.	1.5	4
173	Diradical character of some fluoranthenes. Journal of the Serbian Chemical Society, 2010, 75, 1241-1249.	0.8	19
174	On the number of KekulÃ© structures of fluoranthene congeners. Journal of the Serbian Chemical Society, 2010, 75, 1093-1098.	0.8	5
175	Correlations between Local Aromaticity Indices of Bipartite Conjugated Hydrocarbons. Journal of Physical Chemistry A, 2010, 114, 5870-5877.	2.5	26
176	A Case of Breakdown of the KekulÃ©â€"Structure Model. Polycyclic Aromatic Compounds, 2010, 30, 240-246.	2.6	16
177	Cyclic conjugation in benzo-annelated triphenylenes. Journal of the Serbian Chemical Society, 2010, 75, 943-950.	0.8	4
178	Effect of a ring on the cyclic conjugation in another ring: Applications to acenaphthylene-type polycyclic conjugated molecules. Journal of the Serbian Chemical Society, 2010, 75, 83-90.	0.8	4
179	More on the Laplacian Estrada index. Applicable Analysis and Discrete Mathematics, 2009, 3, 371-378.	0.7	28
180	On Ï€-electron conjugation in the five-membered ring of fluoranthene-type benzenoid hydrocarbons. Journal of the Serbian Chemical Society, 2009, 74, 765-771.	0.8	18

#	Article	IF	Citations
181	Stability order of isomeric benzenoid hydrocarbons and KekulÃ© structure count. Journal of the Serbian Chemical Society, 2009, 74, 155-158.	0.8	3
182	Formation and isomerization of dicyclopenta[de,mn]anthracene. Electronic Structure Study. Journal of Molecular Modeling, 2009, 15, 953-958.	1.8	3
183	Thermal isomerization in cyclopenta[fg]aceanthrylene. Monatshefte FÃ¼r Chemie, 2009, 140, 153-156.	1.8	3
184	Testing the PCP-rule. Monatshefte FÃ¼r Chemie, 2009, 140, 1305-1309.	1.8	15
185	On two types of geometricâ€"arithmetic index. Chemical Physics Letters, 2009, 482, 153-155.	2.6	26
186	On the degree distance of a graph. Discrete Applied Mathematics, 2009, 157, 2773-2777.	0.9	51
187	Maximum energy trees with two maximum degree vertices. Journal of Mathematical Chemistry, 2009, 45, 962-973.	1.5	18
188	New upper bounds on Zagreb indices. Journal of Mathematical Chemistry, 2009, 46, 514-521.	1.5	52
189	Terminal Wiener index. Journal of Mathematical Chemistry, 2009, 46, 522-531.	1.5	50
190	On incidence energy of a graph. Linear Algebra and Its Applications, 2009, 431, 1223-1233.	0.9	69
191	Estimating the Szeged index. Applied Mathematics Letters, 2009, 22, 1680-1684.	2.7	16
192	Quantitative study of the PCP effect. Chemical Physics Letters, 2009, 475, 289-292.	2.6	18
193	The edge-Wiener index of a graph. Discrete Mathematics, 2009, 309, 3452-3457.	0.7	55
194	CYCLIC CONJUGATION IN FLUORANTHENE AND ITS BENZO-DERIVATIVES. PART 1. CATACONDENSED SYSTEMS. Polycyclic Aromatic Compounds, 2009, 29, 90-102.	2.6	24
195	A REGULARITY FOR CYCLIC CONJUGATION IN ACENAPHYHYLENE, FLUORANTHENE AND THEIR CONGENERS. Polycyclic Aromatic Compounds, 2009, 29, 3-11.	2.6	29
196	COMMENTS ON Ï€-ELECTRON CONJUGATION IN THE FIVE-MEMBERED RING OF BENZO-DERIVATIVES OF CORANNULENE. Polycyclic Aromatic Compounds, 2009, 29, 185-208.	2.6	12
197	Distance spectra and distance energies of iterated line graphs of regular graphs. Publications De L'Institut Mathematique, 2009, 85, 39-46.	0.2	34
198	The close relation between cyclic delocalization, energy effects of cycles and aromaticity. Collection of Czechoslovak Chemical Communications, 2009, 74, 147-166.	1.0	16

#	Article	IF	Citations
199	Verifying the PCP-rule by five-center bond indices. Journal of the Serbian Chemical Society, 2009, 74, 549-554.	0.8	16
200	Relations between Clar structures, Clar covers, and the sextet-rotation tree of a hexagonal system. Discrete Applied Mathematics, 2008, 156, 1809-1821.	0.9	6
201	The exponent in the general RandiÄ‡ index. Journal of Mathematical Chemistry, 2008, 43, 32-44.	1.5	12
202	KekulÃ© structures of hexagonal chainsâ€"some unusual connections. Journal of Mathematical Chemistry, 2008, 44, 559-568.	1.5	9
203	Graphenes â€" Aromatic giants. Resonance, 2008, 13, 730-737.	0.3	3
204	Comparing the stability of tribenzo[b,n,pqr]perylene and tribenzo[b,k,pqr]perylene. Monatshefte FÃ¼r Chemie, 2008, 139, 1179-1184.	1.8	12
205	On graphs whose energy exceeds the number of vertices. Linear Algebra and Its Applications, 2008, 429, 2670-2677.	0.9	31
206	Estrada index and Chebyshev polynomials. Chemical Physics Letters, 2008, 454, 145-147.	2.6	26
207	A connection between ordinary and Laplacian spectra of bipartite graphs. Linear and Multilinear Algebra, 2008, 56, 305-310.	1.0	54
208	EFFECT OF HETEROATOMS ON PARTITIONING OF Ï€-ELECTRONS IN RINGS OF CATAFUSENES. Polycyclic Aromatic Compounds, 2008, 28, 85-97.	2.6	8
209	Electronic Structure Study of Thermal Intraconversions of Some Dicyclopenta-Fused Polycyclic Aromatic Compounds. Journal of Chemical Information and Modeling, 2008, 48, 1984-1989.	5.4	6
210	CYCLIC CONJUGATION IN PYRACYLENE. Polycyclic Aromatic Compounds, 2008, 28, 136-142.	2.6	6
211	Bicyclic molecular graphs with the greatest energy. Journal of the Serbian Chemical Society, 2008, 73, 431-433.	0.8	15
212	The Hall rule in fluoranthene-type benzenoid hydrocarbons. Journal of the Serbian Chemical Society, 2008, 73, 989-995.	0.8	10
213	Partitioning of Ï€-electrons in rings of diaza-derivatives of acenes. Journal of the Serbian Chemical Society, 2008, 73, 547-554.	0.8	4
214	Retarded regular graphs are regular or semiregular. Linear and Multilinear Algebra, 2008, 56, 507-509.	1.0	0
215	Lower bounds for Estrada Index. Publications De L'Institut Mathematique, 2008, 83, 1-7.	0.2	25
216	Generalizing the McClelland Bounds for Total Ï€-Electron Energy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 280-282.	1.5	17

#	Article	IF	Citations
217	Energy of a graph is never the square root of an odd integer. Applicable Analysis and Discrete Mathematics, 2008, 2, 118-121.	0.7	30
218	Relating Estrada index with spectral radius. Journal of the Serbian Chemical Society, 2007, 72, 1321-1327.	0.8	18
219	The McClelland approximation and the distribution of Ï€-electron molecular orbital energy levels. Journal of the Serbian Chemical Society, 2007, 72, 967-973.	0.8	3
220	Total Ï€-electron energy and Laplacian energy: How far the analogy goes?. Journal of the Serbian Chemical Society, 2007, 72, 1343-1350.	0.8	39
221	Relating resonance energy with the Zhang-Zhang polynomial. Journal of the Serbian Chemical Society, 2007, 72, 665-671.	0.8	15
222	TESTING THE Yâ€"RULE IN CLAR THEORY. Polycyclic Aromatic Compounds, 2007, 27, 425-436.	2.6	3
223	Estrada Index of Benzenoid Hydrocarbons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 254-258.	1.5	9
224	Alkanes with Greatest Estrada Index. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 495-498.	1.5	12
225	PARTITIONING OF Ï€-ELECTRONS IN RINGS OF AZA-DERIVATIVES OF POLYCYCLIC BENZENOID HYDROCARBONS. Polycyclic Aromatic Compounds, 2007, 27, 51-63.	2.6	17
226	On the Cycle-Dependence of Topological Resonance Energy. Journal of Chemical Information and Modeling, 2007, 47, 776-781.	5.4	34
227	NOTE ON THE Y-RULE IN CLAR THEORY. Polycyclic Aromatic Compounds, 2007, 27, 41-49.	2.6	24
228	Estrada index of cycles and paths. Chemical Physics Letters, 2007, 436, 294-296.	2.6	28
229	Monte Carlo approach to Estrada index. Chemical Physics Letters, 2007, 446, 233-236.	2.6	16
230	Estimating the Estrada index. Linear Algebra and Its Applications, 2007, 427, 70-76.	0.9	129
231	Generalized Wiener indices of zigzagging pentachains. Journal of Mathematical Chemistry, 2007, 42, 103-117.	1.5	10
232	Fusenes and benzenoids with perfect matchings. Journal of Mathematical Chemistry, 2007, 42, 909-924.	1.5	17
233	Partitioning of Ï€-electrons in rings of aza-derivatives of naphthalene. Journal of the Serbian Chemical Society, 2007, 72, 655-663.	0.8	6
234	Chemical Graph Theoryâ€"The Mathematical Connection. Advances in Quantum Chemistry, 2006, 51, 125-138.	0.8	24

#	Article	IF	Citations
235	On the Relationship between Ï€-Electron Energy and Topological Resonance Energy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2006, 61, 345-348.	1.5	1
236	On the role of hypercubes in the resonance graphs of benzenoid graphs. Discrete Mathematics, 2006, 306, 699-704.	0.7	13
237	A theorem on Wiener-type invariants for isometric subgraphs of hypercubes. Applied Mathematics Letters, 2006, 19, 1129-1133.	2.7	11
238	Extending and modifying the Hall rule. Chemical Physics Letters, 2006, 423, 382-385.	2.6	17
239	Vindicating the Pauling-bond-order concept. Chemical Physics Letters, 2006, 427, 418-420.	2.6	16
240	Laplacian energy of a graph. Linear Algebra and Its Applications, 2006, 414, 29-37.	0.9	320
241	A KekulÃ© structure basis for phenylenes. Computational and Theoretical Chemistry, 2006, 770, 67-71.	1.5	9
242	Note on the Coulson integral formula. Journal of Mathematical Chemistry, 2006, 39, 259-266.	1.5	30
243	Benzenoid Molecules with Uniform Distribution of Ï€-Electrons within Rings. Monatshefte FÃ¼r Chemie, 2006, 137, 277-284.	1.8	6
244	Relating Total Ï€-Electron Energy and Resonance Energy of Benzenoid Molecules with KekulÃ©- and Clar-Structure-Based Parameters. Monatshefte FÃ¼r Chemie, 2006, 137, 1127-1138.	1.8	16
245	A DIFFERENCE BETWEEN THE Ï€-ELECTRON PROPERTIES OF CATAFUSENES AND PERIFUSENES. Polycyclic Aromatic Compounds, 2006, 26, 197-206.	2.6	3
246	ALGORITHM FOR SIMULTANEOUS CALCULATION OF KEKULÃ‰ AND CLAR STRUCTURE COUNTS, AND CLAR NUMBER OF BENZENOID MOLECULES. Polycyclic Aromatic Compounds, 2006, 26, 17-35.	2.6	22
247	Minimal configuration trees. Linear and Multilinear Algebra, 2006, 54, 141-145.	1.0	8
248	The HÃ¼ckel total Ï€-electron energy puzzle. Journal of the Serbian Chemical Society, 2006, 71, 771-783.	0.8	18
249	Benzenoid isomers with greatest and smallest KekulÃ© structure counts. Journal of the Serbian Chemical Society, 2006, 71, 785-791.	0.8	4
250	Dependence of Dewar resonance energy of benzenoid molecules on KekulÃ© structure count. Journal of the Serbian Chemical Society, 2006, 71, 1039-1047.	0.8	3
251	A concealed difference between the structure-dependence of Dewar and topological resonance energy. Computational and Theoretical Chemistry, 2005, 757, 119-123.	1.5	6
252	Some properties of the topological bond order. Chemical Physics Letters, 2005, 407, 73-77.	2.6	0

#	Article	IF	Citations
253	Clar theory and resonance energy. Chemical Physics Letters, 2005, 413, 396-399.	2.6	13
254	Pair-wise resonance in catacondensed hexagonal systems. Chemical Physics Letters, 2005, 416, 38-41.	2.6	1
255	Spectra and energies of iterated line graphs of regular graphs. Applied Mathematics Letters, 2005, 18, 679-682.	2.7	45
256	Topology and Stability of Conjugated Hydrocarbons. The Dependence of Total Ï€-Electron Energy on Molecular Topology. ChemInform, 2005, 36, no.	0.0	0
257	Trees with maximum nullity. Linear Algebra and Its Applications, 2005, 397, 245-251.	0.9	79
258	On the Distribution of Ï€-Electrons into Rings of Conjugated Hydrocarbons Containing a Linear Polyacene Fragment. Monatshefte FÃ¼r Chemie, 2005, 136, 713-717.	1.8	10
259	Cyclic Conjugation Energy Effects in Polycyclic Ï€-Electron Systems. Monatshefte FÃ¼r Chemie, 2005, 136, 1055-1069.	1.8	73
260	The Unfixed Subgraph of a Catacondensed Hexagonal System Obtained by Fixing an Alternating Set. Journal of Mathematical Chemistry, 2005, 38, 503-510.	1.5	1
261	Partitioning of Ï€-Electrons in Rings of Fibonacenes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 171-176.	1.5	21
262	Ï€-ELECTRON CONTENTS OF RINGS IN THE DOUBLE-HEXAGONAL-CHAIN HOMOLOGOUS SERIES (PYRENE,) Tj ETQq0 0 0 rgBT /Overlock	2.6	16
263	ELECTRON AND ENERGY CONTENTS OF HEXAGONS IN BENZENOID HYDROCARBONS. Polycyclic Aromatic Compounds, 2005, 25, 87-94.	2.6	8
264	Variable Neighborhood Search for Extremal Graphs. 10. Comparison of Irregularity Indices for Chemical Trees. Journal of Chemical Information and Modeling, 2005, 45, 222-230.	5.4	47
265	Selection of Station Insulators With Respect to Ice and Snowâ€"Part I: Technical Context and Environmental Exposure. IEEE Transactions on Power Delivery, 2005, 20, 264-270.	4.3	60
266	COMPARING THE RANDIÄ†â€"BALABAN AND THE CLAR MODELS FOR PARTITIONING OF Ï€-ELECTRONS IN RINGS OF BENZENOID HYDROCARBONS: THE CASE OF PHENES AND STARPHENES. Polycyclic Aromatic Compounds, 2005, 25, 345-355.	2.6	6
267	Some relations between distance-based polynomials of trees. Academie Serbe Des Sciences Et Des Arts Classe Des Sciences Mathematiques Et Naturelles Bulletin S, 2005, 131, 1-7.	0.3	5
268	Topology and stability of conjugated hydrocarbons: The dependence of total Ï€-electron energy on molecular topology. Journal of the Serbian Chemical Society, 2005, 70, 441-456.	0.8	92
269	Graph of atomic orbitals and the molecular structure-descriptors based on it. Journal of the Serbian Chemical Society, 2005, 70, 669-674.	0.8	9
270	Annelated perylenes: Benzenoid molecules violating the KekulÃ©-structure-based cyclic conjugation models. Journal of the Serbian Chemical Society, 2005, 70, 1023-1032.	0.8	4

#	Article	IF	Citations
271	Iterative estimation of total π-electron energy. Journal of the Serbian Chemical Society, 2005, 70, 1193-1197.	0.8	12
272	Electron content of rings of fully benzenoid hydrocarbons. Journal of the Serbian Chemical Society, 2005, 70, 1199-1204.	0.8	8
273	Relation between Pauling and Coulson Bond Orders in Benzenoid Hydrocarbons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 699-704.	1.5	0
274	On Structure Descriptors Related with Intramolecular Energy of Alkanes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 694-698.	1.5	3
275	Dependence of Total π-Electron Energy on the Number of Non-Bonding Molecular Orbitals. Monatshefte FÃ¼r Chemie, 2004, 135, 765-772.	1.8	17
276	Cyclic Conjugation in Benzo-Annelated Perylenes. How Empty is the â€œEmptyâ€•Ring?. Monatshefte FÃ¼r Chemie, 2004, 135, 1389-1394.	1.8	24
277	Algebraic Kekule Structures of Benzenoid Hydrocarbons.. ChemInform, 2004, 35, no.	0.0	0
278	Chirality Codes and Molecular Structure.. ChemInform, 2004, 35, no.	0.0	0
279	Estimating the angle of total π-electron energy. Computational and Theoretical Chemistry, 2004, 668, 119-121.	1.5	1
280	Balancing the Pauling bond orders in KekulÃ©an benzenoid hydrocarbons. Computational and Theoretical Chemistry, 2004, 686, 181-183.	1.5	0
281	Effect of non-bonding molecular orbitals on total π-electron energy. Chemical Physics Letters, 2004, 383, 171-175.	2.6	18
282	Relations between Wiener, hyper-Wiener and Zagreb indices. Chemical Physics Letters, 2004, 394, 93-95.	2.6	66
283	Clar number of hexagonal chains. Chemical Physics Letters, 2004, 394, 283-286.	2.6	9
284	On the distribution of π-electrons in large polycyclic aromatic hydrocarbons. Chemical Physics Letters, 2004, 397, 412-416.	2.6	48
285	HEXAGONOIDAL PARTITIONING AND QUASI-SINGLE BONDS IN BENZENOID HYDROCARBONS. Polycyclic Aromatic Compounds, 2004, 24, 75-82.	2.6	2
286	Chirality Codes and Molecular Structure. Journal of Chemical Information and Computer Sciences, 2004, 44, 831-836.	2.8	37
287	Algebraic KekulÃ© Structures of Benzenoid Hydrocarbonsâ€. Journal of Chemical Information and Computer Sciences, 2004, 44, 296-299.	2.8	34
288	A Concealed Property of the Topological IndexZ. Bulletin of the Chemical Society of Japan, 2004, 77, 491-496.	3.2	5

#	Article	IF	Citations
289	On the Ï€-Electron Content of Bonds and Rings in Benzenoid Hydrocarbons. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 295-298.	1.5	15
290	Generalized inverse of the Laplacian matrix and some applications. Academie Serbe Des Sciences Et Des Arts Classe Des Sciences Mathematiques Et Naturelles Bulletin S, 2004, 129, 15-23.	0.3	79
291	On the relation between Zenkevich and Wiener indices of alkanes. Journal of the Serbian Chemical Society, 2004, 69, 265-271.	0.8	5
292	Equienergetic chemical trees. Journal of the Serbian Chemical Society, 2004, 69, 549-554.	0.8	41
293	Dependence of the total -electron energy on large number of non-bonding molecular orbitals. Journal of the Serbian Chemical Society, 2004, 69, 777-782.	0.8	14
294	Geometry and conformation of benzenecarboxylic acids. Journal of the Serbian Chemical Society, 2004, 69, 877-882.	0.8	5
295	Resistance distance and Laplacian spectrum. Theoretical Chemistry Accounts, 2003, 110, 284-289.	1.4	200
296	A stochastic chiral amplification model. Chemical Physics Letters, 2003, 372, 464-468.	2.6	17
297	Relation between Wiener-type topological indices of benzenoid molecules. Chemical Physics Letters, 2003, 373, 328-332.	2.6	6
298	Correcting the azimuthal angle concept: nonexistence of an upper bound. Chemical Physics Letters, 2003, 378, 425-427.	2.6	1
299	Graphs with maximum connectivity index. Computational Biology and Chemistry, 2003, 27, 85-90.	2.3	138
300	Extremely branched alkanes. Computational and Theoretical Chemistry, 2003, 629, 303-306.	1.5	3
301	The number of walks in a graph. Applied Mathematics Letters, 2003, 16, 797-801.	2.7	22
302	Asymptotic results regarding the number of walks in a graph. Applied Mathematics Letters, 2003, 16, 389-393.	2.7	6
303	Harmonic graphs with small number of cycles. Discrete Mathematics, 2003, 265, 31-44.	0.7	19
304	Hyper-Wiener Index vs. Wiener Index. Two Highly Correlated Structure-Descriptors. Monatshefte FÃ¼r Chemie, 2003, 134, 975-981.	1.8	20
305	Note of the hyper-Wiener index. Journal of the Serbian Chemical Society, 2003, 68, 943-948.	0.8	5
306	Hyper-Wiener index and Laplacian spectrum. Journal of the Serbian Chemical Society, 2003, 68, 949-952.	0.8	6

#	Article	IF	Citations
307	On the coefficients of the Laplacian characteristic polynomial of trees. Academie Serbe Des Sciences Et Des Arts Classe Des Sciences Mathematiques Et Naturelles Bulletin S, 2003, 127, 31-40.	0.3	14
308	Algebraic structure count of liner phenylenes and their congeners. Journal of the Serbian Chemical Society, 2003, 68, 391-399.	0.8	3
309	Wiener-type indices and internal molecular energy. Journal of the Serbian Chemical Society, 2003, 68, 401-408.	0.8	8
310	Equiseparable chemical trees. Journal of the Serbian Chemical Society, 2003, 68, 549-555.	0.8	5
311	Note of the hyper-Wiener index. Journal of the Serbian Chemical Society, 2003, 68, 943-948.	0.8	9
312	Hyper-Wiener index and Laplacian spectrum. Journal of the Serbian Chemical Society, 2003, 68, 949-952.	0.8	17
313	The Relation between the Eigenvalue Sum and the Topological IndexZRevisited. Bulletin of the Chemical Society of Japan, 2002, 75, 1723-1727.	3.2	22
314	Extremal Chemical Trees. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 49-51.	1.5	9
315	On Kites, Comets, and Stars. Sums of Eigenvector Coefficients in (Molecular) Graphs. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 143-153.	1.5	6
316	Two early branching indices and the relation between them. Theoretical Chemistry Accounts, 2002, 108, 98-102.	1.4	12
317	Amino Acid Mediated Borane Reduction of Ketones IIa. Monatshefte Für Chemie, 2002, 133, 23-29.	1.8	2
318	Clar number of catacondensed benzenoid hydrocarbons. Computational and Theoretical Chemistry, 2002, 586, 235-240.	1.5	21
319	Unicyclic graphs with maximal energy. Linear Algebra and Its Applications, 2002, 356, 27-36.	0.9	46
320	No starlike trees are cospectral. Discrete Mathematics, 2002, 242, 291-295.	0.7	39
321	Coulson function and Hosoya index. Chemical Physics Letters, 2002, 355, 378-382.	2.6	17
322	Relation between hyper-Wiener and Wiener index. Chemical Physics Letters, 2002, 364, 352-356.	2.6	42
323	Wiener Index of Hexagonal Systems. Acta Applicandae Mathematicae, 2002, 72, 247-294.	1.0	222
324	Ordering of alkane isomers by means of connectivity indices. Journal of the Serbian Chemical Society, 2002, 67, 87-97.	0.8	8

#	Article	IF	Citations
325	Two theorems on connectivity indices. Journal of the Serbian Chemical Society, 2002, 67, 99-102.	0.8	11
326	Chemical applications of the Laplacian spectrum. VI On the largest Laplacian eigenvalue of alkanes. Journal of the Serbian Chemical Society, 2002, 67, 407-413.	0.8	20
327	Upgrading the Wiener index. Journal of the Serbian Chemical Society, 2002, 67, 647-651.	0.8	7
328	The variance of the vertex degrees of randomly generated graphs. Applicable Analysis and Discrete Mathematics, 2002, , 30-35.	0.2	3
329	Tetracyclic harmonic graphs. Academie Serbe Des Sciences Et Des Arts Classe Des Sciences Mathematiques Et Naturelles Bulletin S, 2002, 123, 19-31.	0.3	2
330	On Walks in Molecular Graphs. Journal of Chemical Information and Computer Sciences, 2001, 41, 739-745.	2.8	30
331	Modeling Boiling Points of Cycloalkanes by Means of Iterated Line Graph Sequences. Journal of Chemical Information and Computer Sciences, 2001, 41, 1041-1045.	2.8	21
332	Quest for Molecular Graphs with Maximal Energy:â€‰ A Computer Experiment. Journal of Chemical Information and Computer Sciences, 2001, 41, 1002-1005.	2.8	22
333	On Statistics of Graph Energy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2001, 56, 307-311.	1.5	16
334	Total Ï€-Electron Energy of Phenylenes: Bounds and Approximate Expressions. Monatshefte Für Chemie, 2001, 132, 1023-1029.	1.8	15
335	Matchings in starlike trees. Applied Mathematics Letters, 2001, 14, 843-848.	2.7	9
336	Binary coding of Kekulé structures of catacondensed benzenoid hydrocarbons. Computers & Chemistry, 2001, 25, 569-575.	1.2	15
337	On the nullity of line graphs of trees. Discrete Mathematics, 2001, 232, 35-45.	0.7	84
338	A concealed property of total Ï€-electron energy. Chemical Physics Letters, 2001, 349, 95-98.	2.6	16
339	Wiener Index of Trees: Theory and Applications. Acta Applicandae Mathematicae, 2001, 66, 211-249.	1.0	710
340	Approximating the total Ï€-electron energy by means of spectral moments. Chemical Physics Letters, 2001, 334, 168-172.	2.6	15
341	Determination of Unconjugated Carbon Sites in Benzenoid Derivatives. Polycyclic Aromatic Compounds, 2001, 18, 265-271.	2.6	0
342	The Energy of a Graph and its Size Dependence. An Improved Monte Carlo Approach. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2001, 56, 342-346.	1.5	11

#	Article	IF	Citations
343	The Energy of a Graph: Old and New Results. , 2001, , 196-211.		219
344	On molecular graphs and digraphs of annulenes and their spectra. Journal of the Serbian Chemical Society, 2001, 66, 237-241.	0.8	4
345	Narumi-Katayama index of phenylenes. Journal of the Serbian Chemical Society, 2001, 66, 243-247.	0.8	14
346	Choosing the exponent in the definition of the connectivity index. Journal of the Serbian Chemical Society, 2001, 66, 605-611.	0.8	23
347	On the Klemm model for bistability of mixtures of interacting enantiomers. Journal of the Serbian Chemical Society, 2001, 66, 517-521.	0.8	0
348	Cyclic Conjugation in Total Resonant Sextet Benzenoid Hydrocarbons. Polycyclic Aromatic Compounds, 2000, 18, 221-229.	2.6	9
349	Average distances in square-cell configurations. International Journal of Quantum Chemistry, 2000, 76, 611-617.	2.0	4
350	Improving the McClelland inequality for total Ï€-electron energy. Chemical Physics Letters, 2000, 320, 213-216.	2.6	47
351	An algorithm for the calculation of the hyper-Wiener index of benzenoid hydrocarbons. Computers & Chemistry, 2000, 24, 229-233.	1.2	37
352	On the Multiplicative Wiener Index and Its Possible Chemical Applications. Monatshefte FÃ¼r Chemie, 2000, 131, 421-427.	1.8	15
353	On bipartite graphs with small number of laplacian eigenvalues greater than two and three. Linear and Multilinear Algebra, 2000, 47, 205-215.	1.0	13
354	Bounds for the RandiÄ‡ Connectivity Index. Journal of Chemical Information and Computer Sciences, 2000, 40, 593-598.	2.8	11
355	The Multiplicative Version of the Wiener Index. Journal of Chemical Information and Computer Sciences, 2000, 40, 113-116.	2.8	32
356	Relation between Distance-Based Topological Indices. Journal of Chemical Information and Computer Sciences, 2000, 40, 1333-1336.	2.8	4
357	The Number of High-Energy Bands in the Photoelectron Spectrum of Alkanes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2000, 55, 973-988.	1.5	3
358	More hyperenergetic molecular graphs. Journal of the Serbian Chemical Society, 2000, 65, 571-575.	0.8	15
359	On the application of line graphs in quantitative structure-property studies. Journal of the Serbian Chemical Society, 2000, 65, 577-580.	0.8	24
360	Topological Studies of Dioxo Derivatives of Benzenoid Hydrocarbons: Number of KekulÃ© Structures of Dioxo Derivatives of Prolate Rectangles and a Connection to Hypericin. Monatshefte FÃ¼r Chemie, 2000, 131, 0047-0054.	1.8	0

#	Article	IF	Citations
361	Variable neighborhood search for extremal graphs. Computers & Chemistry, 1999, 23, 469-477.	1.2	103
362	The average Wiener index of hexagonal chains. Computers & Chemistry, 1999, 23, 571-576.	1.2	14
363	Alkanes with small and large RandiÄ‡ connectivity indices. Chemical Physics Letters, 1999, 306, 366-372.	2.6	69
364	Concerning the Deprotonation of the Photooxidized 3-Hypericinate Ion. Monatshefte FÃ¼r Chemie, 1999, 130, 1333-1339.	1.8	4
365	Hyper-Wiener index for acyclic structures. Journal of Structural Chemistry, 1999, 40, 293-298.	1.0	4
366	On dioxo derivatives of benzenoid hydrocarbons. Computational and Theoretical Chemistry, 1999, 460, 47-51.	1.5	1
367	On the Hall rule in the theory of benzenoid hydrocarbons. International Journal of Quantum Chemistry, 1999, 74, 627-632.	2.0	16
368	A Clar-Type Regularity for Dianions of Benzenoid Hydrocarbons. Polycyclic Aromatic Compounds, 1999, 13, 33-40.	2.6	2
369	Spectral Moments of the Edge Adjacency Matrix in Molecular Graphs. Benzenoid Hydrocarbons. Journal of Chemical Information and Computer Sciences, 1999, 39, 289-293.	2.8	10
370	Wiener-Number-Related Sequences. Journal of Chemical Information and Computer Sciences, 1999, 39, 534-536.	2.8	28
371	The Average Wiener Index of Trees and Chemical Trees. Journal of Chemical Information and Computer Sciences, 1999, 39, 679-683.	2.8	11
372	Variable Neighborhood Search for Extremal Graphs. 2. Finding Graphs with Extremal Energy. Journal of Chemical Information and Computer Sciences, 1999, 39, 984-996.	2.8	114
373	Conformational Spaces and Absolute Configurations of Chiral Fluorinated Inhalation Anaesthetics. A Theoretical Study. Journal of Organic Chemistry, 1999, 64, 3878-3884.	3.2	18
374	A simple model for chiral amplification in the aminoalcohol-catalyzed reaction of aldehydes with dialkylzinc. Journal of the Serbian Chemical Society, 1999, 64, 447-452.	0.8	3
375	The high-energy band in the photoelectron spectrum of alkanes and its dependence on molecular structure. Journal of the Serbian Chemical Society, 1999, 64, 673-680.	0.8	36
376	A note on the Noyori model for chiral amplification in the aminoalcohol-catalyzed reaction of aldehydes with dialkylzinc. Journal of the Serbian Chemical Society, 1999, 64, 681-684.	0.8	2
377	Zur Deprotonierung des photooxidierten 3-Hypericinations. Monatshefte FÃ¼r Chemie, 1999, 130, 1333.	1.8	3
378	The energy of a graph and its size dependence. A Monte Carlo approach. Chemical Physics Letters, 1998, 297, 428-432.	2.6	36

#	Article	IF	Citations
379	Cyclic conjugation in dianions: effect of cycles on the thermodynamic stability of polycyclic conjugated dianions. Computational and Theoretical Chemistry, 1998, 428, 241-246.	1.5	6
380	On the Tautomers of Hypericin. Monatshefte FÃ¼r Chemie, 1998, 129, 481-486.	1.8	4
381	On the Relative Stability of Dioxo Derivatives of Phenanthro[1,10,9,8-opqra]perylene Related to the Tautomers of Hypericin. Monatshefte FÃ¼r Chemie, 1998, 129, 1019-1024.	1.8	0
382	Algebraic Connections between Topological Indices. Journal of Chemical Information and Computer Sciences, 1998, 38, 62-65.	2.8	26
383	Graph representation of organic molecules Cayley's plerograms vs. his kenograms. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 857-860.	1.7	30
384	Extension of Edge Connectivity Index. Relationships to Line Graph Indices and QSPR Applications. Journal of Chemical Information and Computer Sciences, 1998, 38, 428-431.	2.8	54
385	Permanents of Adjacency Matrices and Their Dependence on Molecular Structure. Polycyclic Aromatic Compounds, 1998, 12, 281-287.	2.6	10
386	An Algorithm for Counting Spanning Trees in Labeled Molecular Graphs Homeomorphic to Cata-Condensed Systems. Journal of Chemical Information and Computer Sciences, 1998, 38, 108-112.	2.8	8
387	Determination of Essentially Disconnected Sites in the Boundary of Coronoid Subgraphs. Polycyclic Aromatic Compounds, 1998, 12, 269-279.	2.6	0
388	A Collective Property of Trees and Chemical Trees. Journal of Chemical Information and Computer Sciences, 1998, 38, 823-826.	2.8	44
389	Extended Wiener indices. A new set of descriptors for quantitative structure-property studies. New Journal of Chemistry, 1998, 22, 819-822.	2.8	50
390	Molecular Connectivity Indices of Iterated Line Graphs. A New Source of Descriptors for QSPR and QSAR Studies. SAR and QSAR in Environmental Research, 1998, 9, 229-240.	2.2	19
391	Determination of Essential Single Bonds in Benzenoid Hydrocarbons. Polycyclic Aromatic Compounds, 1998, 12, 261-267.	2.6	3
392	Topological Properties of Circumcoronenes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 699-703.	1.5	5
393	Response reactions: An interpretative concept in chemical thermodynamics. Pure and Applied Chemistry, 1998, 70, 583-590.	1.9	5
394	Extension of the Z Matrix to Cycle-Containing and Edge-Weighted Molecular Graphs. Journal of Chemical Information and Computer Sciences, 1997, 37, 529-534.	2.8	7
395	Wiener Numbers of Phenylenes:â€‰ An Exact Result. Journal of Chemical Information and Computer Sciences, 1997, 37, 355-358.	2.8	35
396	Detour-Cluj Matrix and Derived Invariants. Journal of Chemical Information and Computer Sciences, 1997, 37, 1101-1108.	2.8	14

#	Article	IF	Citations
397	Trees with Extremal Hyper-Wiener Index:â€‰ Mathematical Basis and Chemical Applications. Journal of Chemical Information and Computer Sciences, 1997, 37, 349-354.	2.8	41
398	Bounds for the Schultz Molecular Topological Index of Benzenoid Systems in Terms of the Wiener Index. Journal of Chemical Information and Computer Sciences, 1997, 37, 741-744.	2.8	14
399	Clar theory and phenylenes. Computational and Theoretical Chemistry, 1997, 389, 227-232.	1.5	10
400	Wiener number of vertex-weighted graphs and a chemical application. Discrete Applied Mathematics, 1997, 80, 73-81.	0.9	92
401	On the Relation between the Path Numbers 1Z, 2Z and the Hosoya Z Index. Journal of Chemical Information and Computer Sciences, 1996, 36, 1118-1122.	2.8	11
402	The Quasi-Wiener and the Kirchhoff Indices Coincide. Journal of Chemical Information and Computer Sciences, 1996, 36, 982-985.	2.8	239
403	A New Recursion Relation for the Characteristic Polynomial of a Molecular Graph. Journal of Chemical Information and Computer Sciences, 1996, 36, 527-530.	2.8	3
404	A Comparison of the Schultz Molecular Topological Index with the Wiener Index. Journal of Chemical Information and Computer Sciences, 1996, 36, 1001-1003.	2.8	75
405	Topological Indices Based on the Line Graph of the Molecular Graph. Journal of Chemical Information and Computer Sciences, 1996, 36, 541-543.	2.8	122
406	Spectral moments of polymer graphs. Theoretica Chimica Acta, 1996, 93, 191-197.	0.8	16
407	A Topological Index Based on Distances of Edges of Molecular Graphs. Journal of Chemical Information and Computer Sciences, 1996, 36, 850-853.	2.8	21
408	Response reactions in chemical thermodynamics. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3525-3532.	1.7	26
409	Topological indices and graph polynomials of some macrocyclic belt-shaped molecules. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 625.	1.7	7
410	Notiz: The Dependence of Vicinal Proton-Proton Coupling Constants of Norbomenes on Molecular Structure. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1996, 51, 1042-1044.	1.5	0
411	Novel Formulation of the Gibbsâ€"Energy Change in Terms of Stoichiometrically Unique Response Reactions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1996, 51, 1079-1083.	1.5	4
412	Benzenoid isomers with extremal KekulÃ© structure counts: symmetric di-fibonaceno-annelated derivatives. Chemical Physics Letters, 1996, 258, 13-17.	2.6	0
413	On Matula numbers. Discrete Mathematics, 1996, 150, 131-142.	0.7	7
414	Graph transformations which preserve the multiplicity of an eigenvalue. Discrete Applied Mathematics, 1996, 67, 221-228.	0.9	5

#	Article	IF	Citations
415	The Szeged and the Wiener index of graphs. Applied Mathematics Letters, 1996, 9, 45-49.	2.7	96
416	Mathematical foundation of the Hessian response equilibrium concept. Journal of Mathematical Chemistry, 1996, 19, 193-203.	1.5	4
417	Joule-Thomson coefficient in systems with multiple chemical equilibria. Journal of Mathematical Chemistry, 1996, 20, 365-384.	1.5	1
418	Cyclic Conjugation Effects in Cyclacenes. Polycyclic Aromatic Compounds, 1996, 8, 189-202.	2.6	45
419	Szeged Indices of Benzenoid Hydrocarbons. Polycyclic Aromatic Compounds, 1996, 8, 259-270.	2.6	4
420	HÃ¼ckel Molecular Orbital Energies and Bond Orders of Cyclacenes. Polycyclic Aromatic Compounds, 1996, 8, 251-257.	2.6	6
421	Revisiting a simple regularity for benzenoid hydrocarbons. Total Ï€-electron energy versus the number of KekulÃ© structures. Chemical Physics Letters, 1995, 234, 21-24.	2.6	21
422	Sensitivity analysis of multiple chemical equilibria: Sensitivity coefficients and response equilibria. Journal of Chemical Physics, 1995, 103, 7545-7555.	3.0	13
423	Algebraic Structure Count of Cyclobutadienyl Bridged Polyacenes. Polycyclic Aromatic Compounds, 1995, 4, 199-207.	2.6	4
424	An Approximate HÃ¼ckel Total Ï€-Electron Energy Formula for Benzenoid Aromatics: Some Amendments. Polycyclic Aromatic Compounds, 1995, 4, 271-274.	2.6	11
425	Fully-Naphthalenoid Hydrocarbons: Enumeration and Classification. Polycyclic Aromatic Compounds, 1995, 4, 219-229.	2.6	4
426	An Algorithm for the Calculation of the Szeged Index of Benzenoid Hydrocarbons. Journal of Chemical Information and Computer Sciences, 1995, 35, 1011-1014.	2.8	60
427	Labeling of Benzenoid Systems which Reflects the Vertex-Distance Relations. Journal of Chemical Information and Computer Sciences, 1995, 35, 590-593.	2.8	103
428	The Szeged Index and an Analogy with the Wiener Index. Journal of Chemical Information and Computer Sciences, 1995, 35, 547-550.	2.8	138
429	Unnoticed identities in chemical thermodynamics. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1325-1331.	1.7	14
430	Response reactions: a way to explain the unusual behaviour of multiple equilibrium systems. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 259-267.	1.7	19
431	Wiener Number of Polyphenyls and Phenylenes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1994, 49, 1040-1044.	1.5	5
432	Net signs of molecular graphs: Dependence of molecular structure. International Journal of Quantum Chemistry, 1994, 49, 87-95.	2.0	5

#	Article	IF	Citations
433	Rectifying a misbelief: Frank Harary's role in the discovery of the coefficient-theorem in chemical graph theory. Journal of Mathematical Chemistry, 1994, 16, 73-78.	1.5	3
434	On the sum of all distances in composite graphs. Discrete Mathematics, 1994, 135, 359-365.	0.7	87
435	On the HÃ¼ckel (4m + 2) rule in polycyclic alternant hydrocarbons. Computational and Theoretical Chemistry, 1994, 309, 301-304.	1.5	6
436	Selected properties of the Schultz molecular topological index. Journal of Chemical Information and Computer Sciences, 1994, 34, 1087-1089.	2.8	287
437	New approach to sensitivity analysis of multiple equilibria in solutions. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3245-3252.	1.7	19
438	Fully-Naphthalenoid Hydrocarbons and their Conjugation Modes. Polycyclic Aromatic Compounds, 1994, 4, 183-189.	2.6	14
439	Frequency of even and odd numbers in distance matrixes of bipartite graphs. Journal of Chemical Information and Computer Sciences, 1994, 34, 912-914.	2.8	3
440	The Dependence of Vicinal Proton-Proton Coupling Constants on Molecular Structure. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1994, 49, 815-818.	1.5	1
441	Cyclic conjugation effects: individual, collective and overall. Chemical Physics Letters, 1993, 203, 378-382.	2.6	10
442	A variant of the Frank chiral amplification model. Chemical Physics Letters, 1993, 216, 447-452.	2.6	15
443	Extremal hexagonal chains. Journal of Mathematical Chemistry, 1993, 12, 197-210.	1.5	54
444	Easy method for the calculation of the algebraic structure count of phenylenes. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 2413.	1.7	24
445	The Mean Isomer Degeneracy of the Wiener Index. Journal of the Chinese Chemical Society, 1993, 40, 195-198.	1.4	9
446	Total Ï€-electron energy of benzenoid hydrocarbons. , 1992, , 29-63.		66
447	Topological properties of benzenoid systems. , 1992, , 1-28.		17
448	Two Variants of the Topological Index and the Relations between Them. Bulletin of the Chemical Society of Japan, 1992, 65, 14-18.	3.2	12
449	Topological Indices of Unbranched Catacondensed Benzenoid Hydrocarbons. Bulletin of the Chemical Society of Japan, 1992, 65, 2011-2015.	3.2	7
450	Estimation of the Total Ï€â€Electron Energy of a Conjugated Molecule. Journal of the Chinese Chemical Society, 1992, 39, 1-5.	1.4	12

#	Article	IF	Citations
451	Effect of Bay Regions on the Total Ï€-Electron Energy of Benzenoid Hydrocarbons. Polycyclic Aromatic Compounds, 1992, 2, 275-282.	2.6	17
452	Linear depedence of total ?-electron energy of benzenoid hydrocarbons on Kekulï¿½ structure count. International Journal of Quantum Chemistry, 1992, 41, 667-672.	2.0	28
453	Remark on the moment expansion of total ?-electron energy. Theoretica Chimica Acta, 1992, 83, 313-318.	0.8	28
454	The critical time in Frank's chiral amplification model. Chemical Physics Letters, 1992, 195, 62-66.	2.6	9
455	On a resonance energy model based on expansion in terms of acyclic moments: Exact results. Theoretica Chimica Acta, 1991, 79, 403-411.	0.8	11
456	Cyclic Conjugation in Peropyrenes. Polycyclic Aromatic Compounds, 1991, 2, 63-73.	2.6	13
457	Conjugated Systems with Identical Circuit Resonance Energies. Bulletin of the Chemical Society of Japan, 1990, 63, 1083-1086.	3.2	3
458	A property of the circuit characteristic polynomial. Journal of Mathematical Chemistry, 1990, 5, 81-82.	1.5	5
459	Wiener numbers of random benzenoid chains. Chemical Physics Letters, 1990, 173, 403-408.	2.6	25
460	McClelland-type lower bound for total Ï€-electron energy. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 3373-3375.	1.7	26
461	Nonaromatic benzenoid hydrocarbons. Pure and Applied Chemistry, 1990, 62, 429-434.	1.9	11
462	On the dependence of the total Ï€-electron energy of a benzenoid hydrocarbon on the number of KekulÃ© structures. Chemical Physics Letters, 1989, 156, 119-121.	2.6	19
463	Examination of the statistical method in the conjugated circuit theory. Monatshefte FÃ¼r Chemie, 1989, 120, 1043-1047.	1.8	1
464	A New Method for the Calculation of the Sextet Polynomial of Unbranched Catacondensed Benzenoid Hydrocarbons. Bulletin of the Chemical Society of Japan, 1989, 62, 1250-1252.	3.2	7
465	Introduction to the Theory of Benzenoid Hydrocarbons. , 1989, , .		391
466	The number of KekulÃ©, structures in long benzenoid chains. Chemical Physics Letters, 1988, 147, 121-125.	2.6	9
467	Approximate Formulas for Hosoyaâ€™s Topological Index. Bulletin of the Chemical Society of Japan, 1987, 60, 2611-2614.	3.2	3
468	Wiener numbers of benzenoid hydrocarbons: two theorems. Chemical Physics Letters, 1987, 136, 134-136.	2.6	38

#	Article	IF	Citations
469	Mathematical Concepts in Organic Chemistry. , 1986, , .		716
470	The Computer System G R A P H: A Useful Tool in Chemical Graph Theory. Journal of Computational Chemistry, 1986, 7, 640-644.	3.3	29
471	On the ordering of graphs with respect to their matching numbers. Discrete Applied Mathematics, 1986, 15, 25-33.	0.9	55
472	Thermodynamic Stability of Conjugated Molecules. , 1986, , 135-154.		3
473	A regularity in Herndon's resonance energy method. Chemical Physics Letters, 1985, 115, 416-418.	2.6	9
474	Note on the contribution of a ring to the stability of conjugated molecules. Chemical Physics Letters, 1984, 105, 281-284.	2.6	10
475	On cyclic conjugation. Theoretica Chimica Acta, 1984, 66, 43-49.	0.8	12
476	On total Ï€-electron energy of benzenoid hydrocarbons. Chemical Physics Letters, 1983, 97, 292-294.	2.6	31
477	Graph-theoretical analysis of the clar's aromatic sextet. Tetrahedron, 1981, 37, 1113-1122.	1.9	89
478	Topological studies on heteroconjugated molecules. Theoretica Chimica Acta, 1979, 50, 287-297.	0.8	26
479	Effect of cycles on total Ï€-electron energy of alternant conjugated hydrocarbons. Journal of the Chemical Society, Faraday Transactions 2, 1979, 75, 799-805.	1.1	19
480	On the calculation of the acyclic polynomial. Theoretica Chimica Acta, 1978, 48, 279-286.	0.8	34
481	Relation between the Coulson and Pauling bond orders. Journal of Chemical Physics, 1978, 68, 1321-1322.	3.0	11
482	A class of approximate topological formulas for total Ï€â€electron energy. Journal of Chemical Physics, 1977, 66, 1652-1655.	3.0	26
483	Graph theory and molecular orbitals. 19. Nonparametric resonance energies of arbitrary conjugated systems. Journal of the American Chemical Society, 1977, 99, 1692-1704.	13.7	503
484	Effect of a Ring on the Stability of Polycyclic Conjugated Molecules. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1977, 32, 10-12.	1.5	41
485	Quantitative approach to hÃ¼ckel rule the relations between the cycles of a molecular graph and the thermodynamic stability of a conjugated molecule. Tetrahedron, 1977, 33, 1809-1812.	1.9	73
486	Bounds for total Ï€-electron energy of polymethines. Chemical Physics Letters, 1977, 50, 488-490.	2.6	21

#	Article	IF	Citations
487	Algebraic characterization of skeletal branching. Chemical Physics Letters, 1977, 47, 15-19.	2.6	79
488	Acyclic systems with extremal Hï¿½ckel ?-electron energy. Theoretica Chimica Acta, 1977, 45, 79-87.	0.8	221
489	Topological properties of benzenoid systems. Theoretica Chimica Acta, 1977, 45, 309-315.	0.8	60
490	Topological Approach to the Chemistry of Conjugated Molecules. Lecture Notes in Quantum Chemistry II, 1977, , .	0.3	230
491	Topological Index as Applied to Ï€-Electronic Systems. IV. On the Topological Factors Causing Non-Uniform Ï€-Electron Charge Distribution in Non-Alternant Hydrocarbons. Bulletin of the Chemical Society of Japan, 1976, 49, 1811-1816.	3.2	21
492	On resonance theory. Chemical Physics Letters, 1975, 34, 387-391.	2.6	18
493	A topological index for the total?-electron energy. Theoretica Chimica Acta, 1975, 38, 37-47.	0.8	139
494	KekulÃ© structures and resonance energies of benzenoid hydrocarbons. Tetrahedron Letters, 1975, 16, 755-758.	1.4	92
495	Bounds For Total Ï€-Electron Energy. Chemical Physics Letters, 1974, 24, 283-285.	2.6	48
496	The nonexistence of topological formula for total ?-electron energy. Theoretica Chimica Acta, 1974, 35, 355-359.	0.8	27
497	Comparison between Laplacian--energy--like invariant and Kirchhoff index. Electronic Journal of Linear Algebra, 0, 31, 27-41.	0.6	4
498	Comparison between Merrifield-Simmons Index and Wiener Index of Graphs. Acta Mathematica Sinica, English Series, 0, , .	0.6	4