

# Ivan Gutman

## List of Publications by Year in descending order

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495  
papers

15,304  
citations

36691

53  
h-index

43601

95  
g-index

511  
all docs

511  
docs citations

511  
times ranked

3263  
citing authors

#	ARTICLE	IF	CITATIONS
1	On Sombor index of trees. <i>Applied Mathematics and Computation</i> , 2022, 412, 126575.	1.4	21
2	A relation between a vertex-degree-based topological index and its energy. <i>Linear Algebra and Its Applications</i> , 2022, 636, 134-142.	0.4	11
3	Estimating vertex-degree-based energies. <i>Military Technical Courier</i> , 2022, 70, 13-23.	0.3	1
4	Comparing Energy and Sombor Energy - An Empirical Study. <i>Match</i> , 2022, 88, 133-140.	0.8	6
5	Sombor index: review of extremal results and bounds. <i>Journal of Mathematical Chemistry</i> , 2022, 60, 771-798.	0.7	30
6	Hosoya index of VDB-weighted graphs. <i>Discrete Applied Mathematics</i> , 2022, 317, 18-25.	0.5	1
7	Some basic properties of Sombor indices. <i>Open Journal of Discrete Applied Mathematics</i> , 2021, 4, 1-3.	0.7	46
8	Spectrum and energy of the Sombor matrix. <i>Military Technical Courier</i> , 2021, 69, 551-561.	0.3	15
9	On graphs preserving PI index upon edge removal. <i>Journal of Mathematical Chemistry</i> , 2021, 59, 1603-1609.	0.7	1
10	Relation between geometricâ€œarithmetic and arithmeticâ€œgeometric indices. <i>Journal of Mathematical Chemistry</i> , 2021, 59, 1520.	0.7	6
11	Sombor index of chemical graphs. <i>Applied Mathematics and Computation</i> , 2021, 399, 126018.	1.4	56
12	TOPOLOGICAL INDICES â€œ WHY AND HOW. , 2021, , .		0
13	Spectral radius and energy of Sombor matrix of graphs. <i>Filomat</i> , 2021, 35, 5093-5100.	0.2	0
14	Beyond the Zagreb indices. <i>AKCE International Journal of Graphs and Combinatorics</i> , 2020, 17, 74-85.	0.4	63
15	Two Stability Criteria for Benzenoid Hydrocarbons and Their Relation. <i>Croatica Chemica Acta</i> , 2020, 92, 473-475.	0.1	0
16	Cycle energy and its size dependence. <i>Discrete Applied Mathematics</i> , 2020, 284, 534-537.	0.5	1
17	Lower Bounds for Inverse Sum Indeg Index of Graphs. <i>Kragujevac Journal of Mathematics</i> , 2020, 44, 551-562.	0.3	8
18	New bounds for Laplacian energy. <i>Military Technical Courier</i> , 2020, 68, 1-7.	0.3	0

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19	Two Laplacian energies and the relations between them. <i>Military Technical Courier</i> , 2020, 68, 207-215.	0.3	0
20	Some Less Familiar Properties of Randić Index. <i>Croatica Chemica Acta</i> , 2020, 93, .	0.1	1
21	Relating graph energy with vertex-degree-based energies. <i>Military Technical Courier</i> , 2020, 68, 715-725.	0.3	2
22	Graph irregularity and its measures. <i>Applied Mathematics and Computation</i> , 2019, 357, 317-324.	1.4	10
23	Some new lower bounds for augmented Zagreb index. <i>Journal of Applied Mathematics and Computing</i> , 2019, 61, 405-415.	1.2	3
24	Linear and non-linear inequalities on the inverse sum indeg index. <i>Discrete Applied Mathematics</i> , 2019, 258, 123-134.	0.5	12
25	Inverse problem for Zagreb indices. <i>Journal of Mathematical Chemistry</i> , 2019, 57, 609-615.	0.7	12
26	Total domination and open packing in some chemical graphs. <i>Journal of Mathematical Chemistry</i> , 2018, 56, 1481-1492.	0.7	45
27	Hyper-Wiener and Wiener polarity indices of silicate and oxide frameworks. <i>Journal of Mathematical Chemistry</i> , 2018, 56, 1493-1510.	0.7	17
28	Stepwise irregular graphs. <i>Applied Mathematics and Computation</i> , 2018, 325, 234-238.	1.4	16
29	A Comparative Study of the Two Isomers of Bicalicene. <i>Polycyclic Aromatic Compounds</i> , 2018, 38, 25-31.	1.4	0
30	Randić index and information. <i>AKCE International Journal of Graphs and Combinatorics</i> , 2018, 15, 307-312.	0.4	59
31	Inverse problem on the Steiner Wiener index. <i>Discussiones Mathematicae - Graph Theory</i> , 2018, 38, 83.	0.2	17
32	Comparative analysis of symmetric division deg index as potentially useful molecular descriptor. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25659.	1.0	34
33	Degree-based energies of graphs. <i>Linear Algebra and Its Applications</i> , 2018, 554, 185-204.	0.4	40
34	On Laplacian energy, Laplacian-energy-like invariant and Kirchhoff index of graphs. <i>Linear Algebra and Its Applications</i> , 2018, 554, 170-184.	0.4	2
35	Graphs with maximal $\chi$ irregularity. <i>Discrete Applied Mathematics</i> , 2018, 250, 57-64.	0.5	22
36	Further results on the largest matching root of unicyclic graphs. <i>Discrete Applied Mathematics</i> , 2017, 221, 82-88.	0.5	8

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37	Extended energy and its dependence on molecular structure. Canadian Journal of Chemistry, 2017, 95, 526-529.	0.6	15
38	On coindices of graphs and their complements. Applied Mathematics and Computation, 2017, 305, 161-165.	1.4	5
39	Strain in strain-free benzenoid hydrocarbons: the case of fibonacenes. Chemical Papers, 2017, 71, 1491-1495.	1.0	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.	0.4	22
41	Connectivity, diameter, independence number and the distance spectral radius of graphs. Linear Algebra and Its Applications, 2017, 529, 30-50.	0.4	5
42	Protein Sequence Comparison Based on Physicochemical Properties and the Position-Feature Energy Matrix. Scientific Reports, 2017, 7, 46237.	1.6	31
43	Nordhaus's Gaddum-type results for the Steiner Wiener index of graphs. Discrete Applied Mathematics, 2017, 219, 167-175.	0.5	15
44	Cacti with $n$ -vertices and $t$ cycles having extremal Wiener index. Discrete Applied Mathematics, 2017, 232, 189-200.	0.5	27
45	Generalizations of Székfalvi Nagy and Chebyshev inequalities with applications in spectral graph theory. Applied Mathematics and Computation, 2017, 313, 235-244.	1.4	5
46	On the maximum ABC index of graphs without pendent vertices. Applied Mathematics and Computation, 2017, 315, 298-312.	1.4	92
47	Extending the McClelland formula for total $\pi$ -electron energy. Journal of Mathematical Chemistry, 2017, 55, 1934-1940.	0.7	3
48	On spectral radius and energy of extended adjacency matrix of graphs. Applied Mathematics and Computation, 2017, 296, 116-123.	1.4	18
49	Relations between degrees, conjugate degrees and graph energies. Linear Algebra and Its Applications, 2017, 515, 24-37.	0.4	2
50	Inverse degree, Randic index and harmonic index of graphs. Applicable Analysis and Discrete Mathematics, 2017, 11, 304-313.	0.3	10
51	The Steiner Wiener index of a graph. Discussiones Mathematicae - Graph Theory, 2016, 36, 455.	0.2	34
52	Total $\pi$ -electron and HOMO energy. Chemical Physics Letters, 2016, 649, 148-150.	1.2	4
53	A kernel-based clustering method for gene selection with gene expression data. Journal of Biomedical Informatics, 2016, 62, 12-20.	2.5	55
54	Paradise Lost's $\pi$ -Electron Conjugation in Homologs and Derivatives of Perylene. Challenges and Advances in Computational Chemistry and Physics, 2016, , 297-320.	0.6	4

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55	On some degree-and-distance-based graph invariants of trees. Applied Mathematics and Computation, 2016, 289, 1-6.	1.4	8
56	Total $\pi$ -Electron Energy of Conjugated Molecules with Non-bonding Molecular Orbitals. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 161-164.	0.7	3
57	On Wiener and multiplicative Wiener indices of graphs. Discrete Applied Mathematics, 2016, 206, 9-14.	0.5	21
58	Upper bounds for some graph energies. Applied Mathematics and Computation, 2016, 289, 435-443.	1.4	15
59	Graphs with maximum Laplacian and signless Laplacian Estrada index. Discrete Mathematics, 2016, 339, 2664-2671.	0.4	12
60	On energy of line graphs. Linear Algebra and Its Applications, 2016, 499, 79-89.	0.4	11
61	More on borderenergetic graphs. Linear Algebra and Its Applications, 2016, 497, 199-208.	0.4	7
62	On ordering of complements of graphs with respect to matching numbers. Applied Mathematics and Computation, 2016, 282, 167-174.	1.4	1
63	On Steiner degree distance of trees. Applied Mathematics and Computation, 2016, 283, 163-167.	1.4	14
64	On energy and Laplacian energy of bipartite graphs. Applied Mathematics and Computation, 2016, 273, 759-766.	1.4	16
65	On atom-bond connectivity molecule structure descriptors. Journal of the Serbian Chemical Society, 2016, 81, 271-276.	0.4	2
66	Constructing NSSD Molecular Graphs. Croatica Chemica Acta, 2016, 89, .	0.1	3
67	Reciprocal product-degree distance of graphs. Filomat, 2016, 30, 2217-2231.	0.2	2
68	Which tree has the smallest $A \cdot B \cdot C$ index among trees with $k$ leaves?. Discrete Applied Mathematics, 2015, 194, 143-146.	0.5	10
69	A forgotten topological index. Journal of Mathematical Chemistry, 2015, 53, 1184-1190.	0.7	500
70	A combined technique for computation of energy-effect of cycles in conjugated molecules. Journal of Mathematical Chemistry, 2015, 53, 1113-1125.	0.7	15
71	Strain in strain-free benzenoid hydrocarbons: The case of phenanthrene. Chemical Physics Letters, 2015, 625, 69-72.	1.2	4
72	On Laplacian energy in terms of graph invariants. Applied Mathematics and Computation, 2015, 268, 83-92.	1.4	17

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73	Upper bound on Randić energy of some graphs. <i>Linear Algebra and Its Applications</i> , 2015, 478, 241-255.	0.4	2
74	Novel inequalities for generalized graph entropies " Graph energies and topological indices. <i>Applied Mathematics and Computation</i> , 2015, 259, 470-479.	1.4	27
75	The degree resistance distance of cacti. <i>Discrete Applied Mathematics</i> , 2015, 188, 16-24.	0.5	14
76	Relations between distance-based and degree-based topological indices. <i>Applied Mathematics and Computation</i> , 2015, 270, 142-147.	1.4	22
77	Bounds for Laplacian-type graph energies. <i>Miskolc Mathematical Notes</i> , 2015, 16, 195.	0.3	2
78	A congruence relation for Wiener and Szeged indices. <i>Filomat</i> , 2015, 29, 1081-1083.	0.2	6
79	On Kirchhoff and degree Kirchhoff indices. <i>Filomat</i> , 2015, 29, 1869-1877.	0.2	5
80	Multicenter Wiener indices and their applications. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 1009-1017.	0.4	23
81	On spectral radius and energy of complete multipartite graphs. <i>Ars Mathematica Contemporanea</i> , 2015, 9, 109-113.	0.3	25
82	Seidel energy of iterated line graphs of regular graphs. <i>Kragujevac Journal of Mathematics</i> , 2015, 39, 7-12.	0.3	10
83	Laplacian energy of union and Cartesian product and Laplacian equienergetic graphs. <i>Kragujevac Journal of Mathematics</i> , 2015, 39, 193-205.	0.3	3
84	Zagreb indices of transformation graphs and total transformation graphs. <i>Applied Mathematics and Computation</i> , 2014, 247, 1156-1160.	1.4	45
85	Frank model with limited resources. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 2330-2333.	0.7	2
86	Relating the ABC and harmonic indices. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 557-563.	0.4	5
87	Topological properties of altan-benzenoid hydrocarbons. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 1515-1521.	0.4	11
88	Wiener index of Eulerian graphs. <i>Discrete Applied Mathematics</i> , 2014, 162, 247-250.	0.5	25
89	On incidence energy of graphs. <i>Linear Algebra and Its Applications</i> , 2014, 446, 329-344.	0.4	14
90	A decreasing sequence of upper bounds for the Laplacian energy of a tree. <i>Linear Algebra and Its Applications</i> , 2014, 446, 304-313.	0.4	4

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91	Towards a definition of almost- $\epsilon$ -equienergetic graphs. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 213-221.	0.7	2
92	A case of breakdown of the Pauling bond order concept. <i>Chemical Physics Letters</i> , 2014, 614, 104-109.	1.2	4
93	Ky Fan theorem applied to Randić energy. <i>Linear Algebra and Its Applications</i> , 2014, 459, 23-42.	0.4	5
94	On difference of Zagreb indices. <i>Discrete Applied Mathematics</i> , 2014, 178, 83-88.	0.5	82
95	On Randić energy. <i>Linear Algebra and Its Applications</i> , 2014, 442, 50-57.	0.4	64
96	On the Laplacian-energy-like invariant. <i>Linear Algebra and Its Applications</i> , 2014, 442, 58-68.	0.4	12
97	Degree-based topological indices: Optimal trees with given number of pendants. <i>Applied Mathematics and Computation</i> , 2014, 240, 387-398.	1.4	13
98	Metric-Extremal Graphs. <i>Discrete Mathematics and Its Applications</i> , 2014, , 111-139.	0.1	1
99	A graph theoretical approach to cis/trans isomerism. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 805-813.	0.4	2
100	Topological indices of Kragujevac trees. <i>Proyecciones</i> , 2014, 33, 471-482.	0.1	4
101	Vertex-degree-based topological indices of catacondensed hexagonal systems. <i>Chemical Physics Letters</i> , 2013, 572, 154-157.	1.2	11
102	Why plerograms are not used in chemical graph theory? The case of terminal-Wiener index. <i>Chemical Physics Letters</i> , 2013, 568-569, 195-197.	1.2	3
103	The energy of directed hexagonal systems. <i>Linear Algebra and Its Applications</i> , 2013, 439, 1825-1833.	0.4	7
104	On structure-sensitivity of degree-based topological indices. <i>Applied Mathematics and Computation</i> , 2013, 219, 8973-8978.	1.4	121
105	On benzenoid systems with minimal number of inlets. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 1351-1357.	0.4	4
106	A test of Clar aromatic sextet theory. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 1539-1546.	0.4	8
107	Degree-Based Topological Indices. <i>Croatica Chemica Acta</i> , 2013, 86, 351-361.	0.1	452
108	Estimating the total $\pi$ -electron energy. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 1925-1933.	0.4	7

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109	Harary index of the k-th power of a graph. <i>Applicable Analysis and Discrete Mathematics</i> , 2013, 7, 94-105.	0.3	6
110	Testing the quality of molecular structure descriptors. Vertex-degree-based topological indices. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 805-810.	0.4	101
111	Comparing energy and Randic energy. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2013, 32, 117.	0.2	5
112	The ABC index conundrum. <i>Filomat</i> , 2013, 27, 1075-1083.	0.2	37
113	Bound for vertex PI index in terms of simple graph parameters. <i>Filomat</i> , 2013, 27, 1583-1587.	0.2	6
114	Vertex-degree-based molecular structure descriptors of benzenoid systems and phenylenes. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1031-1036.	0.4	12
115	Cyclic conjugation in benzo- and benzocyclobutadieno-annelated terylenes and higher rylenes. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 751-759.	0.4	0
116	Verifying the modes of cyclic conjugation in tetrabenzo[bc,ef,op,rs]circumanthracene. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1401-1408.	0.4	2
117	Limitations of Pauling Bond Order Concept. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 36-47.	1.4	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. <i>Protein and Peptide Letters</i> , 2012, 19, 1170-1176.	0.4	22
121	Anomalous cyclic conjugation in the perylene/bisanthrene homologous series. <i>Monatshefte für Chemie</i> , 2012, 143, 1649-1653.	0.9	10
122	On induced current density in the perylene/bisanthrene homologous series. <i>Chemical Physics Letters</i> , 2012, 552, 151-155.	1.2	12
123	Predicting Nucleosome Positions in Yeast: Using the Absolute Frequency. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012, 29, 1081-1088.	2.0	5
124	Some properties of the Narumi-Katayama index. <i>Applied Mathematics Letters</i> , 2012, 25, 1435-1438.	1.5	22
125	The matching energy of a graph. <i>Discrete Applied Mathematics</i> , 2012, 160, 2177-2187.	0.5	59
126	Estimating the Laplacian Energy-Like Molecular Structure Descriptor. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2012, 67, 403-406.	0.7	15



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127	Computer search for trees with minimal ABC index. Applied Mathematics and Computation, 2012, 219, 767-772.	1.4	25
128	Comparative Study of Aromaticity in Tetraoxa[8]circulenes. Journal of Physical Chemistry A, 2012, 116, 9421-9430.	1.1	46
129	q-Wiener index of some compound trees. Applied Mathematics and Computation, 2012, 218, 9528-9535.	1.4	4
130	Bounds for all graph energies. Chemical Physics Letters, 2012, 528, 72-74.	1.2	17
131	On the Zagreb indices equality. Discrete Applied Mathematics, 2012, 160, 1-8.	0.5	5
132	Comparison between Kirchhoff index and the Laplacian-energy-like invariant. Linear Algebra and Its Applications, 2012, 436, 3661-3671.	0.4	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.	0.2	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.	1.2	83
144	On the first geometricâ€œarithmetic index of graphs. Discrete Applied Mathematics, 2011, 159, 2030-2037.	0.5	37

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145	DFT study on singlet diradical character of zethrenes. Russian Journal of Physical Chemistry A, 2011, 85, 2368-2372.	0.1	10
146	Triplet fluoranthenes: Aromaticity versus unpaired electrons. Journal of Molecular Modeling, 2011, 17, 805-810.	0.8	23
147	Effect of benzo-annulation on cyclic conjugation. Monatshefte für Chemie, 2011, 142, 53-57.	0.9	12
148	Local aromaticity in benzo- and benzocyclobutadieno-annelated anthracenes. Monatshefte für Chemie, 2011, 142, 797-800.	0.9	9
149	On a class of distance-based molecular structure descriptors. Chemical Physics Letters, 2011, 503, 336-338.	1.2	83
150	Graphenes "Aromatic giants". Resonance, 2011, 16, 1238-1245.	0.2	0
151	Relation between second and third geometric-arithmetic indices of trees. Journal of Chemometrics, 2011, 25, 87-91.	0.7	39
152	Bounds for the signless Laplacian energy. Linear Algebra and Its Applications, 2011, 435, 2365-2374.	0.4	59
153	The energy change of weighted graphs. Linear Algebra and Its Applications, 2011, 435, 2425-2431.	0.4	32
154	A generalization of Fiedler's lemma and some applications. Linear and Multilinear Algebra, 2011, 59, 929-942.	0.5	4
155	Local Aromaticity in Benzo- and Benzocyclobutadieno-Annelated Phenanthrenes. Polycyclic Aromatic Compounds, 2011, 31, 339-349.	1.4	6
156	Upper bound for the energy of strongly connected digraphs. Applicable Analysis and Discrete Mathematics, 2011, 5, 37-45.	0.3	18
157	A simple mathematical model for the effect of benzoannulation on cyclic conjugation. Journal of the Serbian Chemical Society, 2011, 76, 1505-1511.	0.4	1
158	Effect of benzocyclobutadieno-annulation on cyclic conjugation in fluoranthene congeners. Journal of the Serbian Chemical Society, 2011, 76, 733-741.	0.4	6
159	Kekulé Structures in Fluoranthenes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 473-476.	0.7	13
160	Hydrogen-mediated Stone-Wales isomerization of dicyclopenta[de,mn]anthracene. Journal of Molecular Modeling, 2010, 16, 1519-1527.	0.8	4
161	A fully benzenoid system has a unique maximum cardinality resonant set. Acta Applicandae Mathematicae, 2010, 112, 15-19.	0.5	4
162	Maxima and Minima of the Hosoya Index and the Merrifield-Simmons Index. Acta Applicandae Mathematicae, 2010, 112, 323-346.	0.5	94

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163	Pairwise energy effect of cyclic conjugation in benzo-annelated perylenes. Monatshefte für Chemie, 2010, 141, 401-407.	0.9	14
164	A new geometricâ€œarithmetic index. Journal of Mathematical Chemistry, 2010, 47, 477-486.	0.7	41
165	Theory of the PCP effect and related phenomena. Journal of Mathematical Chemistry, 2010, 47, 1303-1312.	0.7	15
166	Energy of a polynomial and the Coulson integral formula. Journal of Mathematical Chemistry, 2010, 48, 1062-1068.	0.7	31
167	Applications of a theorem by Ky Fan in the theory of graph energy. Linear Algebra and Its Applications, 2010, 432, 2163-2169.	0.4	52
168	Special Issue in honor of Dragos Cvetkoviâ€™c. Linear Algebra and Its Applications, 2010, 432, 2727.	0.4	0
169	Energy of line graphs. Linear Algebra and Its Applications, 2010, 433, 1312-1323.	0.4	49
170	Lower bounds for Estrada index and Laplacian Estrada index. Applied Mathematics Letters, 2010, 23, 739-742.	1.5	28
171	Estimating the higher-order Randiâ€ž index. Chemical Physics Letters, 2010, 489, 118-120.	1.2	7
172	Estimating the Vertex PI Index. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 240-244.	0.7	4
173	Diradical character of some fluoranthenes. Journal of the Serbian Chemical Society, 2010, 75, 1241-1249.	0.4	19
174	On the number of Kekulâ€© structures of fluoranthene congeners. Journal of the Serbian Chemical Society, 2010, 75, 1093-1098.	0.4	5
175	Correlations between Local Aromaticity Indices of Bipartite Conjugated Hydrocarbons. Journal of Physical Chemistry A, 2010, 114, 5870-5877.	1.1	26
176	A Case of Breakdown of the Kekulâ€©â€œStructure Model. Polycyclic Aromatic Compounds, 2010, 30, 240-246.	1.4	16
177	Cyclic conjugation in benzo-annelated triphenylenes. Journal of the Serbian Chemical Society, 2010, 75, 943-950.	0.4	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.	0.4	4
179	More on the Laplacian Estrada index. Applicable Analysis and Discrete Mathematics, 2009, 3, 371-378.	0.3	28
180	On $\pi$ -electron conjugation in the five-membered ring of fluoranthene-type benzenoid hydrocarbons. Journal of the Serbian Chemical Society, 2009, 74, 765-771.	0.4	18

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181	Stability order of isomeric benzenoid hydrocarbons and Kekulé structure count. Journal of the Serbian Chemical Society, 2009, 74, 155-158.	0.4	3
182	Formation and isomerization of dicyclopenta[de,mn]anthracene. Electronic Structure Study. Journal of Molecular Modeling, 2009, 15, 953-958.	0.8	3
183	Thermal isomerization in cyclopenta[fg]aceanthrylene. Monatshefte für Chemie, 2009, 140, 153-156.	0.9	3
184	Testing the PCP-rule. Monatshefte für Chemie, 2009, 140, 1305-1309.	0.9	15
185	On two types of geometric arithmetic index. Chemical Physics Letters, 2009, 482, 153-155.	1.2	26
186	On the degree distance of a graph. Discrete Applied Mathematics, 2009, 157, 2773-2777.	0.5	51
187	Maximum energy trees with two maximum degree vertices. Journal of Mathematical Chemistry, 2009, 45, 962-973.	0.7	18
188	New upper bounds on Zagreb indices. Journal of Mathematical Chemistry, 2009, 46, 514-521.	0.7	52
189	Terminal Wiener index. Journal of Mathematical Chemistry, 2009, 46, 522-531.	0.7	50
190	On incidence energy of a graph. Linear Algebra and Its Applications, 2009, 431, 1223-1233.	0.4	69
191	Estimating the Szeged index. Applied Mathematics Letters, 2009, 22, 1680-1684.	1.5	16
192	Quantitative study of the PCP effect. Chemical Physics Letters, 2009, 475, 289-292.	1.2	18
193	The edge-Wiener index of a graph. Discrete Mathematics, 2009, 309, 3452-3457.	0.4	55
194	CYCLIC CONJUGATION IN FLUORANTHENE AND ITS BENZO-DERIVATIVES. PART 1. CATACONDENSED SYSTEMS. Polycyclic Aromatic Compounds, 2009, 29, 90-102.	1.4	24
195	A REGULARITY FOR CYCLIC CONJUGATION IN ACENAPHYHYLENE, FLUORANTHENE AND THEIR CONGENERS. Polycyclic Aromatic Compounds, 2009, 29, 3-11.	1.4	29
196	COMMENTS ON $\pi$ -ELECTRON CONJUGATION IN THE FIVE-MEMBERED RING OF BENZO-DERIVATIVES OF CORANNULENE. Polycyclic Aromatic Compounds, 2009, 29, 185-208.	1.4	12
197	Distance spectra and distance energies of iterated line graphs of regular graphs. Publications De L'Institut Mathematique, 2009, 85, 39-46.	0.3	34
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