

# Milan RandiÄ

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2954770/publications.pdf>

Version: 2024-02-01

219  
papers

12,635  
citations

34016

52  
h-index

27345

106  
g-index

222  
all docs

222  
docs citations

222  
times ranked

3334  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graph energy based on the eccentricity matrix. <i>Discrete Mathematics</i> , 2019, 342, 2636-2646.	0.4	25
2	Benzenoid rings resonance energies and local aromaticity of benzenoid hydrocarbons. <i>Journal of Computational Chemistry</i> , 2019, 40, 753-762.	1.5	5
3	Mathematical chemistry illustrations: a personal view of less known results. <i>Journal of Mathematical Chemistry</i> , 2019, 57, 280-314.	0.7	0
4	Aromaticity Revisited. <i>Advances in Quantum Chemistry</i> , 2018, 77, 167-199.	0.4	3
5	The anti-adjacency matrix of a graph: Eccentricity matrix. <i>Discrete Applied Mathematics</i> , 2018, 251, 299-309.	0.5	36
6	Local aromaticity and aromatic sextet theory beyond Clar. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25657.	1.0	22
7	On Solved and Unsolved Problems in Chemistry. <i>Journal of Computer Chemistry Japan</i> , 2017, 16, 42-46.	0.0	0
8	Protein alignment: Exact versus approximate. An illustration. <i>Journal of Computational Chemistry</i> , 2015, 36, 1069-1074.	1.5	10
9	Novel insight into Clar's aromatic $\pi$ -sextets. <i>Chemical Physics Letters</i> , 2014, 601, 1-5.	1.2	18
10	Rank of Hadamard powers of Euclidean distance matrices. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 729-740.	0.7	1
11	Canonical labels for protein spots of proteomics maps. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 198-212.	0.7	0
12	On of molecular similarity based on a single molecular descriptor. <i>Chemical Physics Letters</i> , 2014, 599, 1-6.	1.2	9
13	On the centrality of vertices of molecular graphs. <i>Journal of Computational Chemistry</i> , 2013, 34, 2514-2523.	1.5	1
14	Milestones in graphical bioinformatics. <i>International Journal of Quantum Chemistry</i> , 2013, 113, 2413-2446.	1.0	41
15	Very efficient search for nucleotide alignments. <i>Journal of Computational Chemistry</i> , 2013, 34, 77-82.	1.5	10
16	On Map Representations of DNA. <i>Croatica Chemica Acta</i> , 2013, 86, 519-529.	0.1	1
17	Common vertex matrix: A novel characterization of molecular graphs by counting. <i>Journal of Computational Chemistry</i> , 2013, 34, 1409-1419.	1.5	5
18	On characterizing proteomics maps by using weighted Voronoi maps. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 2689-2702.	0.7	4

#	ARTICLE	IF	CITATIONS
19	π-Electron currents in fixed π-sextet aromatic benzenoids. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 2755-2774.	0.7	10
20	π-Electron currents in polycyclic conjugated hydrocarbons: Coronene and its isomers having five and seven member rings. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 972-985.	1.0	14
21	π-Electron currents in larger fully aromatic benzenoids. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 2456-2462.	1.0	3
22	Conjugated circuits currents in hexabenzocoronene and its derivatives formed by joining proximal carbons. <i>Journal of Computational Chemistry</i> , 2012, 33, 1111-1122.	1.5	7
23	Applying the conjugated circuits method to Clar structures of [n]phenylenes for determining resonance energies. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20644.	1.3	26
24	Graphical Representation of Proteins. <i>Chemical Reviews</i> , 2011, 111, 790-862.	23.0	104
25	Structural Approach to Aromaticity and Local Aromaticity in Conjugated Polycyclic Systems. <i>Carbon Materials</i> , 2011, , 159-204.	0.2	5
26	On numerical characterization of proteomics maps based on partitioning of 2-D maps into Voronoi regions. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 1759-1768.	0.7	4
27	π-Electron Currents in Polycyclic Conjugated Hydrocarbons of Decreasing Aromatic Character and a Novel Structural Definition of Aromaticity#. <i>Open Organic Chemistry Journal</i> , 2011, 5, 11-26.	0.9	24
28	Algebraic clar formulas - numerical representation of clar structural formula. <i>Acta Chimica Slovenica</i> , 2011, 58, 448-57.	0.2	4
29	Novel graph distance matrix. <i>Journal of Computational Chemistry</i> , 2010, 31, 1832-1841.	1.5	9
30	Study of proteome maps using partial ordering. <i>Journal of Theoretical Biology</i> , 2010, 266, 21-28.	0.8	13
31	Graph theoretical approach to π-electron currents in polycyclic conjugated hydrocarbons. <i>Chemical Physics Letters</i> , 2010, 500, 123-127.	1.2	42
32	Use of the Szeged index and the revised Szeged index for measuring network bipartivity. <i>Discrete Applied Mathematics</i> , 2010, 158, 1936-1944.	0.5	59
33	Citations versus limitations of citations: beyond Hirsch index. <i>Scientometrics</i> , 2009, 80, 809-818.	1.6	17
34	Graph theoretical study of structural similarity in benzomorphans. <i>International Journal of Quantum Chemistry</i> , 2009, 16, 55-71.	1.0	2
35	Symmetry properties of graphs of interest in chemistry. III. Homotetrahedryl rearrangement. <i>International Journal of Quantum Chemistry</i> , 2009, 18, 557-577.	1.0	2
36	On intramolecular average <sup>13</sup> C chemical shift in nonanes. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 3093-3102.	1.0	0

#	ARTICLE	IF	CITATIONS
37	Spectrum-like graphical representation of RNA secondary structure. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 2982-2995.	1.0	7
38	Graphical representation of proteins as four-color maps and their numerical characterization. <i>Journal of Molecular Graphics and Modelling</i> , 2009, 27, 637-641.	1.3	45
39	Novel spectral representation of RNA secondary structure without loss of information. <i>Chemical Physics Letters</i> , 2009, 476, 277-280.	1.2	11
40	On representation of DNA by line distance matrix. <i>Journal of Mathematical Chemistry</i> , 2008, 43, 674-692.	0.7	14
41	On a geometry-based approach to protein sequence alignment. <i>Journal of Mathematical Chemistry</i> , 2008, 43, 756-772.	0.7	17
42	Partition of $\pi$ -electrons between faces of polyhedral carbon aggregates. <i>Journal of Mathematical Chemistry</i> , 2008, 43, 773-779.	0.7	8
43	Ring signatures for benzenoids with up to seven rings, Part 2: Pericondensed systems. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 898-926.	1.0	12
44	Ring signatures for benzenoids with up to seven rings, Part 1: Catacondensed systems. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 865-897.	1.0	14
45	Another look at the chaos-game representation of DNA. <i>Chemical Physics Letters</i> , 2008, 456, 84-88.	1.2	35
46	Correlations between various ways of accounting for the distribution of $\pi$ -electrons in benzenoids. <i>New Journal of Chemistry</i> , 2008, 32, 1071.	1.4	10
47	New Chessboard (8x8) Representation of the Standard Genetic Code, and Its Application for Representing Primary Structures of Proteins. , 2008, , .		0
48	A New Yardstick for Benzenoid Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11769-11776.	1.1	5
49	$\pi$ -Electron Partitions, Signatures, and Clar Structures of Selected Benzenoid Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4148-4157.	1.1	13
50	Numerical Kekulé Structures of Fullerenes and Partitioning of $\pi$ -Electrons to Pentagonal and Hexagonal Rings. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 897-904.	2.5	22
51	2-D Graphical representation of proteins based on physico-chemical properties of amino acids. <i>Chemical Physics Letters</i> , 2007, 440, 291-295.	1.2	47
52	On representation of proteins by star-like graphs. <i>Journal of Molecular Graphics and Modelling</i> , 2007, 26, 290-305.	1.3	89
53	Partitioning of $\pi$ -Electrons in Rings for Clar Structures of Benzenoid Hydrocarbons. <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 57-64.	2.5	43
54	Quantitative Characterizations of Proteome: Dependence on the Number of Proteins Considered. <i>Journal of Proteome Research</i> , 2006, 5, 1575-1579.	1.8	15

#	ARTICLE	IF	CITATIONS
55	Anticonnectivity: A Challenge for Structure-Property-Activity Studies. Journal of Chemical Information and Modeling, 2006, 46, 2-8.	2.5	15
56	Novel 2-D graphical representation of proteins. Chemical Physics Letters, 2006, 419, 528-532.	1.2	94
57	A novel unexpected use of a graphical representation of DNA: Graphical alignment of DNA sequences. Chemical Physics Letters, 2006, 431, 375-379.	1.2	42
58	On the Dependence of a Characterization of Proteomics Maps on the Number of Protein Spots Considered. Journal of Chemical Information and Modeling, 2006, 46, 116-122.	2.5	13
59	Characterization of Complex Biological Systems by Matrix Invariants. Journal of Computational Biology, 2006, 13, 1558-1564.	0.8	16
60	On Kekulé structures of buckminsterfullerene. Chemical Physics Letters, 2005, 401, 446-450.	1.2	31
61	Four-color map representation of DNA or RNA sequences and their numerical characterization. Chemical Physics Letters, 2005, 407, 205-208.	1.2	52
62	Novel Characterization of Proteomics Maps by Sequential Neighborhoods of Protein Spots. Journal of Chemical Information and Modeling, 2005, 45, 1205-1213.	2.5	20
63	Partitioning of $\pi$ -electrons in rings of polycyclic conjugated hydrocarbons: Part 6. Comparison with other methods for estimating the local aromaticity of rings in polycyclic benzenoids. Journal of Mathematical Chemistry, 2005, 37, 443-453.	0.7	40
64	Partitioning of $\pi$ -Electrons in Rings of Fibonacenes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 171-176.	0.7	21
65	$\pi$ -ELECTRON CONTENTS OF RINGS IN THE DOUBLE-HEXAGONAL-CHAIN HOMOLOGOUS SERIES (PYRENE,) Tj ETQq <sub>1,4</sub> 0.784314 16 rgB	1.1	16
66	Algorithm for Coding DNA Sequences into Spectrum-like and Zigzag Representations. Journal of Chemical Information and Modeling, 2005, 45, 309-313.	2.5	40
67	Canonical Labeling of Proteome Maps. Journal of Proteome Research, 2005, 4, 1347-1352.	1.8	18
68	Order from Chaos: Observing Hormesis at the Proteome Level. Journal of Proteome Research, 2005, 4, 2133-2136.	1.8	30
69	Using Variable and Fixed Topological Indices for the Prediction of Reaction Rate Constants of Volatile Unsaturated Hydrocarbons with OH Radicals. Molecules, 2004, 9, 1160-1176.	1.7	28
70	Variable Connectivity Index as a Tool for Modeling Structure-Property Relationships. Molecules, 2004, 9, 1177-1193.	1.7	17
71	Partitioning of $\pi$ -electrons in Rings of Polycyclic Conjugated Hydrocarbons. Part 4. Benzenoids with More Than One Geometric Kekulé Structure Corresponding to the Same Algebraic Kekulé Structure. Journal of Mathematical Chemistry, 2004, 36, 271-279.	0.7	30
72	ON SIMILARITY OF PROTEOME MAPS. Medicinal Chemistry Research, 2004, 13, 800-811.	1.1	5

#	ARTICLE	IF	CITATIONS
73	Algebraic Kekule Formulas for Benzenoid Hydrocarbons.. ChemInform, 2004, 35, no.	0.1	0
74	Graphical representations of DNA as 2-D map. Chemical Physics Letters, 2004, 386, 468-471.	1.2	95
75	Unique graphical representation of protein sequences based on nucleotide triplet codons. Chemical Physics Letters, 2004, 397, 247-252.	1.2	97
76	PARTITIONING OF $\pi$ -ELECTRONS IN RINGS OF POLYCYCLIC conjugated HYDROCARBONS. PART 1: CATACONDENSED BENZENOID. Polycyclic Aromatic Compounds, 2004, 24, 173-193.	1.4	55
77	Quantitative characterization of protein structure: application to a novel $\beta$ fold. New Journal of Chemistry, 2004, 28, 1608-1614.	1.4	11
78	Partitioning of $\pi$ -Electrons in Rings of Polycyclic Conjugated Hydrocarbons. 5. Nonalternant Compounds. Journal of Chemical Information and Computer Sciences, 2004, 44, 1701-1707.	2.8	47
79	Algebraic Kekulé Formulas for Benzenoid Hydrocarbons. Journal of Chemical Information and Computer Sciences, 2004, 44, 365-372.	2.8	50
80	Wiener-Hosoya Index A Novel Graph Theoretical Molecular Descriptor. Journal of Chemical Information and Computer Sciences, 2004, 44, 373-377.	2.8	21
81	Algebraic Kekulé Structures of Benzenoid Hydrocarbons. Journal of Chemical Information and Computer Sciences, 2004, 44, 296-299.	2.8	34
82	Partitioning of $\pi$ -electrons in rings of polycyclic conjugated hydrocarbons. Part 3. Perifusenes. New Journal of Chemistry, 2004, 28, 800-806.	1.4	49
83	Partitioning of $\pi$ -Electrons in Rings of Polycyclic Benzenoid Hydrocarbons. 2.1Catacondensed Coronoids. Journal of Chemical Information and Computer Sciences, 2004, 44, 50-59.	2.8	61
84	On Invariants of a 2-D Proteome Map Derived from Neighborhood Graphs. Journal of Proteome Research, 2004, 3, 778-785.	1.8	19
85	DNA invariants based on nonoverlapping triplets of nucleotide bases. Chemical Physics Letters, 2003, 379, 147-154.	1.2	18
86	Novel 2-D graphical representation of DNA sequences and their numerical characterization. Chemical Physics Letters, 2003, 368, 1-6.	1.2	247
87	Analysis of similarity/dissimilarity of DNA sequences based on novel 2-D graphical representation. Chemical Physics Letters, 2003, 371, 202-207.	1.2	206
88	Compact 2-D graphical representation of DNA. Chemical Physics Letters, 2003, 373, 558-562.	1.2	69
89	Novel map descriptors for characterization of toxic effects in proteomics maps. Journal of Molecular Graphics and Modelling, 2003, 22, 1-9.	1.3	47
90	Characterization of molecular complexity. International Journal of Quantum Chemistry, 2003, 91, 20-31.	1.0	26

#	ARTICLE	IF	CITATIONS
91	Aromaticity of Polycyclic Conjugated Hydrocarbons. <i>Chemical Reviews</i> , 2003, 103, 3449-3606.	23.0	678
92	On a Four-Dimensional Representation of DNA Primary Sequences [J.Chem. Inf. Comput. Sci.43, 532-539 (2003)]. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 1724-1724.	2.8	1
93	On A Four-Dimensional Representation of DNA Primary Sequences. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 532-539.	2.8	117
94	Quantitative Characterization of Proteomics Maps by Matrix Invariants. , 2003, , 429-450.		3
95	Clar's $\pi$ -aromatic sextet revisited***This paper is honoring Professor Ivan Gutman, a dedicated warrior for a better recognition of Clar's insights into the nature of benzenoids dominate properties of benzenoid systems.. <i>Theoretical and Computational Chemistry</i> , 2002, , 503-533.	0.2	5
96	On Characterization of Dose Variations of 2-D Proteomics Maps by Matrix Invariants. <i>Journal of Proteome Research</i> , 2002, 1, 217-226.	1.8	32
97	A Comparative Study of Proteomics Maps Using Graph Theoretical Biodescriptors. <i>Journal of Chemical Information and Computer Sciences</i> , 2002, 42, 983-992.	2.8	28
98	A graph theoretical characterization of proteomics maps. <i>International Journal of Quantum Chemistry</i> , 2002, 90, 848-858.	1.0	38
99	Quantum Chemical Justification for Clar's Valence Structures. , 2002, , 204-239.		3
100	On Graphical and Numerical Characterization of Proteomics Maps. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 1330-1338.	2.8	44
101	On Interpretation of Well-Known Topological Indices. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 550-560.	2.8	103
102	The Variable Molecular Descriptors Based on Distance Related Matrices. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 575-581.	2.8	52
103	A New Descriptor for Structure-Property and Structure-Activity Correlations. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 650-656.	2.8	39
104	Graph Theoretical Descriptors of Two-Dimensional Chirality with Possible Extension to Three-Dimensional Chirality. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 639-649.	2.8	28
105	On the Characterization of DNA Primary Sequences by Triplet of Nucleic Acid Bases. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 619-626.	2.8	105
106	The Variable Connectivity Index versus the Traditional Molecular Descriptors: A Comparative Study of Against Descriptors of CODESSA. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 631-638.	2.8	49
107	On Use of the Variable Connectivity Index in QSAR: Toxicity of Aliphatic Ethers. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 614-618.	2.8	76
108	Variable Connectivity Index for Cycle-Containing Structures. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 657-662.	2.8	63

#	ARTICLE	IF	CITATIONS
109	On 3-D Graphical Representation of Proteomics Maps and Their Numerical Characterization. Journal of Chemical Information and Computer Sciences, 2001, 41, 1339-1344.	2.8	54
110	Retro-RegressionAnother Important Multivariate Regression Improvementâ€. Journal of Chemical Information and Computer Sciences, 2001, 41, 602-606.	2.8	9
111	Novel Shape Descriptors for Molecular Graphs. Journal of Chemical Information and Computer Sciences, 2001, 41, 607-613.	2.8	83
112	On Structural Interpretation of Several Distance Related Topological Indices. Journal of Chemical Information and Computer Sciences, 2001, 41, 593-601.	2.8	42
113	Characterization of DNA Primary Sequences Based on the Average Distances between Bases. Journal of Chemical Information and Computer Sciences, 2001, 41, 561-568.	2.8	40
114	The connectivity index 25 years after. Journal of Molecular Graphics and Modelling, 2001, 20, 19-35.	1.3	198
115	A novel 2-D graphical representation of DNA sequences of low degeneracy. Chemical Physics Letters, 2001, 350, 106-112.	1.2	103
116	Title is missing!. Journal of Mathematical Chemistry, 2001, 30, 325-342.	0.7	2
117	Giant Benzenoid Hydrocarbons. Superphenalene Resonance Energy. Polycyclic Aromatic Compounds, 2000, 18, 49-69.	1.4	2
118	On characterization of physical properties of amino acids. International Journal of Quantum Chemistry, 2000, 80, 1199-1209.	1.0	43
119	On characterization of DNA primary sequences by a condensed matrix. Chemical Physics Letters, 2000, 317, 29-34.	1.2	60
120	Proposal for Using an Untapped Source of Citations Characterizing Scientific Areas. Scientometrics, 2000, 49, 517-521.	1.6	0
121	About one - an inquiry about the meanings and uses of the number one. International Journal of Mathematical Education in Science and Technology, 2000, 31, 811-824.	0.8	3
122	High quality structureâ€“property regressions. Boiling points of smaller alkanes. New Journal of Chemistry, 2000, 24, 165-171.	1.4	26
123	On the Similarity of DNA Primary Sequences. Journal of Chemical Information and Computer Sciences, 2000, 40, 599-606.	2.8	112
124	Condensed Representation of DNA Primary Sequences. Journal of Chemical Information and Computer Sciences, 2000, 40, 50-56.	2.8	93
125	Construction of High-Quality Structureâˆ“Propertyâˆ“Activity Regressions:â€‰ The Boiling Points of Sulfides. Journal of Chemical Information and Computer Sciences, 2000, 40, 899-905.	2.8	35
126	Use of path matrices for a characterization of molecular structures. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 2000, , 305-322.	0.0	9



#	ARTICLE	IF	CITATIONS
127	Resonance energy of giant benzenoid hydrocarbon C <sub>78</sub> H <sub>26</sub> . International Journal of Quantum Chemistry, 1999, 74, 697-708.	1.0	9
128	On a characterization of the folding of proteins. International Journal of Quantum Chemistry, 1999, 75, 1017-1026.	1.0	55
129	Optimal Molecular Descriptors Based on Weighted Path Numbers. Journal of Chemical Information and Computer Sciences, 1999, 39, 261-266.	2.8	73
130	On structural ordering and branching of acyclic saturated hydrocarbons. Journal of Mathematical Chemistry, 1998, 24, 345-358.	0.7	21
131	Optimal molecular connectivity descriptors for nitrogen-containing molecules. International Journal of Quantum Chemistry, 1998, 70, 1209-1215.	1.0	42
132	Clar Polynomials of Large Benzenoid Systems. Journal of Chemical Information and Computer Sciences, 1998, 38, 563-574.	2.8	12
133	Much ado about nothing – an introductive inquiry about zero. International Journal of Mathematical Education in Science and Technology, 1998, 29, 729-744.	0.8	7
134	Dense Graphs and Sparse Matrices. Journal of Chemical Information and Computer Sciences, 1997, 37, 1078-1081.	2.8	14
135	On Characterization of Cyclic Structures. Journal of Chemical Information and Computer Sciences, 1997, 37, 1063-1071.	2.8	38
136	On Characterization of Chemical Structure. Journal of Chemical Information and Computer Sciences, 1997, 37, 672-687.	2.8	165
137	Hierarchical orthogonalization of descriptors. International Journal of Quantum Chemistry, 1997, 63, 215-222.	1.0	58
138	Resonance in catacondensed benzenoid hydrocarbons. International Journal of Quantum Chemistry, 1997, 63, 585-600.	1.0	34
139	On characterization of molecular surfaces. International Journal of Quantum Chemistry, 1997, 65, 1065-1076.	1.0	22
140	Characterization of 3-D sequences of proteins. Chemical Physics Letters, 1997, 272, 115-119.	1.2	46
141	Orthosimilarity. Journal of Chemical Information and Computer Sciences, 1996, 36, 1092-1097.	2.8	12
142	Bond profiles for cuboctahedron and twist cuboctahedron. International Journal of Quantum Chemistry, 1996, 60, 1851-1863.	1.0	6
143	Higher-order Fibonacci numbers. Journal of Mathematical Chemistry, 1996, 20, 79-94.	0.7	18
144	Molecular bonding profiles. Journal of Mathematical Chemistry, 1996, 19, 375-392.	0.7	38

#	ARTICLE	IF	CITATIONS
145	On characterization of the conformations of nine-membered rings. <i>International Journal of Quantum Chemistry</i> , 1995, 56, 61-73.	1.0	11
146	On Construction of Clar Structures for Large Benzenoids. <i>Polycyclic Aromatic Compounds</i> , 1995, 4, 249-269.	1.4	13
147	On Characterization of Molecular Shapes. <i>Journal of Chemical Information and Computer Sciences</i> , 1995, 35, 594-606.	2.8	28
148	Molecular Shape Profiles. <i>Journal of Chemical Information and Computer Sciences</i> , 1995, 35, 373-382.	2.8	70
149	Compact Codes: On Nomenclature of Acyclic Chemical Compounds. <i>Journal of Chemical Information and Computer Sciences</i> , 1995, 35, 357-365.	2.8	8
150	Restricted random walks on graphs. <i>Theoretica Chimica Acta</i> , 1995, 92, 97-106.	0.9	17
151	On the Characterization of Fullerenes. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1994, 2, 427-444.	0.6	4
152	Generalized bond orders. <i>International Journal of Quantum Chemistry</i> , 1994, 49, 215-237.	1.0	7
153	On conjugated-circuit polynomials. <i>International Journal of Quantum Chemistry</i> , 1994, 50, 369-384.	1.0	8
154	Curve-fitting paradox. <i>International Journal of Quantum Chemistry</i> , 1994, 52, 215-225.	1.0	7
155	Distance/Distance Matrixes. <i>Journal of Chemical Information and Computer Sciences</i> , 1994, 34, 277-286.	2.8	119
156	Novel molecular descriptor for structure-property studies. <i>Chemical Physics Letters</i> , 1993, 211, 478-483.	1.2	273
157	Fitting of nonlinear regressions by orthogonalized power series. <i>Journal of Computational Chemistry</i> , 1993, 14, 363-370.	1.5	47
158	Representation of molecular graphs by basic graphs. <i>Journal of Chemical Information and Computer Sciences</i> , 1992, 32, 57-69.	2.8	35
159	In search of structural invariants. <i>Journal of Mathematical Chemistry</i> , 1992, 9, 97-146.	0.7	56
160	Resolution of ambiguities in structure-property studies by use of orthogonal descriptors. <i>Journal of Chemical Information and Computer Sciences</i> , 1991, 31, 311-320.	2.8	223
161	On the Relative Stability of Nonbenzenoid Alternant Hydrocarbons. <i>Polycyclic Aromatic Compounds</i> , 1991, 2, 183-194.	1.4	8
162	Novel graph theoretical approach to heteroatoms in quantitative structure-activity relationships. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1991, 10, 213-227.	1.8	122

#	ARTICLE	IF	CITATIONS
163	Correlation of enthalpy of octanes with orthogonal connectivity indices. Computational and Theoretical Chemistry, 1991, 233, 45-59.	1.5	100
164	On computation of optimal parameters for multivariate analysis of structure-property relationship. Journal of Computational Chemistry, 1991, 12, 970-980.	1.5	111
165	Computer-assisted studies of structure-property relationships using graph invariants. Magnetic Resonance in Chemistry, 1991, 29, 362-365.	1.1	7
166	On the difference in bond orders between HMO and PPP methods. International Journal of Quantum Chemistry, 1990, 37, 437-448.	1.0	10
167	On a Fragment Approach to Structure-activity Correlations. QSAR and Combinatorial Science, 1989, 8, 39-48.	1.4	16
168	On the construction of the matching polynomial for unbranched catacondensed benzenoids. Journal of Computational Chemistry, 1989, 10, 683-697.	1.5	17
169	The conjugated-circuit model: application to benzenoid hydrocarbons. Journal of Molecular Structure, 1989, 198, 223-237.	1.8	39
170	Computer assisted structure-taste studies on sulfamates by pattern recognition method using graph theoretical invariants. Journal of Computational Chemistry, 1988, 9, 636-646.	1.5	20
171	Composition as a method for data reduction: application to carbon-13 NMR chemical shifts. Theoretica Chimica Acta, 1988, 73, 233-246.	0.9	24
172	On characterization of three-dimensional structures. International Journal of Quantum Chemistry, 1988, 34, 201-208.	1.0	45
173	A rational selection of graph-theoretical indices in the QSAR. International Journal of Quantum Chemistry, 1988, 34, 267-285.	1.0	18
174	Conjugation and aromaticity of macrocyclic systems. International Journal of Quantum Chemistry, 1988, 34, 127-141.	1.0	13
175	Clar's valence structures of benzenoid hydrocarbons. Journal of the Chemical Society, Faraday Transactions 2, 1988, 84, 1875.	1.1	13
176	Resonance energies of large conjugated hydrocarbons by a statistical method. International Journal of Quantum Chemistry, 1987, 32, 35-59.	1.0	18
177	The search for active substructures in structure-activity studies. International Journal of Quantum Chemistry, 1987, 32, 245-260.	1.0	5
178	On the evaluation of the characteristic polynomial via symmetric function theory. Journal of Mathematical Chemistry, 1987, 1, 145-152.	0.7	43
179	Graph generators. Journal of Computational Chemistry, 1987, 8, 522-535.	1.5	8
180	On the Relative Stabilities of Conjugated Heterocycles Containing Divalent Sulfur. Sulfur Reports, 1986, 6, 379-426.	0.7	9

#	ARTICLE	IF	CITATIONS
181	Symmetry properties of chemical graphs. IX. The valence tautomerism in the P73? skeleton. Journal of Computational Chemistry, 1986, 7, 35-54.	1.5	31
182	A graph theoretical approach to Mü1/2bius systems in organic chemistry. International Journal of Quantum Chemistry, 1986, 30, 185-201.	1.0	10
183	On the stability of conjugated hydrocarbon ions. International Journal of Quantum Chemistry, 1986, 30, 203-218.	1.0	6
184	On some solved and unsolved problems of chemical graph theory. International Journal of Quantum Chemistry, 1986, 30, 699-742.	1.0	42
185	On irreducible endospectral graphs. Journal of Mathematical Physics, 1986, 27, 2601-2612.	0.5	24
186	A graph theoretical approach to quantitative structure-activity relationship. International Journal of Quantum Chemistry, 1985, 28, 123-139.	1.0	4
187	On molecular identification numbers. Journal of Chemical Information and Computer Sciences, 1984, 24, 164-175.	2.8	191
188	Symmetry properties of chemical graphs. VI. Isomerizations of octahedral complexes. International Journal of Quantum Chemistry, 1984, 26, 69-89.	1.0	19
189	Nonempirical approach to structure-activity studies. International Journal of Quantum Chemistry, 1984, 26, 137-153.	1.0	47
190	Conjugation and aromaticity of corannulenes. Journal of the American Chemical Society, 1984, 106, 4428-4434.	6.6	72
191	Survey of structural regularities in molecular properties. I. Carbon-13 chemical shifts in alkanes. International Journal of Quantum Chemistry, 1983, 23, 1707-1722.	1.0	23
192	Unusual random walks. International Journal of Quantum Chemistry, 1983, 24, 435-452.	1.0	22
193	Symmetry properties of chemical graphs. V. Internal rotation inXY?3XY?2XY3. Journal of Computational Chemistry, 1983, 4, 73-83.	1.5	6
194	On evaluation of the characteristic polynomial for large molecules. Journal of Computational Chemistry, 1982, 3, 421-435.	1.5	52
195	Symmetry properties of chemical graphs. IV. Rearrangement of tetragonal-pyramidal complexes. International Journal of Quantum Chemistry, 1982, 21, 647-663.	1.0	16
196	The graph center concept for polycyclic graphs. International Journal of Quantum Chemistry, 1981, 19, 61-82.	1.0	33
197	Resonance energy of very large benzenoid hydrocarbons. International Journal of Quantum Chemistry, 1980, 17, 549-586.	1.0	70
198	Graph theoretical analysis of molecular properties. Isomeric variations in nonanes. International Journal of Quantum Chemistry, 1980, 18, 1005-1027.	1.0	30

#	ARTICLE	IF	CITATIONS
199	Random walks and their diagnostic value for characterization of atomic environment. <i>Journal of Computational Chemistry</i> , 1980, 1, 386-399.	1.5	96
200	Graphical enumeration of conformations of chains. <i>International Journal of Quantum Chemistry</i> , 1980, 18, 187-197.	1.0	2
201	On a graph theoretical basis for ordering of structures. <i>Chemical Physics Letters</i> , 1979, 63, 332-336.	1.2	64
202	A correlation between Kekulé valence structures and conjugated circuits. <i>Chemical Physics</i> , 1979, 41, 265-270.	0.9	53
203	Symmetry properties of graphs of interest in chemistry. II. Desargues-Levi graph. <i>International Journal of Quantum Chemistry</i> , 1979, 15, 663-682.	1.0	43
204	Graph theoretical ordering of structures as a basis for systematic searches for regularities in molecular data. <i>The Journal of Physical Chemistry</i> , 1979, 83, 1525-1540.	2.9	108
205	Graph-theoretical analysis of structure-property and structure-activity correlations. <i>International Journal of Quantum Chemistry</i> , 1978, 14, 245-255.	1.0	18
206	On the parity of Kekulé structures. <i>Molecular Physics</i> , 1977, 34, 849-856.	0.8	29
207	Aromaticity and conjugation. <i>Journal of the American Chemical Society</i> , 1977, 99, 444-450.	6.6	386
208	On Canonical Numbering of Atoms in a Molecule and Graph Isomorphism. <i>Journal of Chemical Information and Modeling</i> , 1977, 17, 171-180.	2.5	70
209	A graph theoretical approach to conjugation and resonance energies of hydrocarbons. <i>Tetrahedron</i> , 1977, 33, 1905-1920.	1.0	190
210	Enumeration of the Kekulé structures in conjugated hydrocarbons. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1976, 72, 232-243.	1.1	72
211	Molecular Connectivity V: Connectivity Series Concept Applied to Density. <i>Journal of Pharmaceutical Sciences</i> , 1976, 65, 1226-1230.	1.6	194
212	Conjugated circuits and resonance energies of benzenoid hydrocarbons. <i>Chemical Physics Letters</i> , 1976, 38, 68-70.	1.2	295
213	Characterization of molecular branching. <i>Journal of the American Chemical Society</i> , 1975, 97, 6609-6615.	6.6	2,810
214	On rearrangement of the connectivity matrix of a graph. <i>Journal of Chemical Physics</i> , 1975, 62, 309.	1.2	21
215	On Unique Numbering of Atoms and Unique Codes for Molecular Graphs. <i>Journal of Chemical Information and Modeling</i> , 1975, 15, 105-108.	2.5	44
216	On the recognition of identical graphs representing molecular topology. <i>Journal of Chemical Physics</i> , 1974, 60, 3920-3928.	1.2	132

#	ARTICLE	IF	CITATIONS
217	Hybridization by the maximum overlap method. International Journal of Quantum Chemistry, 1974, 8, 643-676.	1.0	7
218	Solved and Unsolved Problems of Structural Chemistry. , 0, , .		30
219	Quantitative Characterization of Proteomics Maps by Matrix Invariants. , 0, , 429-450.		5