

Milan Randic

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218
papers

10,806
citations

48
h-index

98
g-index

222
ext. papers

11,613
ext. citations

3.6
avg, IF

6.66
L-index

#	Paper	IF	Citations
218	Characterization of molecular branching. <i>Journal of the American Chemical Society</i> , 1975 , 97, 6609-6615	16.4	2324
217	Aromaticity of polycyclic conjugated hydrocarbons. <i>Chemical Reviews</i> , 2003 , 103, 3449-605	68.1	584
216	Aromaticity and conjugation. <i>Journal of the American Chemical Society</i> , 1977 , 99, 444-450	16.4	345
215	Conjugated circuits and resonance energies of benzenoid hydrocarbons. <i>Chemical Physics Letters</i> , 1976 , 38, 68-70	2.5	273
214	Novel molecular descriptor for structure-property studies. <i>Chemical Physics Letters</i> , 1993 , 211, 478-483	2.5	219
213	Novel 2-D graphical representation of DNA sequences and their numerical characterization. <i>Chemical Physics Letters</i> , 2003 , 368, 1-6	2.5	211
212	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		199
211	Analysis of similarity/dissimilarity of DNA sequences based on novel 2-D graphical representation. <i>Chemical Physics Letters</i> , 2003 , 371, 202-207	2.5	180
210	A graph theoretical approach to conjugation and resonance energies of hydrocarbons. <i>Tetrahedron</i> , 1977 , 33, 1905-1920	2.4	177
209	Molecular connectivity V: connectivity series concept applied to density. <i>Journal of Pharmaceutical Sciences</i> , 1976 , 65, 1226-30	3.9	168
208	On molecular identification numbers. <i>Journal of Chemical Information and Computer Sciences</i> , 1984 , 24, 164-175		164
207	The connectivity index 25 years after. <i>Journal of Molecular Graphics and Modelling</i> , 2001 , 20, 19-35	2.8	158
206	On Characterization of Chemical Structure. <i>Journal of Chemical Information and Computer Sciences</i> , 1997 , 37, 672-687		149
205	On the recognition of identical graphs representing molecular topology. <i>Journal of Chemical Physics</i> , 1974 , 60, 3920-3928	3.9	111
204	Novel graph theoretical approach to heteroatoms in quantitative structure-activity relationships. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1991 , 10, 213-227	3.8	106
203	Distance/Distance Matrixes. <i>Journal of Chemical Information and Computer Sciences</i> , 1994 , 34, 277-286		100
202	On the similarity of DNA primary sequences. <i>Journal of Chemical Information and Computer Sciences</i> , 2000 , 40, 599-606		99

201	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		99
200	On a four-dimensional representation of DNA primary sequences. <i>Journal of Chemical Information and Computer Sciences</i> , 2003 , 43, 532-9		98
199	On the characterization of DNA primary sequences by triplet of nucleic acid bases. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 619-26		96
198	On computation of optimal parameters for multivariate analysis of structure-property relationship. <i>Journal of Computational Chemistry</i> , 1991 , 12, 970-980	3.5	94
197	Correlation of enthalphy of octanes with orthogonal connectivity indices. <i>Computational and Theoretical Chemistry</i> , 1991 , 233, 45-59		92
196	Graphical representation of proteins. <i>Chemical Reviews</i> , 2011 , 111, 790-862	68.1	88
195	A novel 2-D graphical representation of DNA sequences of low degeneracy. <i>Chemical Physics Letters</i> , 2001 , 350, 106-112	2.5	88
194	Random walks and their diagnostic value for characterization of atomic environment. <i>Journal of Computational Chemistry</i> , 1980 , 1, 386-399	3.5	87
193	Novel 2-D graphical representation of proteins. <i>Chemical Physics Letters</i> , 2006 , 419, 528-532	2.5	86
192	On interpretation of well-known topological indices. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 550-60		85
191	Condensed representation of DNA primary sequences. <i>Journal of Chemical Information and Computer Sciences</i> , 2000 , 40, 50-6		84
190	Unique graphical representation of protein sequences based on nucleotide triplet codons. <i>Chemical Physics Letters</i> , 2004 , 397, 247-252	2.5	83
189	Graphical representations of DNA as 2-D map. <i>Chemical Physics Letters</i> , 2004 , 386, 468-471	2.5	79
188	On representation of proteins by star-like graphs. <i>Journal of Molecular Graphics and Modelling</i> , 2007 , 26, 290-305	2.8	78
187	Novel shape descriptors for molecular graphs. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 607-13		73
186	Enumeration of the Kekulé structures in conjugated hydrocarbons. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1976 , 72, 232-243		68
185	Conjugation and aromaticity of corannulenes. <i>Journal of the American Chemical Society</i> , 1984 , 106, 4428-4434	4.14	67
184	Resonance energy of very large benzenoid hydrocarbons. <i>International Journal of Quantum Chemistry</i> , 1980 , 17, 549-586	2.1	66

183	On use of the variable connectivity index 1chi(f) in QSAR: toxicity of aliphatic ethers. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 614-8		63
182	Optimal Molecular Descriptors Based on Weighted Path Numbers. <i>Journal of Chemical Information and Computer Sciences</i> , 1999 , 39, 261-266		62
181	Molecular Shape Profiles. <i>Journal of Chemical Information and Computer Sciences</i> , 1995 , 35, 373-382		61
180	Compact 2-D graphical representation of DNA. <i>Chemical Physics Letters</i> , 2003 , 373, 558-562	2.5	60
179	On a graph theoretical basis for ordering of structures. <i>Chemical Physics Letters</i> , 1979 , 63, 332-336	2.5	58
178	Partitioning of pi-electrons in rings of polycyclic benzenoid hydrocarbons. 2.1. Catacondensed coronoids. <i>Journal of Chemical Information and Computer Sciences</i> , 2004 , 44, 50-9		55
177	On characterization of DNA primary sequences by a condensed matrix. <i>Chemical Physics Letters</i> , 2000 , 317, 29-34	2.5	54
176	On Canonical Numbering of Atoms in a Molecule and Graph Isomorphism. <i>Journal of Chemical Information and Modeling</i> , 1977 , 17, 171-180	6.1	54
175	A correlation between Kekulévalence structures and conjugated circuits. <i>Chemical Physics</i> , 1979 , 41, 265-270	2.3	51
174	On 3-D graphical representation of proteomics maps and their numerical characterization. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 1339-44		50
173	Use of the Szeged index and the revised Szeged index for measuring network bipartivity. <i>Discrete Applied Mathematics</i> , 2010 , 158, 1936-1944	1	49
172	PARTITIONING OF π ELECTRONS IN RINGS OF POLYCYCLIC conjugated HYDROCARBONS. PART 1: CATACONDENSED BENZENOID. <i>Polycyclic Aromatic Compounds</i> , 2004 , 24, 173-193	1.3	49
171	Hierarchical orthogonalization of descriptors. <i>International Journal of Quantum Chemistry</i> , 1997 , 63, 215-222		48
170	Algebraic Kekuléformulas for benzenoid hydrocarbons. <i>Journal of Chemical Information and Computer Sciences</i> , 2004 , 44, 365-72		48
169	Variable connectivity index for cycle-containing structures. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 657-62		48
168	On a characterization of the folding of proteins. <i>International Journal of Quantum Chemistry</i> , 1999 , 75, 1017-1026	2.1	48
167	In search of structural invariants. <i>Journal of Mathematical Chemistry</i> , 1992 , 9, 97-146	2.1	48
166	Partitioning of π electrons in rings of polycyclic conjugated hydrocarbons. Part 3. Perifusenes. <i>New Journal of Chemistry</i> , 2004 , 28, 800-806	3.6	47

165	2-D Graphical representation of proteins based on physico-chemical properties of amino acids. <i>Chemical Physics Letters</i> , 2007 , 440, 291-295	2.5	45
164	Partitioning of pi-electrons in rings of polycyclic conjugated hydrocarbons. 5. Nonalternant compounds. <i>Journal of Chemical Information and Computer Sciences</i> , 2004 , 44, 1701-7		45
163	The variable molecular descriptors based on distance related matrices. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 575-81		45
162	Characterization of 3-D sequences of proteins. <i>Chemical Physics Letters</i> , 1997 , 272, 115-119	2.5	43
161	The variable connectivity index 1chi(f) versus the traditional molecular descriptors: a comparative study of 1chi(f) against descriptors of CODESSA. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 631-8		43
160	On evaluation of the characteristic polynomial for large molecules. <i>Journal of Computational Chemistry</i> , 1982 , 3, 421-435	3.5	43
159	Fitting of nonlinear regressions by orthogonalized power series. <i>Journal of Computational Chemistry</i> , 1993 , 14, 363-370	3.5	42
158	Graphical representation of proteins as four-color maps and their numerical characterization. <i>Journal of Molecular Graphics and Modelling</i> , 2009 , 27, 637-41	2.8	41
157	Four-color map representation of DNA or RNA sequences and their numerical characterization. <i>Chemical Physics Letters</i> , 2005 , 407, 205-208	2.5	41
156	On characterization of three-dimensional structures. <i>International Journal of Quantum Chemistry</i> , 1988 , 34, 201-208	2.1	41
155	Nonempirical approach to structure-activity studies. <i>International Journal of Quantum Chemistry</i> , 1984 , 26, 137-153	2.1	41
154	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. <i>Journal of Mathematical Chemistry</i> , 2005 , 37, 443-453	2.1	40
153	Graph theoretical approach to pi-electron currents in polycyclic conjugated hydrocarbons. <i>Chemical Physics Letters</i> , 2010 , 500, 123-127	2.5	39
152	On characterization of physical properties of amino acids. <i>International Journal of Quantum Chemistry</i> , 2000 , 80, 1199-1209	2.1	39
151	On graphical and numerical characterization of proteomics maps. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 1330-8		39
150	Symmetry properties of graphs of interest in chemistry. II. Desargues-Levi graph. <i>International Journal of Quantum Chemistry</i> , 1979 , 15, 663-682	2.1	39
149	Partitioning of pi-electrons in rings for Clar structures of benzenoid hydrocarbons. <i>Journal of Chemical Information and Modeling</i> , 2006 , 46, 57-64	6.1	38
148	On the evaluation of the characteristic polynomial via symmetric function theory. <i>Journal of Mathematical Chemistry</i> , 1987 , 1, 145-152	2.1	38

147	On Unique Numbering of Atoms and Unique Codes for Molecular Graphs. <i>Journal of Chemical Information and Modeling</i> , 1975 , 15, 105-108	6.1	38
146	Novel map descriptors for characterization of toxic effects in proteomics maps. <i>Journal of Molecular Graphics and Modelling</i> , 2003 , 22, 1-9	2.8	37
145	Optimal molecular connectivity descriptors for nitrogen-containing molecules. <i>International Journal of Quantum Chemistry</i> , 1998 , 70, 1209-1215	2.1	36
144	Algorithm for coding DNA sequences into "spectrum-like" and "zigzag" representations. <i>Journal of Chemical Information and Modeling</i> , 2005 , 45, 309-13	6.1	36
143	A novel unexpected use of a graphical representation of DNA: Graphical alignment of DNA sequences. <i>Chemical Physics Letters</i> , 2006 , 431, 375-379	2.5	36
142	Characterization of DNA primary sequences based on the average distances between bases. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 561-8		36
141	The conjugated-circuit model: application to benzenoid hydrocarbons. <i>Journal of Molecular Structure</i> , 1989 , 198, 223-237	3.4	36
140	On some solved and unsolved problems of chemical graph theory. <i>International Journal of Quantum Chemistry</i> , 1986 , 30, 699-742	2.1	35
139	Construction of high-quality structure-property-activity regressions: the boiling points of sulfides. <i>Journal of Chemical Information and Computer Sciences</i> , 2000 , 40, 899-905		32
138	On structural interpretation of several distance related topological indices. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 593-601		32
137	On Characterization of Cyclic Structures. <i>Journal of Chemical Information and Computer Sciences</i> , 1997 , 37, 1063-1071		31
136	Algebraic Kekulé structures of benzenoid hydrocarbons. <i>Journal of Chemical Information and Computer Sciences</i> , 2004 , 44, 296-9		31
135	A new descriptor for structure-property and structure-activity correlations. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 650-6		31
134	Molecular bonding profiles. <i>Journal of Mathematical Chemistry</i> , 1996 , 19, 375-392	2.1	31
133	Partitioning of π electrons in Rings of Polycyclic Conjugated Hydrocarbons. Part 4. Benzenoids with More Than One Geometric Kekulé Structure Corresponding to the Same Algebraic Kekulé Structure. <i>Journal of Mathematical Chemistry</i> , 2004 , 36, 271-279	2.1	30
132	Resonance in catacondensed benzenoid hydrocarbons. <i>International Journal of Quantum Chemistry</i> , 1997 , 63, 585-600	2.1	29
131	Another look at the chaos-game representation of DNA. <i>Chemical Physics Letters</i> , 2008 , 456, 84-88	2.5	29
130	Order from chaos: observing hormesis at the proteome level. <i>Journal of Proteome Research</i> , 2005 , 4, 2133-6	5.6	29

129	A graph theoretical characterization of proteomics maps. <i>International Journal of Quantum Chemistry</i> , 2002 , 90, 848-858	2.1	29
128	Graph-theoretical analysis of molecular properties. Isomeric variations in nonanes. <i>International Journal of Quantum Chemistry</i> , 1980 , 18, 1005-1027	2.1	29
127	On the parity of Kekulé structures. <i>Molecular Physics</i> , 1977 , 34, 849-856	1.7	29
126	Representation of molecular graphs by basic graphs. <i>Journal of Chemical Information and Computer Sciences</i> , 1992 , 32, 57-69		28
125	The graph center concept for polycyclic graphs. <i>International Journal of Quantum Chemistry</i> , 1981 , 19, 61-82	2.1	28
124	Solved and Unsolved Problems of Structural Chemistry		28
123	Milestones in graphical bioinformatics. <i>International Journal of Quantum Chemistry</i> , 2013 , 113, 2413-2446	1	26
122	On characterization of dose variations of 2-D proteomics maps by matrix invariants. <i>Journal of Proteome Research</i> , 2002 , 1, 217-26	5.6	26
121	On Characterization of Molecular Shapes. <i>Journal of Chemical Information and Computer Sciences</i> , 1995 , 35, 594-606		26
120	Symmetry properties of chemical graphs. IX. The valence tautomerism in the P73 skeleton. <i>Journal of Computational Chemistry</i> , 1986 , 7, 35-54	3.5	26
119	On Kekulé structures of buckminsterfullerene. <i>Chemical Physics Letters</i> , 2005 , 401, 446-450	2.5	25
118	High quality structure-property regressions. Boiling points of smaller alkanes. <i>New Journal of Chemistry</i> , 2000 , 24, 165-171	3.6	24
117	A comparative study of proteomics maps using graph theoretical biodescriptors. <i>Journal of Chemical Information and Computer Sciences</i> , 2002 , 42, 983-92		23
116	Survey of structural regularities in molecular properties. I. Carbon-13 chemical shifts in alkanes. <i>International Journal of Quantum Chemistry</i> , 1983 , 23, 1707-1722	2.1	22
115	Applying the conjugated circuits method to Clar structures of [n]phenylenes for determining resonance energies. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 20644-8	3.6	21
114	Using variable and fixed topological indices for the prediction of reaction rate constants of volatile unsaturated hydrocarbons with OH radicals. <i>Molecules</i> , 2004 , 9, 1160-76	4.8	21
113	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, 639-49		21
112	The anti-adjacency matrix of a graph: Eccentricity matrix. <i>Discrete Applied Mathematics</i> , 2018 , 251, 299-309		20

111	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	6.1	20
110	Partitioning of pi-electrons in Rings of Fullerenes. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2005 , 60, 171-176	1.4	20
109	On characterization of molecular surfaces. <i>International Journal of Quantum Chemistry</i> , 1997 , 65, 1065-1076	1.7	19
108	Wiener-Hosoya index--a novel graph theoretical molecular descriptor. <i>Journal of Chemical Information and Computer Sciences</i> , 2004 , 44, 373-7		19
107	Management of post laser in situ keratomileusis ectasia with simultaneous topography guided photorefractive keratectomy and collagen cross-linking. <i>Open Organic Chemistry Journal</i> , 2011 , 5, 11-3		19
106	On structural ordering and branching of acyclic saturated hydrocarbons. <i>Journal of Mathematical Chemistry</i> , 1998 , 24, 345-358	2.1	18
105	On irreducible endospectral graphs. <i>Journal of Mathematical Physics</i> , 1986 , 27, 2601-2612	1.2	18
104	Resonance energies of large conjugated hydrocarbons by a statistical method. <i>International Journal of Quantum Chemistry</i> , 1987 , 32, 35-59	2.1	18
103	Computer assisted structure-activity studies on sulfamates by pattern recognition method using graph theoretical invariants. <i>Journal of Computational Chemistry</i> , 1988 , 9, 636-646	3.5	18
102	Novel insight into Clar's aromatic sextets. <i>Chemical Physics Letters</i> , 2014 , 601, 1-5	2.5	17
101	Graph-theoretical analysis of structure-property and structure-activity correlations. <i>International Journal of Quantum Chemistry</i> , 2009 , 14, 245-255	2.1	17
100	On a geometry-based approach to protein sequence alignment. <i>Journal of Mathematical Chemistry</i> , 2008 , 43, 756-772	2.1	17
99	Composition as a method for data reduction: application to carbon-13 NMR chemical shifts. <i>Theoretica Chimica Acta</i> , 1988 , 73, 233-246		17
98	On invariants of a 2-D proteome map derived from neighborhood graphs. <i>Journal of Proteome Research</i> , 2004 , 3, 778-85	5.6	16
97	Unusual random walks. <i>International Journal of Quantum Chemistry</i> , 1983 , 24, 435-452	2.1	16
96	Canonical labeling of proteome maps. <i>Journal of Proteome Research</i> , 2005 , 4, 1347-52	5.6	15
95	DNA invariants based on nonoverlapping triplets of nucleotide bases. <i>Chemical Physics Letters</i> , 2003 , 379, 147-154	2.5	15
94	Characterization of molecular complexity. <i>International Journal of Quantum Chemistry</i> , 2003 , 91, 20-31	2.1	15

93	Novel characterization of proteomics maps by sequential neighborhoods of protein spots. <i>Journal of Chemical Information and Modeling</i> , 2005 , 45, 1205-13	6.1	15
92	π-ELECTRON CONTENTS OF RINGS IN THE DOUBLE-HEXAGONAL-CHAIN HOMOLOGOUS SERIES (PYRENE, ANTHANTHRENE AND OTHER ACENOACENES). <i>Polycyclic Aromatic Compounds</i> , 2005 , 25, 215-226	1.3	15
91	Higher-order Fibonacci numbers. <i>Journal of Mathematical Chemistry</i> , 1996 , 20, 79-94	2.1	15
90	On the construction of the matching polynomial for unbranched catacondensed benzenoids. <i>Journal of Computational Chemistry</i> , 1989 , 10, 683-697	3.5	15
89	A rational selection of graph-theoretical indices in the QSAR. <i>International Journal of Quantum Chemistry</i> , 1988 , 34, 267-285	2.1	15
88	Symmetry properties of chemical graphs. IV. Rearrangement of tetragonal-pyramidal complexes. <i>International Journal of Quantum Chemistry</i> , 1982 , 21, 647-663	2.1	15
87	Characterization of complex biological systems by matrix invariants. <i>Journal of Computational Biology</i> , 2006 , 13, 1558-64	1.7	14
86	On rearrangement of the connectivity matrix of a graph. <i>Journal of Chemical Physics</i> , 1975 , 62, 309	3.9	14
85	Graph energy based on the eccentricity matrix. <i>Discrete Mathematics</i> , 2019 , 342, 2636-2646	0.7	13
84	Local aromaticity and aromatic sextet theory beyond Clar. <i>International Journal of Quantum Chemistry</i> , 2018 , 118, e25657	2.1	13
83	Ring signatures for benzenoids with up to seven rings, Part 1: Catacondensed systems. <i>International Journal of Quantum Chemistry</i> , 2008 , 108, 865-897	2.1	13
82	Restricted random walks on graphs. <i>Theoretica Chimica Acta</i> , 1995 , 92, 97-106		13
81	On a Fragment Approach to Structure-activity Correlations. <i>QSAR and Combinatorial Science</i> , 1989 , 8, 39-48		13
80	Symmetry properties of chemical graphs. VI. Isomerizations of octahedral complexes. <i>International Journal of Quantum Chemistry</i> , 1984 , 26, 69-89	2.1	13
79	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	2.1	12
78	Dense Graphs and Sparse Matrices. <i>Journal of Chemical Information and Computer Sciences</i> , 1997 , 37, 1078-1081		12
77	π-electron partitions, signatures, and Clar structures of selected benzenoid hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 4148-57	2.8	12
76	On representation of DNA by line distance matrix. <i>Journal of Mathematical Chemistry</i> , 2008 , 43, 674-692	2.1	12

75	Ring signatures for benzenoids with up to seven rings, Part 2: Pericondensed systems. <i>International Journal of Quantum Chemistry</i> , 2008 , 108, 898-926	2.1	12
74	Quantitative characterizations of proteome: dependence on the number of proteins considered. <i>Journal of Proteome Research</i> , 2006 , 5, 1575-9	5.6	12
73	On Construction of Clar Structures for Large Benzenoids. <i>Polycyclic Aromatic Compounds</i> , 1995 , 4, 249-269		12
72	Conjugation and aromaticity of macrocyclic systems. <i>International Journal of Quantum Chemistry</i> , 1988 , 34, 127-141	2.1	12
71	Clar's valence structures of benzenoid hydrocarbons. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1988 , 84, 1875		12
70	Citations versus limitations of citations: beyond Hirsch index. <i>Scientometrics</i> , 2009 , 80, 809-818	3	11
69	Novel spectral representation of RNA secondary structure without loss of information. <i>Chemical Physics Letters</i> , 2009 , 476, 277-280	2.5	11
68	Study of proteome maps using partial ordering. <i>Journal of Theoretical Biology</i> , 2010 , 266, 21-8	2.3	11
67	Variable connectivity index as a tool for modeling structure-property relationships. <i>Molecules</i> , 2004 , 9, 1177-93	4.8	11
66	Very efficient search for nucleotide alignments. <i>Journal of Computational Chemistry</i> , 2013 , 34, 77-82	3.5	10
65	Correlations between various ways of accounting for the distribution of π electrons in benzenoids. <i>New Journal of Chemistry</i> , 2008 , 32, 1071	3.6	10
64	A graph theoretical approach to Möbius systems in organic chemistry. <i>International Journal of Quantum Chemistry</i> , 1986 , 30, 185-201	2.1	10
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62	π Electron currents in fixed π sextet aromatic benzenoids. <i>Journal of Mathematical Chemistry</i> , 2012 , 50, 2755-2774	2.1	9
61	On the dependence of a characterization of proteomics maps on the number of protein spots considered. <i>Journal of Chemical Information and Modeling</i> , 2006 , 46, 116-22	6.1	9
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56	"Anticonnectivity": a challenge for structure-property-activity studies. <i>Journal of Chemical Information and Modeling</i> , 2006 , 46, 2-8	6.1	8
55	Clar Polynomials of Large Benzenoid Systems. <i>Journal of Chemical Information and Computer Sciences</i> , 1998 , 38, 563-574		8
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48	Retro-regression--another important multivariate regression improvement. <i>Journal of Chemical Information and Computer Sciences</i> , 2001 , 41, 602-6		7
47	Compact Codes: On Nomenclature of Acyclic Chemical Compounds. <i>Journal of Chemical Information and Computer Sciences</i> , 1995 , 35, 357-365		7
46	On conjugated circuit polynomials. <i>International Journal of Quantum Chemistry</i> , 1994 , 50, 369-384	2.1	7
45	On the Relative Stability of Nonbenzenoid Alternant Hydrocarbons. <i>Polycyclic Aromatic Compounds</i> , 1991 , 2, 183-194	1.3	7
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