

# Jerry Ray Dias

## List of Publications by Year in descending order

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156  
docs citations

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times ranked

891  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dimeric and Oligomeric Steroids. <i>Chemical Reviews</i> , 1997, 97, 283-304.	23.0	191
2	Molecular Orbital Calculations Using Chemical Graph Theory. , 1993, , .		95
3	A periodic table for polycyclic aromatic hydrocarbons. Isomer enumeration of fused polycyclic aromatic hydrocarbons. Part I. <i>Journal of Chemical Information and Computer Sciences</i> , 1982, 22, 15-22.	2.8	79
4	A periodic table for polycyclic aromatic hydrocarbons. <i>Accounts of Chemical Research</i> , 1985, 18, 241-248.	7.6	70
5	A periodic table for polycyclic aromatic hydrocarbons. IV. Isomer enumeration of polycyclic conjugated hydrocarbons. 2. <i>Journal of Chemical Information and Computer Sciences</i> , 1984, 24, 124-135.	2.8	66
6	Isomer enumeration of nonradical strictly peri-condensed polycyclic aromatic hydrocarbons. <i>Canadian Journal of Chemistry</i> , 1984, 62, 2914-2922.	0.6	50
7	A periodic table for polycyclic aromatic hydrocarbons. <i>Computational and Theoretical Chemistry</i> , 1986, 137, 9-29.	1.5	43
8	A facile Huckel molecular orbital solution of Buckminsterfullerene using chemical graph theory. <i>Journal of Chemical Education</i> , 1989, 66, 1012.	1.1	43
9	Benzenoid series having a constant number of isomers. <i>Journal of Chemical Information and Computer Sciences</i> , 1990, 30, 61-64.	2.8	40
10	Structure and Electronic Characteristics of Coronoid Polycyclic Aromatic Hydrocarbons as Potential Models of Graphite Layers with Hole Defects. <i>Journal of Physical Chemistry A</i> , 2008, 112, 12281-12292.	1.1	40
11	Constant-isomer benzenoid series and their topological characteristics. <i>Theoretica Chimica Acta</i> , 1990, 77, 143-162.	0.9	36
12	Properties and derivation of the fourth and sixth coefficients of the characteristic polynomial of molecular graphs?New graphical invariants. <i>Theoretica Chimica Acta</i> , 1985, 68, 107-123.	0.9	34
13	Fullerenes to benzenoids and the leapfrog algorithm. <i>Chemical Physics Letters</i> , 1993, 204, 486-490.	1.2	34
14	A periodic table for polycyclic aromatic hydrocarbons. <i>Computational and Theoretical Chemistry</i> , 1987, 149, 213-241.	1.5	33
15	<sup>13</sup> C nuclear magnetic resonance data of bile acid derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 53-77.	2.0	33
16	Perimeter Topology of Benzenoid Polycyclic Hydrocarbons. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 562-571.	2.5	33
17	Benzenoid series having a constant number of isomers. 3. Total resonant sextet benzenoids and their topological characteristics. <i>Journal of Chemical Information and Modeling</i> , 1991, 31, 89-96.	2.5	32
18	Structural origin of specific eigenvalues in chemical graphs of planar molecules molecular orbital functional groups. <i>Molecular Physics</i> , 1995, 85, 1043-1060.	0.8	31

#	ARTICLE	IF	CITATIONS
19	Characteristic polynomials and eigenvalues of molecular graphs with a greater than twofold axis of symmetry. Computational and Theoretical Chemistry, 1988, 165, 125-148.	1.5	30
20	Benzenoids to fullerenes and the circumscribing algorithm. Chemical Physics Letters, 1993, 209, 439-444.	1.2	30
21	Total resonant sextet benzenoid hydrocarbon isomers and their molecular orbital and thermodynamic characteristics. Thermochemica Acta, 1987, 122, 313-337.	1.2	29
22	Studies in deciphering the information content of chemical formulas: a comprehensive study of fluorenes and fluoranthenes. Journal of Chemical Information and Computer Sciences, 1992, 32, 2-11.	2.8	29
23	Properties and relationships of right-hand mirror-plane fragments and their eigenvectors: the concept of complementarity of molecular graphs Molecular orbital functional groups-Part 2. Molecular Physics, 1996, 88, 407-417.	0.8	29
24	Periodic table for polycyclic aromatic hydrocarbons. 2. Polycyclic aromatic hydrocarbons containing tetragonal, pentagonal, heptagonal, and octagonal rings. Journal of Chemical Information and Computer Sciences, 1982, 22, 139-152.	2.8	28
25	Facile calculations of the characteristic polynomial and $\pi$ -energy levels of molecules using chemical graph theory. Journal of Chemical Education, 1987, 64, 213.	1.1	28
26	A theoretical study of C <sub>60</sub> benzenoids. Computational and Theoretical Chemistry, 1989, 185, 57-81.	1.5	28
27	A formula periodic table for benzenoid hydrocarbons and the aufbau and excised internal structure concepts in benzenoid enumerations. Journal of Mathematical Chemistry, 1990, 4, 17-29.	0.7	27
28	Valence-Bond Determination of Diradical Character of Polycyclic Aromatic Hydrocarbons: From Acenes to Rectangular Benzenoids. Journal of Physical Chemistry A, 2013, 117, 4716-4725.	1.1	27
29	Benzenoid series having a constant number of isomers. 2. Topological characteristics of strictly pericondensed constant-isomer benzenoid series. Journal of Chemical Information and Modeling, 1990, 30, 251-256.	2.5	26
30	Current status of isomer enumeration of practical benzenoids. Computational and Theoretical Chemistry, 1991, 230, 155-190.	1.5	26
31	Enumeration of benzenoid series having a constant number of isomers. Chemical Physics Letters, 1991, 176, 559-562.	1.2	26
32	SELECTIVE PROTECTION OF THE VARIOUS HYDROXY GROUPS OF CHOLIC ACID AND DERIVATIVES. A REVIEW. Organic Preparations and Procedures International, 1999, 31, 145-166.	0.6	26
33	The polyhex/polypent topological paradigm: regularities in the isomer numbers and topological properties of select subclasses of benzenoid hydrocarbons and related systems. Chemical Society Reviews, 2010, 39, 1913.	18.7	26
34	Mass spectrometry in structural and stereochemical problems—CCXVI: Anomalous cleavage ions in bifunctional compounds resulting from participative interaction. Organic Mass Spectrometry, 1972, 6, 385-406.	1.3	25
35	Series of fluorenoic/fluoranthenic hydrocarbons having a constant number of isomers. Chemical Physics Letters, 1991, 185, 10-15.	1.2	24
36	Electronic and structural properties of biazulene, terazulene, and polyazulene isomers. Journal of Physical Organic Chemistry, 2007, 20, 395-409.	0.9	24

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37	Facile calculations of select eigenvalues and the characteristic polynomial of small molecular graphs containing heteroatoms. <i>Canadian Journal of Chemistry</i> , 1987, 65, 734-739.	0.6	23
38	Notes on constant-isomer series. <i>Journal of Chemical Information and Computer Sciences</i> , 1993, 33, 117-127.	2.8	23
39	Resonance-theoretic calculation of the ground state spin density of the $\pi$ -system of edge atoms on graphene nanodots and nanoribbons. <i>Chemical Physics Letters</i> , 2008, 467, 200-203.	1.2	23
40	Antiaromatic holes in graphene and related graphite defects. <i>Molecular Physics</i> , 2009, 107, 71-80.	0.8	22
41	Deciphering the information content of chemical formulas: chemical and structural characteristics and enumeration of indacenes. <i>Journal of Chemical Information and Computer Sciences</i> , 1992, 32, 203-209.	2.8	21
42	Indacenoid Isomers of Semibuckminsterfullerene (Buckybowl) and Their Topological Characteristics. <i>Journal of Chemical Information and Computer Sciences</i> , 1995, 35, 148-151.	2.8	21
43	Symmetry properties of the leapfrog transformation for fullerenes and benzenoids. <i>Chemical Physics Letters</i> , 1994, 224, 123-130.	1.2	20
44	SYNTHESES OF $\hat{1}\pm$ - AND $\hat{1}^2$ -DIMERS OF LITHOCHOLIC ACID ESTERS. <i>Organic Preparations and Procedures International</i> , 1996, 28, 203-209.	0.6	20
45	Syntheses of Linear Dimeric and Cyclic Oligomeric Cholate Ester Derivatives. <i>Synthesis</i> , 1997, 1997, 425-430.	1.2	20
46	Strongly Subspectral Conjugated Molecular Systems. From Small Molecules to Infinitely Large $\pi$ -Electronic Networks. <i>Journal of Physical Chemistry A</i> , 1997, 101, 7167-7175.	1.1	20
47	Disjoint Molecular Orbitals in Nonalternant Conjugated Diradical Hydrocarbons. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 1494-1501.	2.8	20
48	Enumeration of graphite carbon-bond-network defects having ring sizes ranging from 3 to 9. <i>Carbon</i> , 1984, 22, 107-114.	5.4	19
49	The Most Stable Class of Benzenoid Hydrocarbons and Their Topological Characteristics. Total Resonant Sextet Benzenoids Revisited. <i>Journal of Chemical Information and Computer Sciences</i> , 1999, 39, 144-150.	2.8	19
50	Remarkable Structures of Cyclotri(deoxycholate) and Cyclotetra(24-norcholate) Acetate Esters. <i>Journal of the American Chemical Society</i> , 2002, 124, 4647-4652.	6.6	19
51	The Most Stable Class of Benzenoid Hydrocarbons. New Topological Correlations of Strain-Free Total Resonant Sextet Benzenoids. <i>Journal of Chemical Information and Computer Sciences</i> , 2004, 44, 1210-1220.	2.8	19
52	Synthesis of Cyclocholates and Derivatives. <i>Synthetic Communications</i> , 1997, 27, 757-776.	1.1	18
53	Cyclocholates with 12-Oxo and 7,12-Oxo Groups. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 719-724.	1.2	18
54	Resonance structures of benzenoid conjugated radicals. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 5081-5086.	1.3	18

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55	Constant-isomer benzenoid series and their polyradical subsets. <i>Theoretica Chimica Acta</i> , 1991, 81, 125-138.	0.9	17
56	Search for singlet-triplet bistability or biradicaloid properties in polycyclic conjugated hydrocarbons: a valence-bond analysis. <i>Molecular Physics</i> , 2013, 111, 735-751.	0.8	17
57	Studies Directed toward Synthesis of Quassinoids. III. Selective Hydrolysis of the 3 $\beta$ -Acetate Functional Group of Cholic Acid Derivatives. <i>Synthetic Communications</i> , 1977, 7, 293-297.	1.1	16
58	Deciphering the information content of polycyclic conjugated hydrocarbon formulas - from benzenoids to fullerenes. <i>Tetrahedron</i> , 1993, 49, 9207-9220.	1.0	16
59	A Periodic Table for Polycyclic Aromatic Hydrocarbons. Part V. 1-Factorable, 2-Factorable, and Dewar Graph Structures Associated with Benzenoid Hydrocarbons. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1985, 22, 335-360.	0.4	15
60	A Formula Periodic Table for Benzenoid Hydrocarbons and the Aufbau and Excised Internal Structure Concepts in Benzenoid Enumerations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1989, 44, 765-772.	0.7	15
61	Strain-Free Total Resonant Sextet Benzenoid Hydrocarbons. <i>Polycyclic Aromatic Compounds</i> , 1991, 2, 195-208.	1.4	15
62	The Formula Periodic Table for Benzenoid Hydrocarbons and the Unifying Theory of a Periodic Table Set. <i>Polycyclic Aromatic Compounds</i> , 1994, 4, 87-106.	1.4	15
63	Algorithm for generating fullerenes by circumscribing. <i>Journal of Chemical Information and Computer Sciences</i> , 1994, 34, 248-251.	2.8	15
64	Techniques in facile calculation of molecular orbital parameters and related conceptualizations—molecular orbital functional groups. <i>Computational and Theoretical Chemistry</i> , 1997, 417, 49-67.	1.5	15
65	Study of the origin of subspectrality in molecular graphs. <i>Theoretica Chimica Acta</i> , 1989, 76, 153-171.	0.9	14
66	Nonplanarity Index for Fused Benzenoid Hydrocarbons. <i>Polycyclic Aromatic Compounds</i> , 2014, 34, 161-176.	1.4	14
67	An example molecular orbital calculation using the Sachs graph method. <i>Journal of Chemical Education</i> , 1992, 69, 695.	1.1	13
68	Two-Dimensional Arrays in the Analysis of Trends in Series of Molecules: Strongly Subspectral Molecular Graphs, Formula Periodic Tables, and Number of Resonance Structures. <i>Journal of Chemical Information and Computer Sciences</i> , 2000, 40, 810-815.	2.8	13
69	Determining the Number of Resonance Structures in Concealed Non-Kekuléan Benzenoid Hydrocarbons. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 129-133.	2.8	13
70	A Quantitative Metric for Conjugation in Polyene Hydrocarbons Having a Single Classical Structure. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10822-10836.	1.1	13
71	Synthesis of cyclocholates and derivatives. Part II. Selective synthesis of cyclotetracholates from linear dimers. <i>New Journal of Chemistry</i> , 1998, 22, 579-583.	1.4	12
72	Valence-Bond and Hückel Molecular Orbital Diradicals—Alternant versus Nonalternant Effects. <i>Australian Journal of Chemistry</i> , 2003, 56, 1225.	0.5	12

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73	Correlations and topology of triangular benzenoid hydrocarbons: a comparative study of two series representing the least and most stable benzenoid hydrocarbons. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 94-102.	0.9	11
74	What Do We Know about C <sub>28</sub> H <sub>14</sub> and C <sub>30</sub> H <sub>14</sub> Benzenoid Hydrocarbons and Their Evolution to Related Polymer Strips? <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 788-800.	2.5	11
75	Structure/formula informatics of isomeric sets of fluoranthenoid/fluorenoïd and indacenoïd hydrocarbons. <i>Journal of Mathematical Chemistry</i> , 2010, 48, 313-329.	0.7	11
76	What Do We Know about C <sub>24</sub> H <sub>14</sub> Benzenoid, Fluoranthenoid, and Indacenoïd Hydrocarbons? <i>Polycyclic Aromatic Compounds</i> , 2014, 34, 177-190.	1.4	11
77	Mass spectra of bile acid methyl ester acetate derivatives. <i>Organic Mass Spectrometry</i> , 1978, 13, 402-409.	1.3	10
78	A comprehensive study of isoskeletal analogs of dibenzo[a,c]anthracene. <i>Monatshefte für Chemie</i> , 1990, 121, 13-30.	0.9	10
79	Strain-Free Total Resonant Sextet Benzenoids and Their Antisextet Dualists and Retro-Leapfrogs. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 20-24.	2.5	10
80	Bile Acid-Based Cage Compounds with Lipophilic Outer Shells and Inner Cavities. <i>Organic Letters</i> , 2011, 13, 3064-3067.	2.4	10
81	Synthesis of quassinoids. 5. Conversion of D-ring seco derivatives of cholic acid to $\delta$ -lactones. <i>Journal of Organic Chemistry</i> , 1977, 42, 3584-3588.	1.7	9
82	Generation of Fullerenes by Circumscribing. <i>Zeitschrift für Naturforschung - Section A Journal of Physical Sciences</i> , 1993, 48, 1009-1016.	0.7	9
83	Analysis of $\pi$ -electronic structures of small alternant hydrocarbons to infinitely large polymeric strips: The aufbau principle and end-group effects. <i>International Journal of Quantum Chemistry</i> , 1999, 74, 721-733.	1.0	9
84	Mathematics of Periodic Tables for Benzenoid Hydrocarbons. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 707-715.	2.5	9
85	Notable chenodeoxycholic acid oligomers' synthesis, characterization, and $\pi$ -OR steric hindrance evaluation. <i>Tetrahedron</i> , 2007, 63, 5030-5035.	1.0	9
86	Isomer enumeration of practical benzenoids. <i>Journal of Mathematical Chemistry</i> , 2008, 44, 711-724.	0.7	9
87	On the Spectacular Structural Isomorphism between C <sub>n</sub> H <sub>s</sub> Monoradical and C <sub>n</sub> H <sub>s+3</sub> Diradical Benzenoid Hydrocarbons: From Reactive Intermediates to Vacancy (Hole) Defects in Graphite. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3268-3274.	1.1	9
88	Valence-Bond Determination of Bond Lengths of Polycyclic Aromatic Hydrocarbons: Comparisons with Recent Experimental and Ab Initio Results. <i>Journal of Physical Chemistry A</i> , 2011, 115, 13619-13627.	1.1	9
89	Mass spectral fragmentation of metal dithiocarbamate complex salts. <i>Organic Mass Spectrometry</i> , 1981, 16, 12-16.	1.3	8
90	Benzenoid isomer enumeration and a new topological paradigm. <i>Structural Chemistry</i> , 1992, 3, 389-398.	1.0	8

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91	Title is missing!. Journal of Mathematical Chemistry, 2001, 30, 429-444.	0.7	8
92	Topological properties of circumcoronenes and their associated leapfrog total resonant sextet benzenoids. Computational and Theoretical Chemistry, 2002, 581, 59-69.	1.5	8
93	Investigation of oxygen-free Sonogashira step growth synthesis of mono-terminated di-tert-butyl-substituted oligo(phenylene ethynylene)s (OPEs). Tetrahedron, 2013, 69, 1105-1111.	1.0	8
94	Edge Effects in Benzenoid and Total Resonant Sextet Benzenoid Hydrocarbons and Clar's Sextet Principle. Journal of Physical Chemistry A, 2019, 123, 3229-3238.	1.1	8
95	Bond Resonance Energy Verification of $\pi$ -Aromaticity in Cycloalkanes. Journal of Physical Chemistry A, 2020, 124, 4549-4555.	1.1	8
96	Studies directed toward synthesis of quassinoids. 2. D-ring cleavage of cholic acid derivatives. Journal of Organic Chemistry, 1977, 42, 1613-1616.	1.7	7
97	The current status of isomer enumeration of useful benzenoids and a new topological paradigm. Journal of Physical Organic Chemistry, 1990, 3, 765-783.	0.9	7
98	A theoretical study of $\eta^5$ -hydrocarbon-iron tricarbonyl complexes. Journal of Mathematical Chemistry, 1990, 4, 127-142.	0.7	7
99	Enumeration, theoretical properties, and other aspects of helical polycyclic aromatic hydrocarbons. Computational and Theoretical Chemistry, 1993, 284, 11-22.	1.5	7
100	Formula Periodic Tables Their Construction and Related Symmetries. Journal of Chemical Information and Computer Sciences, 1996, 36, 361-366.	2.8	7
101	Directed toward the Development of a Unified Structure Theory of Polycyclic Conjugated Hydrocarbons: The Aufbau Principle in Structure/Similarity Studies. Journal of Chemical Information and Computer Sciences, 1999, 39, 197-203.	2.8	7
102	PHENYL SUBSTITUTED BENZENOID HYDROCARBONS—RELATIONSHIPS OF THE LEAPFROG ALGORITHM IN REGARD TO CLAR'S SEXTET RULE, STRAIN-FREE, AND PERIMETER TOPOLOGY CONCEPTS. Polycyclic Aromatic Compounds, 2005, 25, 113-127.	1.4	7
103	Aromaticity and cyclic conjugation of three pairs of strongly subspectral series of conjugated molecules as models for graphene armchair and zigzag edges. Molecular Physics, 2010, 108, 3425-3429.	0.8	7
104	New General Formulations for Constant-Isomer Series of Polycyclic Benzenoids. Polycyclic Aromatic Compounds, 2010, 30, 1-8.	1.4	7
105	STUDIES DIRECTED TOWARD SYNTHESIS OF QUASSINOIDS - IV. D-RING CLEAVAGE OF CHOLIC ACID DERIVATIVES - 2. Organic Preparations and Procedures International, 1977, 9, 109-115.	0.6	6
106	Synthesis and comparative spectroscopic analysis of two chenodeoxycholic acid (CDCA) derivatives with closely related $\beta$ -ester moieties. Tetrahedron Letters, 2009, 50, 503-505.	0.7	6
107	Comprehensive study of the correlations that exist among the members of the $[n]$ cyclacene series and the $M$ -cyclacene series. Molecular Physics, 2018, 116, 423-448.	0.8	6
108	Studies directed toward synthesis of quassinoids. $m/z$ mass spectral fragmentation of D-ring seco esters and $\beta$ -lactone derivatives of cholic acid. Organic Mass Spectrometry, 1978, 13, 307-314.	1.3	5

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109	Chemical Applications of Graph Theory. <i>Journal of Chemical Information and Computer Sciences</i> , 1992, 32, 1-1.	2.8	5
110	A Periodic Table for Benzenoid Hydrocarbon Isomer Classes and Beyond. <i>Australian Journal of Chemistry</i> , 2004, 57, 1039.	0.5	5
111	Assessment of the Performance of the Bond Resonance Energy, Circuit Resonance Energy, Magnetic Resonance Energy, Ring Currents, and Aromaticity of Anthracene, Biphenylene, Phenalenyl, and <i>p</i> -Terphenyl. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8482-8497.	1.1	5
112	Mass spectral fragmentation of functionalized lanostanes-I. <i>Organic Mass Spectrometry</i> , 1976, 11, 333-346.	1.3	4
113	Color-Forming Reactions of Benzenoid Hydrocarbons and Related Polycyclics with Concentrated Sulfuric Acid. <i>Polycyclic Aromatic Compounds</i> , 1995, 5, 79-86.	1.4	4
114	Toward a Unified Structure Theory of Polycyclic Conjugated Hydrocarbons - The Aufbau Principle. <i>Polycyclic Aromatic Compounds</i> , 1999, 14, 63-70.	1.4	4
115	Further Developments in Determining the Number of Resonance Structures in Benzenoid Free Radicals: Analytical Expressions and Elementary Substructures. <i>Journal of Chemical Information and Computer Sciences</i> , 2001, 41, 686-691.	2.8	4
116	A Unified Structure Theory for Polycyclic Conjugated Hydrocarbons--A Review of What Every Chemist Should Know!. <i>Polycyclic Aromatic Compounds</i> , 2002, 22, 359-377.	1.4	4
117	<sup>13</sup> C nuclear magnetic resonance data of lanosterol derivatives--Profiling the steric topology of the steroid skeleton via substituent effects on its <sup>13</sup> C NMR. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 1064-1071.	2.0	4
118	Correlations of the Number of Dewar Resonance Structures and Matching Polynomials for the Linear and Zigzag Polyacene Series. <i>Croatica Chemica Acta</i> , 2013, 86, 379-386.	0.1	4
119	Systematic Construction and Calculation of Electronic Properties of Fullerene Series Related by Rotational Symmetry: From Fullerenes to Bicapped Nanotubes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3975-3982.	1.1	4
120	Radialenes are minimally conjugated cyclic $\pi$ -systems. <i>Molecular Physics</i> , 2017, 115, 771-783.	0.8	4
121	Practical Tight-Binding Hückel-Like Modeling of Electronic Properties of Saturated Hydrocarbons: On $\pi$ -Aromaticity of Cyclopropane and Correlations of Alkane Ionization Energies and Enthalpies of Formation Corrected for Protobranching. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6760-6768.	1.1	4
122	SYNTHESIS OF A 3 $\beta$ ,12 $\beta$ -DIMETHOXY-11-KETO DERIVATIVE OF CHOLIC ACID. <i>Organic Preparations and Procedures International</i> , 1979, 11, 287-292.	0.6	3
123	Steroids Containing Aromatic Hydrocarbon Moieties. <i>Polycyclic Aromatic Compounds</i> , 1999, 14, 71-76.	1.4	3
124	Resonance Topology and Related Aspects of Fluoranthenoid / Fluorenoic and Indacenoid Hydrocarbon Radicals. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2002, 57, 650-660.	0.7	3
125	Resonance Topology of Fluoranthenoid/Fluorenoic Hydrocarbons and Related Systems. <i>Polycyclic Aromatic Compounds</i> , 2011, 31, 48-60.	1.4	3
126	Facile calculation of Hückel molecular orbital eigenvalues of short (n,0) nanotubes. <i>Chemical Physics Letters</i> , 2016, 647, 79-84.	1.2	3



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127	Decomposition of Molecules with n-Fold Symmetry. , 1993, , 29-67.		3
128	Directed Toward the Development of a Unified Structure Theory of Polycyclic Conjugated Hydrocarbons - From Benzenoids to Fullerenes. Polycyclic Aromatic Compounds, 1995, 5, 69-77.	1.4	2
129	Molecular Orbital Functional Groups. 3. Subspectrality in the Eigenvalues of Linear Polyene Molecules and Related Aspects. Journal of Chemical Information and Computer Sciences, 1996, 36, 356-360.	2.8	2
130	Number of Resonance Structures of Benzenoid Hydrocarbon Radicals. Polycyclic Aromatic Compounds, 2001, 19, 93-106.	1.4	2
131	DIMERIZATION OF LITHOCHOLATE UNSATURATED ESTERS USING THE "SECOND GENERATION" GRUBBS' REAGENT. Organic Preparations and Procedures International, 2006, 38, 337-340.	0.6	2
132	Conjugation, number of Dewar resonance structures (DSs) in homologous polyzethrene and related conjugated polycyclic hydrocarbon series, and kinked versus straight. Molecular Physics, 2015, 113, 3389-3394.	0.8	2
133	Cycloparaphenylene (CPP) series are molecular models for graphene armchair edges: trends in their aromaticity and cyclic conjugation are evaluated. Molecular Physics, 2020, 118, e1666172.	0.8	2
134	A Unified Structure Theory for Polycyclic Conjugated Hydrocarbons--A Review of What Every Chemist Should Know!. , 0, .		2
135	Mass Spectral Fragmentation of Unsymmetrical Diesters of Malonic Acid and Succinic Acids. Spectroscopy Letters, 1980, 13, 555-566.	0.5	1
136	Note on Algebraic Structure Count. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 761-762.	0.7	1
137	From Small Polyradical Molecules to Infinitely Large $\pi$ -Electronic Networks " Strongly Subspectral molecular Systems. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 909-918.	0.7	1
138	Using Pauling's Expanded Bond Order Concept in Determination of Bond Lengths in Polycyclic Aromatic Compounds Having Numerous Fixed Single and Double Bonds. Polycyclic Aromatic Compounds, 2013, 33, 138-150.	1.4	1
139	Demonstrating a New Valence-Bond Interpretation of $\pi$ Conjugation in Polycyclic Conjugated Hydrocarbons with a Single Kekulé Structure. Polycyclic Aromatic Compounds, 2016, 36, 544-553.	1.4	1
140	Is Phenalenyl Aromatic?. Croatica Chemica Acta, 2020, 92, 467-471.	0.1	1
141	Analysis of $\pi$ -electronic structures of small alternant hydrocarbons to infinitely large polymeric strips: The aufbau principle and end-group effects. , 1999, 74, 721.		1
142	Constant-Isomer Benzenoid Series and a Topological Paradigm. , 0, .		1
143	Teaching of chemistry before and after the periodic table. Foundations of Chemistry, 2020, 22, 99-106.	0.4	1
144	Molecular Modeling Studies of Candidate Chromophores. Polycyclic Aromatic Compounds, 2001, 19, 83-91.	1.4	0

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145	Constant-Isomer Benzenoid Series and a Topological Paradigm. Polycyclic Aromatic Compounds, 2002, 22, 353-357.	1.4	0
146	The Most Stable Class of Benzenoid Hydrocarbons " New Topological Correlations of Strain-Free Total Resonant Sextet Benzenoids.. ChemInform, 2004, 35, no.	0.1	0