

R Bruce King

List of Publications by Year in descending order

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87886

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437
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437
docs citations

437
times ranked

3673
citing authors

#	ARTICLE	IF	CITATIONS
1	A Stable Neutral Diborene Containing a BB Double Bond. <i>Journal of the American Chemical Society</i> , 2007, 129, 12412-12413.	13.7	508
2	Three-Dimensional Aromaticity in Polyhedral Boranes and Related Molecules. <i>Chemical Reviews</i> , 2001, 101, 1119-1152.	47.7	450
3	Spherical Aromaticity: A Recent Work on Fullerenes, Polyhedral Boranes, and Related Structures. <i>Chemical Reviews</i> , 2005, 105, 3613-3642.	47.7	436
4	Chemical applications of group theory and topology. 7. A graph-theoretical interpretation of the bonding topology in polyhedral boranes, carboranes, and metal clusters. <i>Journal of the American Chemical Society</i> , 1977, 99, 7834-7840.	13.7	232
5	Applications of metal carbonyl anions in the synthesis of unusual organometallic compounds. <i>Accounts of Chemical Research</i> , 1970, 3, 417-427.	15.6	223
6	On the Chemistry of Zn ^η Zn Bonds, RZn ^η ZnR (R = [(2,6-Pri ₂ C ₆ H ₃)N(Me)C] ₂ CH]): Synthesis, Structure, and Computations. <i>Journal of the American Chemical Society</i> , 2005, 127, 11944-11945.	13.7	193
7	Remarkable Aspects of Unsaturation in Trinuclear Metal Carbonyl Clusters: The Triiron Species Fe ₃ (CO) _n (n = 12, 11, 10, 9). <i>Journal of the American Chemical Society</i> , 2006, 128, 11376-11384.	13.7	181
8	Butterfly Diradical Intermediates in Photochemical Reactions of Fe ₂ (CO) ₆ (1/4-S ₂). <i>Journal of the American Chemical Society</i> , 2006, 128, 5342-5343.	13.7	136
9	Organometallic Chemistry of the Transition Metals. XVI. Polynuclear Cyclopentadienylmetal Carbonyls of Iron and Cobalt. <i>Inorganic Chemistry</i> , 1966, 5, 2227-2230.	4.0	135
10	Binuclear Homoleptic Iron Carbonyls: Incorporation of Formal Iron ^η Iron Single, Double, Triple, and Quadruple Bonds, Fe ₂ (CO) _x (x = 9, 8, 7, 6). <i>Journal of the American Chemical Society</i> , 2000, 122, 8746-8761.	13.7	131
11	Chemistry of the Metal Carbonyls. XIV. New Organosulfur Derivatives of Iron and Cobalt 1,2. <i>Journal of the American Chemical Society</i> , 1961, 83, 3600-3604.	13.7	119
12	Organosulfur Derivatives of Metal Carbonyls. I. The Isolation of Two Isomeric Products in the Reaction of Triiron Dodecacarbonyl with Dimethyl Disulfide. <i>Journal of the American Chemical Society</i> , 1962, 84, 2460-2460.	13.7	115
13	The Dichotomy of Dimetalocenes: Coaxial versus Perpendicular Dimetal Units in Sandwich Compounds. <i>Journal of the American Chemical Society</i> , 2005, 127, 2818-2819.	13.7	113
14	Metal-Metal (MM) Bond Distances and Bond Orders in Binuclear Metal Complexes of the First Row Transition Metals Titanium Through Zinc. <i>Chemical Reviews</i> , 2018, 118, 11626-11706.	47.7	106
15	Binuclear Cyclopentadienylcobalt Carbonyls: Comparison with Binuclear Iron Carbonyls. <i>Journal of the American Chemical Society</i> , 2005, 127, 11646-11651.	13.7	100
16	Discovery of a silicon-based ferrimagnetic wheel structure in V _x Si ₁₂ (x = 1-3) clusters: photoelectron spectroscopy and density functional theory investigation. <i>Nanoscale</i> , 2014, 6, 14617-14621.	5.6	99
17	η ⁵ -CYCLOPENTADIENYL-η ⁷ -CYCLOHEPTATRIENYL VANADIUM. <i>Journal of the American Chemical Society</i> , 1959, 81, 5263-5264.	13.7	84
18	Antiaromaticity in Bare Deltahedral Silicon Clusters Satisfying Wade's and Hirsch's Rules: An Apparent Correlation of Antiaromaticity with High Symmetry. <i>Journal of the American Chemical Society</i> , 2004, 126, 430-431.	13.7	82

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19	Topological Aspects of the Skeletal Bonding in δ -Metalloboranes Containing Anomalous Numbers of Skeletal Electrons. <i>Inorganic Chemistry</i> , 1999, 38, 5151-5153.	4.0	79
20	Organometallic Chemistry of the Transition Metals. VI. Some Cycloheptatrienyl Derivatives of Chromium, Molybdenum, and Cobalt. <i>Inorganic Chemistry</i> , 1964, 3, 785-790.	4.0	76
21	Cobalt Multiple Bonds in Homoleptic Carbonyls? $\text{Co}_2(\text{CO})_x$ ($x = 5-8$) Structures, Energetics, and Vibrational Spectra. <i>Inorganic Chemistry</i> , 2001, 40, 900-911.	4.0	74
22	Organonitrogen derivatives of metal carbonyls. IX. Novel products from reactions of aminoalkynes with metal carbonyls. <i>Inorganic Chemistry</i> , 1976, 15, 879-885.	4.0	73
23	Alkylaminobis(difluorophosphines): novel bidentate ligands for stabilizing low metal oxidation states and metal-metal bonded systems. <i>Accounts of Chemical Research</i> , 1980, 13, 243-248.	15.6	72
24	Transition Metal Cluster Compounds. <i>Progress in Inorganic Chemistry</i> , 2007, , 287-473.	3.0	71
25	Homoleptic Carbonyls of the Second-Row Transition Metals: Evaluation of Hartree-Fock and Density Functional Theory Methods. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 1580-1587.	5.3	71
26	B_{28} : the smallest all-boron cage from an ab initio global search. <i>Nanoscale</i> , 2015, 7, 15086-15090.	5.6	65
27	Binuclear Homoleptic Nickel Carbonyls: Incorporation of Ni-Ni Single, Double, and Triple Bonds, $\text{Ni}_2(\text{CO})_x$ ($x = 5, 6, 7$). <i>Journal of the American Chemical Society</i> , 2000, 122, 1989-1994.	13.7	61
28	Symmetry factoring of the characteristic equations of graphs corresponding to polyhedra. <i>Theoretica Chimica Acta</i> , 1977, 44, 223-243.	0.8	55
29	Structure and Bonding in the Omnicapped Truncated Tetrahedral Au_{20} Cluster: Analogies between Gold and Carbon Cluster Chemistry. <i>Inorganic Chemistry</i> , 2004, 43, 4564-4566.	4.0	54
30	CHEMISTRY OF THE METAL CARBONYLS. X. TETRACARBONYLNITROSYLMANGANESE(0) _{1,2} . <i>Journal of the American Chemical Society</i> , 1961, 83, 2593-2594.	13.7	51
31	Binuclear Homoleptic Manganese Carbonyls: $\text{Mn}_2(\text{CO})_x$ ($x = 10, 9, 8, 7$). <i>Inorganic Chemistry</i> , 2003, 42, 5219-5230.	4.0	51
32	Oblate Deltahedra in Dimetalloboranes: Geometry and Chemical Bonding. <i>Inorganic Chemistry</i> , 2006, 45, 8211-8216.	4.0	50
33	Unsaturation in Binuclear Cyclopentadienyliron Carbonyls. <i>Inorganic Chemistry</i> , 2006, 45, 3384-3392.	4.0	48
34	Boron clusters with 46, 48, and 50 atoms: competition among the core-shell, bilayer and quasi-planar structures. <i>Nanoscale</i> , 2017, 9, 13905-13909.	5.6	47
35	Dual Relationship between Large Gold Clusters (Antifullerenes) and Carbon Fullerenes: A New Lowest-Energy Cage Structure for Au_{50} . <i>Journal of Physical Chemistry A</i> , 2007, 111, 411-414.	2.5	43
36	Density Functional Theory Study of Nine-Atom Germanium Clusters: Effect of Electron Count on Cluster Geometry. <i>Inorganic Chemistry</i> , 2003, 42, 6701-6708.	4.0	42

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37	Organonitrogen derivatives of metal carbonyls. VI. Novel products reactions of 2-bromo-2-nitrosopropane with metal carbonylanions. <i>Inorganic Chemistry</i> , 1974, 13, 1339-1342.	4.0	41
38	Poly(tertiary phosphines and arsines). 21. Metal carbonyl complexes of bis(dimethylphosphino)methane. <i>Inorganic Chemistry</i> , 1984, 23, 2482-2491.	4.0	41
39	Dialkylaminodichlorophosphines. Synthesis and Reactivity in <i>Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1985, 15, 149-153.	1.8	40
40	Chemistry of the Metal Carbonyls. III. The Reaction between Iron Pentacarbonyl and Tetraorganotin Compounds ^{1,2} . <i>Journal of the American Chemical Society</i> , 1960, 82, 3833-3835.	13.7	39
41	Spectroscopic Detection and Theoretical Confirmation of the Role of Cr ₂ (CO) ₅ (C ₅ R ₅) ₂ and λ -Cr(CO) ₂ (ketene)(C ₅ R ₅) as Intermediates in Carbonylation of NNCHSiMe ₃ to OCCHSiMe ₃ by λ -Cr(CO) ₃ (C ₅ R ₅) (R = H, CH ₃). <i>Journal of the American Chemical Society</i> , 2007, 129, 14388-14400.	13.7	38
42	The role of σ -external lone pairs in the chemical bonding of bare post-transition element clusters: the Wade-Mingos rules versus the jellium model. <i>Dalton Transactions</i> , 2008, , 6083.	3.3	38
43	Flat Potential Energy Surface of the Saturated Binuclear Homoleptic Chromium Carbonyl Cr ₂ (CO) ₁₁ with One, Two, and Three Bridging Carbonyls: Comparison with the Well-Known [HCr ₂ (CO) ₁₀] ⁻ Anion and the Related [($\frac{1}{4}$ -H) ₂ Cr ₂ (CO) ₉] ²⁻ and [($\frac{1}{4}$ -H) ₂ Cr ₂ (CO) ₈] ²⁻ Dianions. <i>Journal of Physical Chemistry A</i> , 2001, 105, 11134-11143.	2.5	37
44	Density Functional Theory Study of 10-Atom Germanium Clusters: Effect of Electron Count on Cluster Geometry. <i>Inorganic Chemistry</i> , 2006, 45, 4974-4981.	4.0	36
45	Antimony and Bismuth Oxide Clusters: Growth and Decomposition of New Magic Number Clusters. <i>Journal of Physical Chemistry A</i> , 1997, 101, 6214-6221.	2.5	35
46	Organometallic Chemistry of the Transition Metals. IX. Reactions between Metal Carbonyls and Dimethylaminofulvenes. <i>Inorganic Chemistry</i> , 1964, 3, 801-807.	4.0	34
47	Some Aspects of Structure and Bonding in Binary and Ternary Uranium(VI) Oxides. <i>Chemistry of Materials</i> , 2002, 14, 3628-3635.	6.7	33
48	Bonding of Seven Carbonyl Groups to a Single Metal Atom: Theoretical Study of M(CO) _n (M = Ti, Zr, Hf; n = 7, 6, 5, 4). <i>Journal of the American Chemical Society</i> , 2008, 130, 7756-7765.	13.7	31
49	A density functional theory study of five-, six- and seven-atom germanium clusters: distortions from ideal bipyramidal deltahedra in hypoelectronic structures. <i>Dalton Transactions RSC</i> , 2002, , 3999-4004.	2.3	30
50	Metal-Metal Quintuple and Sextuple Bonding in Bent Dimetalloenes of the Third Row Transition Metals. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 735-746.	5.3	30
51	Complete substitution of carbonyl groups in cyclopentadienyliron dicarbonyl dimer by methylaminobis(difluorophosphine). A novel bridging CH ₃ NPF ₂ ligand bonded to metals through both phosphorus and nitrogen. <i>Journal of the American Chemical Society</i> , 1978, 100, 1632-1634.	13.7	29
52	Chromium-Chromium Multiple Bonding in Cr ₂ (CO) ₉ . <i>Journal of Physical Chemistry A</i> , 2003, 107, 10118-10125.	2.5	28
53	Interplay between Two-Electron and Four-Electron Donor Carbonyl Groups in Oxophilic Metal Systems: A Highly Unsaturated Divanadocene Carbonyls. <i>Journal of the American Chemical Society</i> , 2007, 129, 3433-3443.	13.7	28
54	Endohedral Nickel, Palladium, and Platinum Atoms in 10-Vertex Germanium Clusters: Competition between Bicapped Square Antiprismatic and Pentagonal Prismatic Structures. <i>Journal of Physical Chemistry A</i> , 2009, 113, 527-533.	2.5	28

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55	Mass spectra of organometallic compoundsâ€”IX: Compounds with metal-metal bonds. <i>Organic Mass Spectrometry</i> , 1969, 2, 657-679.	1.3	27
56	Defective Vertices in closo- and nido-Borane Polyhedra. <i>Inorganic Chemistry</i> , 2001, 40, 6369-6374.	4.0	27
57	Density Functional Theory Study of 11-Atom Germanium Clusters:â€” Effect of Electron Count on Cluster Geometry. <i>Inorganic Chemistry</i> , 2005, 44, 3579-3588.	4.0	27
58	Bis(cycloheptatrienyl) Derivatives of the First-Row Transition Metals: Variable Hapticity of the Cycloheptatrienyl Ring. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3698-3708.	2.0	27
59	Hypoelectronic Dirhenaboranes Having Eight to Twelve Vertices: Internal Versus Surface Rheniumâ€”Rhenium Bonding. <i>Inorganic Chemistry</i> , 2012, 51, 7609-7616.	4.0	27
60	Structures and electronic properties of B ₃ Si ⁿ⁺ (n = 4â€”10) clusters: A combined <i>ab initio</i> and experimental study. <i>Journal of Chemical Physics</i> , 2017, 146, 044306.	3.0	27
61	Metal complexes of fluorophosphines. 10. Mononuclear and binuclear chromium, molybdenum, and tungsten carbonyl derivatives of (alkylamino)bis(difluorophosphines). <i>Inorganic Chemistry</i> , 1982, 21, 319-329.	4.0	26
62	Chemical Applications of Topology and Group Theory. 29. Low Density Polymeric Carbon Allotropes Based on Negative Curvature Structures 1. <i>The Journal of Physical Chemistry</i> , 1996, 100, 15096-15104.	2.9	26
63	The isolable matryoshka nesting doll icosahedral cluster [As@Ni ₁₂ @As ₂₀] ₃ as a â€”superatomâ€” analogy with the jellium cluster Al ₁₃ generated in the gas phase by laser vaporization. <i>Chemical Communications</i> , 2006, , 4204-4205.	4.1	26
64	Unsaturated Binuclear Cyclopentadienylmanganese Carbonyl Derivatives Related to Cymantrene. <i>Organometallics</i> , 2008, 27, 61-66.	2.3	26
65	Unsaturated binuclear homoleptic metal carbonyls M ₂ (CO) _x (M = Fe, Co, Ni; x = 5, 6, 7, 8). Are multiple bonds between transition metals possible for these molecules?. <i>Pure and Applied Chemistry</i> , 2001, 73, 1059-1073.	1.9	25
66	Limited Occurrence of <i>Isocloso</i> Deltahedra with 9 to 12 Vertices in Low-Energy Hypoelectronic Diferradicalborane Structures. <i>Inorganic Chemistry</i> , 2011, 50, 9571-9577.	4.0	25
67	Au ₁₀ ²⁺ : A Tetrahedral Cluster Exhibiting Spherical Aromaticity. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3335-3337.	4.6	25
68	Binuclear Homoleptic Copper Carbonyls Cu ₂ (CO) _x (x = 1â”6): Remarkable Structures Contrasting Metalâ”Metal Multiple Bonding with Low-Dimensional Copper Bonding Manifolds. <i>Inorganic Chemistry</i> , 2001, 40, 5842-5850.	4.0	24
69	Prospects for Making Organometallic Compounds with BF Ligands: Fluoroborylene Iron Carbonyls. <i>Inorganic Chemistry</i> , 2010, 49, 1046-1055.	4.0	24
70	The rule breaking Cr ₂ (CO) ₁₀ . A 17 electron Cr system or a Crâ€”Cr double bond?. <i>Faraday Discussions</i> , 2003, 124, 315-329.	3.2	23
71	Density functional theory study of eight-atom germanium clusters: effect of electron count on cluster geometry. <i>Dalton Transactions</i> , 2005, , 1858.	3.3	23
72	Density functional theory study of twelve-atom germanium clusters: conflict between the Wadeâ€”Mingos rules and optimum vertex degrees. <i>Dalton Transactions</i> , 2007, , 364-372.	3.3	23

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73	Design of Three-shell Icosahedral Matryoshka Clusters $A@B_{12}@A_{20}$ ($A = \text{Sn, Pb}$; $B = \text{Mg, Zn, Cd, Mn}$). <i>Scientific Reports</i> , 2014, 4, 6915.	3.3	23
74	Aromatic and antiaromatic spherical structures: use of long-range magnetic behavior as an aromatic indicator for bare icosahedral $[Al@Al_{12}]^{+}$ and $[Si_{12}]^{2+}$ clusters. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15667-15670.	2.8	23
75	Formation of Spherical Aromatic Endohedral Metallic Fullerenes. Evaluation of Magnetic Properties of $M@C_{28}$ ($M = \text{Ti, Zr, and Hf}$) from DFT calculations. <i>Inorganic Chemistry</i> , 2017, 56, 15251-15258.	4.0	22
76	The Shapes of Coordination Polyhedra. <i>Journal of Chemical Education</i> , 1996, 73, 993.	2.3	21
77	Distortions from Octahedral Symmetry in Hypoelectronic Six-Vertex Polyhedral Clusters of the Group 13 Elements Boron, Indium, and Thallium as Studied by Density Functional Theory. <i>Inorganic Chemistry</i> , 2001, 40, 2450-2452.	4.0	21
78	Evaluation of bonding, electron affinity, and optical properties of $M@C_{28}$ ($M = \text{Zr, Hf, Th}$). <i>Journal of Computational Chemistry</i> , 2017, 38, 44-50.	3.3	21
79	Polyhedral Structures with Three-, Four-, and Five Fold Symmetry in Metal-Centered Ten-Vertex Germanium Clusters. <i>Chemistry - A European Journal</i> , 2008, 14, 4542-4550.	3.3	20
80	Tetrakis[methylaminobis(difluorophosphine)]carbonyldiiron: unsymmetrical bonding of methylaminobis(difluorophosphine) to a pair of transition metals involving phosphorus-nitrogen bond cleavage. <i>Journal of the American Chemical Society</i> , 1978, 100, 326-327.	13.7	19
81	Chemical applications of topology and group theory. 23. A comparison of graph-theoretical and extended Hückel methods for study of bonding in octahedral and icosahedral boranes. <i>Journal of Computational Chemistry</i> , 1987, 8, 341-349.	3.3	19
82	Chemical applications of topology and group theory: 37. Pentalene as a ligand in transition metal sandwich complexes. <i>Applied Organometallic Chemistry</i> , 2003, 17, 393-397.	3.5	19
83	Unsaturation in Binuclear Cyclobutadiene Iron Carbonyls: Triplet Structures, Four-Electron Bridging Carbonyl Groups, and Perpendicular Structures. <i>Organometallics</i> , 2008, 27, 3113-3123.	2.3	19
84	The Unique Palladium-Centered Pentagonal Antiprismatic Cationic Bismuth Cluster: A Comparison of Related Metal-Centered 10-Vertex Pnictogen Cluster Structures by Density Functional Theory. <i>Inorganic Chemistry</i> , 2009, 48, 8508-8514.	4.0	19
85	Kinetic versus Thermodynamic Isomers of the Deltahedral Cobaltadicarbaboranes. <i>Inorganic Chemistry</i> , 2009, 48, 5088-5095.	4.0	19
86	Coupling of Fluoroborylene Ligands To Give a Viable Cyclopentadienyliron Carbonyl Complex of Difluorodiborene (FB_2BF). <i>Organometallics</i> , 2011, 30, 5084-5087.	2.3	19
87	Au_{20} . Effect of a Strong Tetrahedral Field in a Spherical Concentric Bonding Shell Model. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5848-5853.	3.1	19
88	X-Ray crystal and molecular structure of $[Et_2NCF_3]_2$: an example of the division of an alkyne into two separate units by rupture of the $C\equiv C$ bond. <i>Journal of the Chemical Society Chemical Communications</i> , 1977, , 30-31.	2.0	18
89	Chemical Applications of Topology and Group Theory. 33. Symmetry-Forbidden Coordination Polyhedra for Spherical Atomic Orbital Manifolds. <i>Inorganic Chemistry</i> , 1998, 37, 3057-3059.	4.0	18
90	Endohedral nickel and palladium atoms in metal clusters: analogy to endohedral noble gas atoms in fullerenes in polyhedra with five-fold symmetry. <i>Dalton Transactions</i> , 2004, , 3420.	3.3	18

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91	Structure Evolution of Transition Metal-doped Gold Clusters $M@Au_{12}$ ($M = 3d-5d$): Across the Periodic Table. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7449-7457.	3.1	18
92	Metal-metal interactions in deltahedral dirhoda- and diiridadicarbaboranes. <i>Inorganica Chimica Acta</i> , 2013, 397, 83-87.	2.4	17
93	Revisit of large-gap Si_{16} clusters encapsulating group IV metal atoms (Ti, Zr, Hf). <i>Journal of Computational Chemistry</i> , 2018, 39, 2268-2272.	3.3	17
94	Chemical applications of topology and group theory. <i>Theoretica Chimica Acta</i> , 1986, 69, 1-10.	0.8	16
95	The Chirality of Icosahedral Fullerenes: a Comparison of the Tripling (leapfrog), Quadrupling (chamfering), and Septupling (capra) Transformations. <i>Journal of Mathematical Chemistry</i> , 2006, 39, 597-604.	1.5	16
96	Chemical applications of topology and group theory. <i>Theoretica Chimica Acta</i> , 1983, 63, 323-338.	0.8	15
97	Graph theory in the study of metal cluster bonding topology: Applications to metal clusters having fused polyhedra. <i>International Journal of Quantum Chemistry</i> , 1986, 30, 227-238.	2.0	15
98	Binuclear Vanadium Carbonyls: The Limits of the 18-Electron Rule. <i>Inorganic Chemistry</i> , 2007, 46, 1803-1816.	4.0	15
99	Unsaturation in Binuclear (Cyclobutadiene)cobalt Carbonyls with Axial and Perpendicular Structures: Comparison with Isoelectronic Binuclear Cyclopentadienyliron Carbonyls. <i>Organometallics</i> , 2007, 26, 1393-1401.	2.3	15
100	Effects of halogen substitution on the properties of eight- and nine-vertex closo-boranes. <i>Dalton Transactions</i> , 2008, , 1745.	3.3	15
101	Unsaturation and Variable Hapticity in Binuclear Azulene Iron Carbonyl Complexes. <i>Organometallics</i> , 2010, 29, 630-641.	2.3	15
102	Possibilities for Titanium-Titanium Multiple Bonding in Binuclear Cyclopentadienyltitanium Carbonyls: 16-Electron Metal Configurations and Four-Electron Donor Bridging Carbonyl Groups as Alternatives. <i>Inorganic Chemistry</i> , 2010, 49, 1961-1975.	4.0	15
103	Mixed Sandwich Compounds $C_5H_5MC_8H_8$ of the First-Row Transition Metals: Variable Hapticity of the Eight-Membered Ring. <i>Organometallics</i> , 2010, 29, 1934-1941.	2.3	15
104	The Quest for Metal-Metal Quadruple and Quintuple Bonds in Metal Carbonyl Derivatives: $Nb_2(CO)_9$ and $Nb_2(CO)_8$. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 862-874.	5.3	15
105	Extreme Metal Carbonyl Back Bonding in Cyclopentadienylthorium Carbonyls Generates Bridging C_2O_2 Ligands by Carbonyl Coupling. <i>Inorganic Chemistry</i> , 2013, 52, 6893-6904.	4.0	15
106	Metallocene versus Metallabenzene Isomers of Nickel, Palladium, and Platinum. <i>Organometallics</i> , 2014, 33, 7193-7198.	2.3	15
107	$M@C_{50}$ as Higher Intermediates towards Large Endohedral Metallofullerenes: Theoretical Characterization, Aromatic and Bonding Properties from Relativistic DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1429-1443.	3.1	15
108	Mass spectra of organometallic compounds-XI: Pyrrolyl, indenyl and fluorenyl derivatives of manganese carbonyl. <i>Organic Mass Spectrometry</i> , 1970, 3, 1227-1232.	1.3	14

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109	Mass spectra of organometallic compoundsâ€™XIII: Metal carbonyl complexes of tris(dimethylamino)arsine. <i>Organic Mass Spectrometry</i> , 1971, 5, 939-944.	1.3	14
110	Noble Metal Catalyzed Hydrogen Generation from Formic Acid in Nitrite-Containing Simulated Nuclear Waste Media. <i>Environmental Science & Technology</i> , 1996, 30, 1292-1299.	10.0	14
111	Chemical Structure and Superconductivity. <i>Journal of Chemical Information and Computer Sciences</i> , 1999, 39, 180-191.	2.8	14
112	The Highly Unsaturated Binuclear Chromium Carbonyl Cr ₂ (CO) ₈ . <i>Journal of Physical Chemistry A</i> , 2004, 108, 6879-6885.	2.5	14
113	Binuclear and Trinuclear Chromium Carbonyls with Linear Bridging Carbonyl Groups: Isocarbonyl versus Carbonyl Bonding of Carbon Monoxide Ligands. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4672-4679.	2.5	14
114	Trifluorosulfane Ligand as an Analogue of the Nitrosyl Ligand: Highly Exothermic Fluorine Transfer Reactions from Sulfur to Metal in the Chemistry of SF ₃ Metal Carbonyls of the First Row Transition Metals. <i>Inorganic Chemistry</i> , 2011, 50, 2824-2835.	4.0	14
115	Binuclear iron boronyl carbonyls isoelectronic with the well-known decacarbonyldimanganese. <i>New Journal of Chemistry</i> , 2012, 36, 1022.	2.8	14
116	A new type of sandwich compound: homoleptic bis(trimethylenemethane) complexes of the first row transition metals. <i>New Journal of Chemistry</i> , 2013, 37, 1545.	2.8	14
117	Coaxial versus perpendicular structures for a range of binuclear cyclopentadienylpalladium derivatives. <i>New Journal of Chemistry</i> , 2013, 37, 775.	2.8	14
118	Pathways to the Polymerization of Boron Monoxide Dimer To Give Low-Density Porous Materials Containing Six-Membered Boroxine Rings. <i>Inorganic Chemistry</i> , 2015, 54, 2910-2915.	4.0	14
119	On the formation of smaller <i>p</i> -block endohedral fullerenes: Bonding analysis in the E@C ₂₀ (E=Si, Ge, Sn, Pb) series from relativistic DFT calculations. <i>Journal of Computational Chemistry</i> , 2017, 38, 1661-1667.	3.3	14
120	Au ₁₀₂ ⁺ and Au ₆ X ₄₂ ⁺ clusters: Superatomic molecules bearing an SP ³ -hybrid Au ₆ core. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25331.	2.0	14
121	Mass spectra of organometallic compoundsâ€™VIII. Some transition metal organometallic halide derivatives. <i>Organic Mass Spectrometry</i> , 1969, 2, 401-412.	1.3	13
122	Chirality polynomials. <i>Journal of Mathematical Chemistry</i> , 1988, 2, 89-115.	1.5	13
123	Chemical Applications of Topology and Group Theory. 31. Atomic Orbital Graphs and the Shapes of the g and h Orbitals. <i>Journal of Physical Chemistry A</i> , 1997, 101, 4653-4656.	2.5	13
124	Chemical Bonding Topology of Ternary Transition Metal-Centered Bismuth Cluster Halides: From Molecules to Metals. <i>Inorganic Chemistry</i> , 2003, 42, 8755-8761.	4.0	13
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