Martin Breza

List of Publications by Year
in descending order

181	1,869	331670 21	434195 31
papers	citations	h-index	g-index

191	191	191	2018
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of Radicals and Singlet Oxygen in Photoactivated DNA Cleavage by the Anticancer Drug Camptothecin:Â An Electron Paramagnetic Resonance Study. Journal of Physical Chemistry B, 2003, 107, 2415-2425.	2.6	70
2	Copper(II) Complexes with Schiff Bases Containing a Disiloxane Unit: Synthesis, Structure, Bonding Features and Catalytic Activity for Aerobic Oxidation of Benzyl Alcohol. European Journal of Inorganic Chemistry, 2013, 2013, 1458-1474.	2.0	58
3	Vanadium(V) Complexes with Substituted 1,5-bis(2-hydroxybenzaldehyde)carbohydrazones and Their Use As Catalyst Precursors in Oxidation of Cyclohexane. Inorganic Chemistry, 2016, 55, 9187-9203.	4.0	49
4	A Supramolecular Approach to Structure-Based Design with A Focus on Synthons Hierarchy in Ornithine-Derived Ligands: Review, Synthesis, Experimental and in Silico Studies. Molecules, 2020, 25, 1135.	3.8	45
5	Syntheses, Electronic Structures, and EPR/UVâˆ'Visâˆ'NIR Spectroelectrochemistry of Nickel(II), Copper(II), and Zinc(II) Complexes with a Tetradentate Ligand Based on S-Methylisothiosemicarbazide. Inorganic Chemistry, 2011, 50, 2918-2931.	4.0	43
6	Spectroscopic and Computational Studies of Spin States of Iron(IV) Nitrido and Imido Complexes. Inorganic Chemistry, 2017, 56, 4751-4768.	4.0	41
7	Photocatalytic hydroxylation of benzoic acid in aqueous titanium dioxide suspension. Journal of Photochemistry and Photobiology A: Chemistry, 1991, 59, 385-391.	3.9	40
8	A variety of oxidation products of antioxidants based on N,Nâ€²-substituted p-phenylenediamines. Polymer Degradation and Stability, 2009, 94, 1457-1466.	5.8	40
9	The electronic structure of planar phosphazene rings. Polyhedron, 2000, 19, 389-397.	2.2	39
10	The spectroscopic and structural properties of copper(II) complexes of the novel tridentate (ONO) pyridine N-oxide ligand Hpoxap. Polyhedron, 2002, 21, 1561-1571.	2.2	38
11	On the dependence of optical properties on conformational changes in oligothiophenes I. Electron absorption spectra. Computational and Theoretical Chemistry, 2001, 572, 151-160.	1.5	32
12	DFT studies of the effectiveness of p-phenylenediamine antioxidants through their Cu(II) coordination ability. Polymer Degradation and Stability, 2016, 128, 15-21.	5.8	30
13	Redox Reactions of Nickel, Copper, and Cobalt Complexes with â€œNoninnocentâ€•Dithiolate Ligands: Combined in Situ Spectroelectrochemical and Theoretical Study. Organometallics, 2014, 33, 4846-4859.	2.3	29
14	Charge and Spin States in Schiff Base Metal Complexes with a Disiloxane Unit Exhibiting a Strong Noninnocent Ligand Character: Synthesis, Structure, Spectroelectrochemistry, and Theoretical Calculations. Inorganic Chemistry, 2015, 54, 5691-5706.	4.0	29
15	Shape memory effect of dehydrochlorinated crosslinked poly(vinyl chloride). Macromolecular Chemistry and Physics, 1997, 198, 3161-3172.	2.2	28
16	QTAIM study of transition metal complexes with cyclophosphazene-based multisite ligands I: Zinc(II) and nickel(II) complexes. Polyhedron, 2009, 28, 521-524.	2.2	27
17	Synthesis of Branchedâ€Chain Sugars with a DHAPâ€Dependent Aldolase: Ketones are Electrophile Substrates of Rhamnuloseâ€1â€phosphate Aldolases. Angewandte Chemie - International Edition, 2018, 57, 5467-5471.	13.8	23
18	On bonding in cyclic triphosphazenes. Computational and Theoretical Chemistry, 2000, 505, 169-177.	1.5	22

#	Article	IF	Citations
19	Application of the Gouldâ€“Jacobs reaction to 4-amino-2,1,3-benzoselenadiazole. Tetrahedron, 2010, 66, 8169-8174.	1.9	22
20	Marked Stabilization of Redox States and Enhanced Catalytic Activity in Galactose Oxidase Models Based on Transition Metal S-Methylisothiosemicarbazonates with â^'SR Group in Ortho Position to the Phenolic Oxygen. Inorganic Chemistry, 2013, 52, 7524-7540.	4.0	22
21	Ligand Substituent Effects in Manganese Pyridinophane Complexes: Implications for Oxygen-Evolving Catalysis. Inorganic Chemistry, 2017, 56, 14315-14325.	4.0	22
22	Vibronic interactions in the stereochemistry of metal complexes. Structure and Bonding, 1989, , 57-97.	1.0	21
23	On the dehydrogenation of N,Nâ€²-substituted p-phenylenediamine antioxidants. I. N-Phenyl-Nâ€²-isopropyl-p-phenylenediamine (IPPD). Polymer Degradation and Stability, 2006, 91, 1775-1780.	5.8	20
24	On the dehydrogenation of N,Nâ€²-substituted p-phenylenediamine antioxidants. Vibrational Spectroscopy, 2007, 44, 1-8.	2.2	20
25	Structural, magnetic and quantum-chemical study of dinuclear copper(II) thiophenecarboxylate and furancarboxylate complexes. Polyhedron, 2014, 81, 216-226.	2.2	20
26	A five-coordinate manganese(<scp>iii</scp>) complex of a salen type ligand with a positive axial anisotropy parameter D. Dalton Transactions, 2017, 46, 11817-11829.	3.3	20
27	Dichotomy in the Ring Opening Reaction of 5-[(2-Furyl)methylidene]-2,2-dimethyl-1,3-dioxane-4,6-dione with Cyclic Secondary Amines. Collection of Czechoslovak Chemical Communications, 2000, 65, 1911-1938.	1.0	19
28	Electronic structure of the nickel(II) complex of the Schiff base of (S)-N-(2-benzoylphenyl)-1-benzylprolinamide and glycine. Acta Crystallographica Section A: Foundations and Advances, 2004, 60, 510-516.	0.3	19
29	On shape dependence of the toxicity of rutile nanoparticles. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	19
30	On the Electronic Structure of mer,transâ€[RuCl₃(1Hâ€indazole)₂(NO)], a Hypothetical Metabolite of the Antitumor Drug Candidate KP1019: An Experimental and DFT Study. European Journal of Inorganic Chemistry, 2013, 2013, 2505-2519.	2.0	18
31	DFT studies of the effectiveness of p-substituted diphenyl amine antioxidants in styrene-butadiene rubber through their Cu(II) coordination ability. Chemical Physics Letters, 2017, 680, 78-82.	2.6	18
32	Group-theoretical analysis of the possible symmetries of the Jahn-Teller systems. Computational and Theoretical Chemistry, 1985, 124, 231-237.	1.5	17
33	Optical properties of furanic and thiophenic ethane-1,2-diones. Synthetic Metals, 2003, 138, 399-408.	3.9	17
34	Preparation and Spectroscopic, Magnetic, and Electrochemical Studies of Mono-/Biradical TEMPO Derivatives. Journal of Organic Chemistry, 2013, 78, 6558-6569.	3.2	17
35	Interaction energy anisotropy of the pyrrole dimer: ab initio theoretical study. Theoretical Chemistry Accounts, 1999, 101, 319-324.	1.4	16
36	Torsional dependence of the reactivity of diphenylamine-type antioxidants. Computational and Theoretical Chemistry, 2005, 723, 23-28.	1.5	16

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37	Use of activated enol ethers in the synthesis of pyrazoles: reactions with hydrazine and a study of pyrazole tautomerism. Beilstein Journal of Organic Chemistry, 2014, 10, 752-760.	2.2	16
38	Non-linear optical properties of new bridged bis-thienyls. Synthetic Metals, 2001, 124, 279-286.	3.9	15
39	On UVâ€“Vis spectra and structure of the anticancer drug camptothecin in solutions. Chemical Physics Letters, 2013, 580, 141-144.	2.6	15
40	Comparative DFT study of the effectiveness of p-phenylenediamine antioxidants through their coordination ability towards the late 1st row transition metals. Polymer Degradation and Stability, 2021, 183, 109438.	5.8	15
41	Quantum-chemical studies of rutile nanoparticles toxicity II. Comparison of B3LYP and PM6 data. Acta Chimica Slovaca, 2021, 14, 38-50.	0.8	15
42	Quantum-chemical studies of rutile nanoparticles toxicity I. Defect-free rod-like model clusters. Acta Chimica Slovaca, 2019, 12, 168-174.	0.8	15
43	On the structure of lead(II) complexes in aqueous solutions. II. Polyhedron, 1999, 18, 2085-2090.	2.2	14
44	DFT study of the reaction sites of N,Nâ€²-substituted p-phenylenediamine antioxidants. Polymer Degradation and Stability, 2006, 91, 2848-2852.	5.8	14
45	Model studies of SOCl2 adsorption on carbon nanotubes. Computational and Theoretical Chemistry, 2006, 767, 159-163.	1.5	14
46	On the origin of the hemidirected geometry of tetracoordinated lead(II) compounds. Chemical Physics, 2010, 368, 14-19.	1.9	14
47	Electronic structure of two isostructural `paddle-wheel' complexes: a comparative study. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 681-692.	1.1	14
48	Theoretical study of the static Jahn-Teller effectâ€”I. Two-mode vibronic coupling in octahedral halocomplexes with doubly degenerate electronic states. Polyhedron, 1985, 4, 1543-1551.	2.2	13
49	Ab initio study of cyclic hexahalotriphosphazenes. Computational and Theoretical Chemistry, 1994, 309, 305-308.	1.5	13
50	Tetragonal distortions and vibronic coupling in hexaflouro nickel(II) and copper (II) complexes. Polyhedron, 1983, 2, 921-928.	2.2	12
51	On the Structure of Lead(II) Complexes in Aqueous Solutions. III. Hexanuclear Clusters. Collection of Czechoslovak Chemical Communications, 2002, 67, 219-227.	1.0	12
52	Synthesis and isomerization of acridine substituted 1,3-thiazolidin-4-ones and 4-oxo-1,3-thiazolidin-5-ylidene acetates. An experimental and computational study. Journal of Molecular Structure, 2018, 1154, 152-164.	3.6	12
53	DFT Studies of Substituted Phenols Cytotoxicity I. Para â€substituted Phenols. ChemistrySelect, 2021, 6, 7049-7055.	1.5	12
54	DFT studies of the toxicity of alkylphenols to Tetrahymena pyriformis. Polyhedron, 2021, 207, 115360.	2.2	12

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55	Jahnâ€“Teller phase transitions. Acta Crystallographica Section B: Structural Science, 1990, 46, 573-575.	1.8	11
56	Triangulo cluster molecules of cobalt(0) and nickel(0) containing trimethylphosphine and carbonyl ligands: syntheses, properties, and x-ray structures. Organometallics, 1992, 11, 2912-2916.	2.3	11
57	Optical properties of 2,3-diaza-1,3-butadiene bridged oligothiophenes. Synthetic Metals, 2002, 129, 85-94.	3.9	11
58	Structure dependence of optical properties of bridged bis-thienyls. I. Simple five-membered aromatic bridges. Computational and Theoretical Chemistry, 2002, 582, 213-224.	1.5	11
59	Structure and electronic properties of bithiophenes. I. Torsional dependence. Computational and Theoretical Chemistry, 2002, 618, 93-100.	1.5	11
60	On NMR prediction of the effectiveness of p-phenylenediamine antioxidants. Chemical Physics Letters, 2015, 639, 78-82.	2.6	11
61	HFEPR and Computational Studies on the Electronic Structure of a High-Spin Oxidoiron(IV) Complex in Solution. Inorganic Chemistry, 2016, 55, 3933-3945.	4.0	11
62	High-Frequency and -Field EPR (HFEPR) Investigation of a Pseudotetrahedral Cr^{IV} Siloxide Complex and Computational Studies of Related Cr^{IV}L₄ Systems. Inorganic Chemistry, 2019, 58, 4907-4920.	4.0	11
63	On the Reliability of the Structures of Lead(II) Hydroxo Complexes Obtained by MNDO Method. Collection of Czechoslovak Chemical Communications, 1999, 64, 1269-1273.	1.0	11
64	Quantum-chemical study of the active sites of camptothecin through their Cu(II) coordination ability. Acta Chimica Slovaca, 2018, 11, 6-10.	0.8	11
65	On the structure of hexaaquacopper(II) complexes. Computational and Theoretical Chemistry, 1997, 397, 121-128.	1.5	10
66	On SOCl2 hydrolysis at carbon nanotubes. Chemical Physics, 2006, 330, 224-230.	1.9	10
67	Theoretical study of structural and optical properties of lithium cation complexes with dimethyl sulfoxide. Computational and Theoretical Chemistry, 2011, 963, 503-509.	2.5	10
68	A Proline-Based Tectons and Supramolecular Synthons for Drug Design 2.0: A Case Study of ACEI. Pharmaceuticals, 2020, 13, 338.	3.8	10
69	Dimethyl amino phenyl substituted silver phthalocyanine as a UV- and visible-light absorbing photoinitiator: in situ preparation of silver/polymer nanocomposites. Polymer Chemistry, 2021, 12, 1273-1285.	3.9	10
70	Lawsone Derivatives as Efficient Photopolymerizable Initiators for Free-Radical, Cationic Photopolymerizations, and Thiolâ€”Ene Reactions. Polymers, 2021, 13, 2015.	4.5	10
71	Triapine Analogues and Their Copper(II) Complexes: Synthesis, Characterization, Solution Speciation, Redox Activity, Cytotoxicity, and mR2 RNR Inhibition. Inorganic Chemistry, 2021, 60, 11297-11319.	4.0	10
72	On the Structure of Lead(II) Complexes in Aqueous Solutions. I. Trinuclear Clusters. Collection of Czechoslovak Chemical Communications, 1995, 60, 527-536.	1.0	10

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73	Ab initio study of simple short-chain phosphazenes. Computational and Theoretical Chemistry, 1995, 332, 277-281.	1.5	9
74	On the Relation Between Conformational Changes and Optical Properties in Oligothiophenes, 2. Linear and Nonlinear Optical Properties. Macromolecular Theory and Simulations, 2001, 10, 592-599.	1.4	9
75	On the structure of lead(II) complexes in aqueous solutions.. Polyhedron, 2003, 22, 2863-2867.	2.2	9
76	On electronic structure of neutral and monocharged 9,9â€²-spirobifluorene. Computational and Theoretical Chemistry, 2008, 851, 277-283.	1.5	9
77	Conformational and isomerizational studies of 3-N,N-dimethylhydrazino-2-acetyl propenenitrile using X-ray analysis, NMR and vibrational spectra, and ab initio calculations. Journal of Molecular Structure, 2009, 938, 97-110.	3.6	9
78	Copper(II) complexes with 1,5-bis(2-hydroxybenzaldehyde)carbohydrazone. Polyhedron, 2014, 80, 180-192.	2.2	9
79	DFT studies of camptothecins cytotoxicity I. Active and inactive forms of camptothecin. Computational and Theoretical Chemistry, 2021, 1206, 113461.	2.5	9
80	DFT studies of the toxicity of 4-substituted 1,2-benzoquinones. Polyhedron, 2021, 210, 115532.	2.2	9
81	MO study of molecular nitrogen fixation I. Model systems: [N2 + H]., [N2 + H]+, [N2 + H]â^'. Journal of Molecular Catalysis, 1979, 5, 349-362.	1.2	8
82	The Eî—¸e vibronic interaction in octahedral complexes. Inorganica Chimica Acta, 1980, 45, L1-L3.	2.4	8
83	New NIR dyes for ammonia sensing. Sensors and Actuators B: Chemical, 2003, 90, 9-14.	7.8	8
84	Comparative study of non-planar cyclotetraphosphazenes and their isostructural hydrocarbon analogues. Computational and Theoretical Chemistry, 2004, 679, 131-136.	1.5	8
85	Some comments on â€œJahnâ€“Teller effect in coronene monoanion: a comparative study with corannulene monoanionâ€•[Chem. Phys. 287 (2003) 91]. Chemical Physics, 2003, 291, 207-212.	1.9	7
86	On the geometry, electrical properties and optical spectra of spirobifluorene type molecules. Journal of Molecular Structure, 2004, 699, 93-99.	3.6	7
87	Quantum-chemical studies of benzazoles nitration. Arkivoc, 2005, 2005, 80-89.	0.5	7
88	On the bridging mode in tetrahedral tetralead(II) hydroxocomplexes. Computational and Theoretical Chemistry, 2006, 765, 121-126.	1.5	7
89	Thermochromism of bithiophenes and internal aromatic chain rotation. Computational and Theoretical Chemistry, 2007, 820, 35-39.	1.5	7
90	Quantum-chemical study of transition metal complexes with benzene-1,2-dithiolate. Polyhedron, 2011, 30, 307-314.	2.2	7

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91	Synthesis of Branchedâ€Chain Sugars with a DHAPâ€Dependent Aldolase: Ketones are Electrophile Substrates of Rhamnuloseâ€1â€phosphate Aldolases. Angewandte Chemie, 2018, 130, 5565-5569.	2.0	7
92	The First Insight Into the Supramolecular System of D,L-Î±-Difluoromethylornithine: A New Antiviral Perspective. Frontiers in Chemistry, 2021, 9, 679776.	3.6	7
93	A complete classification of stable symmetries of the Jahn-Teller systems. Collection of Czechoslovak Chemical Communications, 1990, 55, 2119-2130.	1.0	7
94	On the Stability of Hydroxo-Dilead(II) Complex Cations. Collection of Czechoslovak Chemical Communications, 2003, 68, 2377-2385.	1.0	7
95	On non-planarity and bond alternation of a simple short-chain phosphazene. Computational and Theoretical Chemistry, 1998, 454, 77-81.	1.5	6
96	Synthesis and spectra of tetrakis (4-dimethylaminophenyl) hexadienes. Dyes and Pigments, 1999, 43, 227-233.	3.7	6
97	Some comments on â€œAb initio study of the Jahnâ€“Teller distortions in the B4+â€•[J. Mol. Struct. (Theochem) 583 (2002) 63]. Computational and Theoretical Chemistry, 2002, 618, 165-169.	1.5	6
98	Quantum chemical study of the preferential ortho-addition of phenoxyl radicals to nitroso spin-traps. Computational and Theoretical Chemistry, 2003, 624, 251-255.	1.5	6
99	On non-planarity of cyclotetraphosphazenes. Polyhedron, 2003, 22, 3243-3248.	2.2	6
100	ESR/UVâ€“Visâ€“NIR cyclovoltammetry of macrocyclic complex [CuI(bite)]BF4 at different temperatures. Journal of Electroanalytical Chemistry, 2004, 566, 123-129.	3.8	6
101	Photochemical Properties of Camptothecin in the Presence of Copper(II) Ions: The Role of Radicals as Prospective Species in Photodynamic Therapy. Molecular Biotechnology, 2007, 37, 48-51.	2.4	6
102	DFT study of bis(picolinato-N,O)-copper(II) complex. Polyhedron, 2010, 29, 2440-2444.	2.2	6
103	DFT studies of camptothecin aggregation in solutions. Computational and Theoretical Chemistry, 2018, 1143, 1-8.	2.5	6
104	Mo study of molecular nitrogen fixation II. Model systems: [N2 + H2], [N2 + H2]+, [N2 + H2]â^'. Journal of Molecular Catalysis, 1979, 6, 269-288.	1.2	5
105	Molecular orbital study of molecular nitrogen fixation. International Journal of Quantum Chemistry, 1979, 16, 485-500.	2.0	5
106	Theoretical study of the static Jahn-Teller effectâ€”II three-mode vibronic coupling in octahedral halocomplexes with triply degenerate electronic states. Polyhedron, 1986, 5, 753-760.	2.2	5
107	Theoretical study of the static Jahn-Teller effectâ€”III. Type of vibronic coupling in hexahalo complexes. Polyhedron, 1986, 5, 1607-1613.	2.2	5
108	On the relation between conformational changes and electronic structure defects in polypyrrole. Macromolecular Theory and Simulations, 1996, 5, 107-120.	1.4	5

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109	Antioxidant effectiveness of dehydrogenated p-phenylene diamines through NMR calculations. Acta Chimica Slovaca, 2016, 9, 100-103.	0.8	5
110	On NMR prediction of the antioxidant effectiveness of p-substituted diphenyl amines. Polymer Degradation and Stability, 2016, 130, 189-193.	5.8	5
111	Nickel(II), Copper(II) and Palladium(II) Complexes with Bis-Semicarbazide Hexaazamacrocycles: Redox-Noninnocent Behavior and Catalytic Activity in Oxidation and Câ€“C Coupling Reactions. Inorganic Chemistry, 2020, 59, 10650-10664.	4.0	5
112	On the Structure of Tri- and Tetrahydroxolead(II) Complex Anions. Collection of Czechoslovak Chemical Communications, 2008, 73, 59-72.	1.0	5
113	DFT studies of camptothecins cytotoxicity II. Protonated lactone forms of camptothecin. Computational and Theoretical Chemistry, 2022, 1211, 113677.	2.5	5
114	Structural and Biofunctional Insights into the Cyclo(Pro-Pro-Phe-Phe-) Scaffold from Experimental and In Silico Studies: Melanoma and Beyond. International Journal of Molecular Sciences, 2022, 23, 7173.	4.1	5
115	Electronic structure of YBa2Cu3Oy. Solid State Communications, 1990, 73, 783-785.	1.9	4
116	Excited states of ZnS:Mn and ZnSe:Mn stabilized by the Jahnâ€“Teller active E mode: Calculations by semiempirical selfâ€consistent field methods. Journal of Chemical Physics, 1990, 92, 3018-3020.	3.0	4
117	Oxygen photosensitization in the presence of sodium anthracene-1-sulphonate. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 76, 159-165.	3.9	4
118	Synthesis and spectra of tris(4-dimethylaminophenyl)divinylenes. Dyes and Pigments, 1999, 40, 43-51.	3.7	4
119	On the structure of polyphosphazenes. European Polymer Journal, 1999, 35, 581-586.	5.4	4
120	MP2 studies of the bis(methoxycarbimido)amine ligand and its anion. Polyhedron, 2004, 23, 2235-2242.	2.2	4
121	On the structure of hexahydroxocyclotriphosphazene. Computational and Theoretical Chemistry, 2008, 861, 33-38.	1.5	4
122	On electronic structure of tris(dimethylamino)sulphonium heptafluoro-oxocyclotetraphosphazenate. Computational and Theoretical Chemistry, 2009, 894, 32-35.	1.5	4
123	QTAIM study of transition metal complexes with cyclophosphazene-based multisite ligands II. Cobalt(II) complexes. Polyhedron, 2012, 31, 570-574.	2.2	4
124	On NMR prediction of the antioxidant effectiveness of heterocyclic nitrogen compounds and substituted amines in styrene-butadiene rubber. Polymer Degradation and Stability, 2017, 144, 1-6.	5.8	4
125	Comparative study of p-phenylenediamine antioxidant effectiveness in styrene-butadiene and polyisoprene rubber through NMR calculations. Polymer Degradation and Stability, 2020, 177, 109196.	5.8	4
126	On the relation between oxidation states and d-electron populations of the 1st row transition metal complexes I. Tetrachloro complexes. Polyhedron, 2021, 201, 115172.	2.2	4

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127	On the Structure of Tetralead(II) Complexes with OH Bridges. Collection of Czechoslovak Chemical Communications, 2004, 69, 2045-2054.	1.0	4
128	Jahn-teller effect for eight-atom clusters. European Physical Journal D, 1991, 41, 593-598.	0.4	3
129	CNDO studies of Y-Ba-Cu-O superconductors I. Comparative study of CuO n polyhedra. European Physical Journal D, 1992, 42, 191-200.	0.4	3
130	On the axial oxygen position in Yî—¸Baî—¸Cuî—¸O superconductors. Solid State Communications, 1993, 85, 713-716.	1.9	3
131	On the Structure of Boat-Shaped Hexalead(II) Cations with OH Bridges. Collection of Czechoslovak Chemical Communications, 2004, 69, 2055-2067.	1.0	3
132	Quantum chemical study of the preferential ortho-addition of phenoxyl radicals to nitroso spin-traps II. AIM analysis. Computational and Theoretical Chemistry, 2004, 683, 167-169.	1.5	3
133	DFT studies of copper complexes with biphenyldiimino dithioether. Computational and Theoretical Chemistry, 2005, 718, 175-181.	1.5	3
134	DFT studies of copper complexes with biphenyldiimino dithioether II. Mechanical strain. Polyhedron, 2006, 25, 2559-2564.	2.2	3
135	Conformational and isomerizational studies of 3-N,N-dimethylhydrazino-2-methylsulfonyl propenenitrile using NMR and vibrational spectra, X-ray analysis and ab initio calculations. Journal of Molecular Structure, 2008, 891, 192-204.	3.6	3
136	Why is monoalkylation versus bis-alkylation of the Ni(II) complex of the Schiff base of (S)-N-(2-benzoylphenyl)-1-benzylpyrrolidine-2-carboxamide and glycine so selective? MP2 modelling and topological QTAIM analysis of chiral metallocomplex synthons of Î±-amino acids used for the preparation of radiopharmaceuticals for positron emission tomography. Journal of Radioanalytical and Nuclear Chemistry, 2010, 286, 829-833.	1.5	3
137	Quantumâ€chemical studies of the antioxidant effectiveness of paraâ€phenylene diamines. Journal of Vinyl and Additive Technology, 2022, 28, 352-366.	3.4	3
138	Jahn-Teller distortions of icosahedral complexes. European Physical Journal D, 1990, 40, 1177-1184.	0.4	2
139	Electronic structure of Tlî—¸Baî—¸Caî—¸Cuî—¸O systems. Solid State Communications, 1990, 74, 801-804.	1.9	2
140	CNDO studies of Y-Ba-Cu-O superconductors II. Simple models of YBa2Cu3Ox. European Physical Journal D, 1992, 42, 201-207.	0.4	2
141	CNDO studies of Y-Ba-Cu-O superconductors IV. The oxygen content effect. European Physical Journal D, 1994, 44, 695-701.	0.4	2
142	On dehydrochlorination of crosslinked poly(vinyl chloride). European Polymer Journal, 1998, 34, 1505-1509.	5.4	2
143	On bond alternation in simple short-chain phosphazenes. Computational and Theoretical Chemistry, 1998, 429, 111-120.	1.5	2
144	MP2 studies of copper complexes with bis(methoxycarbimido)amine and its anion. Computational and Theoretical Chemistry, 2004, 711, 115-121.	1.5	2

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145	On the reduced form of (imidazole-N3)(N-salicylidene-alaninato-O,N,Oâ€²) copper(II). Computational and Theoretical Chemistry, 2006, 770, 139-144.	1.5	2
146	DFT studies of copper complexes with biphenyldiimino dithioether. Part III: AIM analysis. Polyhedron, 2007, 26, 4156-4160.	2.2	2
147	Structure and vibrational spectra of copper(II) 2-pyridylmethanolate tetrahydrate. Chemical Papers, 2014, 68, .	2.2	2
148	QTAIM studies of [Li(DMSO)n]+ and [Al(DMSO)n]3+. AIP Conference Proceedings, 2015, , .	0.4	2
149	Hemidirected [M(II)L4]q structures and Jahnâ€“Teller effect. Chemical Physics, 2015, 460, 56-63.	1.9	2
150	Electronic structure of Schiff-base peroxo{2,2â€²-[1,2-phenylenebis(nitrilomethanylylidene)]bis(6-methoxyphenolato)}titanium(IV) monohydrate: a possible model structure of the reaction center for the theoretical study of hemoglobin. IUCrJ, 2021, 8, 295-304.	2.2	2
151	Electronic structure of high-temperature superconductors I. Y-Ba-Cu-O systems. European Physical Journal D, 1990, 40, 778-789.	0.4	1
152	On electronic structure of lanthanide analogs of Yî—¸Baî—¸Cu superconductors. Solid State Communications, 1992, 81, 673-675.	1.9	1
153	CNDO studies of Y-Ba-Cu-O superconductors III. The axial oxygen position. European Physical Journal D, 1993, 43, 569-574.	0.4	1
154	Quantum-chemical studies of triangulo cluster molecules of cobalt(0) with trimethylphosphine and carbonyl ligands and of their halogen derivatives. Polyhedron, 1994, 13, 103-107.	2.2	1
155	Quantum-chemical studies of triangulo cluster molecules of cobalt(0) and Nickel(0) with trimethylphosphine and carbonyl ligands. Polyhedron, 1994, 13, 723-725.	2.2	1
156	Electronic structure of high-temperature superconductors II. La-Ba-Cu-O systems. European Physical Journal D, 1996, 46, 503-507.	0.4	1
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