

Paolo Lazzeretti

List of Publications by Year in descending order

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279
papers

8,087
citations

53794

45
h-index

76900

74
g-index

282
all docs

282
docs citations

282
times ranked

2427
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic toroidizability as ubiquitous property of atoms and molecules in optical electric fields. <i>Journal of Chemical Physics</i> , 2022, 156, 054106.	3.0	6
2	Origin independent current density vector fields induced by time-dependent magnetic field. I. The LiH molecule. <i>Journal of Chemical Physics</i> , 2022, 156, 154105.	3.0	6
3	Assessment of the performance of DFT functionals in the fulfillment of off-diagonal hypervirial relationships. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15268-15274.	2.8	13
4	Physical achirality in geometrically chiral rotamers of hydrazine and boranylborane molecules. <i>Journal of Computational Chemistry</i> , 2021, 42, 1772-1782.	3.3	2
5	Electronic Currents Induced by Optical Fields and Rotatory Power Density in Chiral Molecules. <i>Molecules</i> , 2021, 26, 4195.	3.8	8
6	Origin-Independent Densities of Static and Dynamic Molecular Polarizabilities. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8855-8864.	4.6	5
7	Electronic Currents and Anapolar Response Induced in Molecules by Monochromatic Light. <i>Chemistry</i> , 2021, 3, 1022-1036.	2.2	4
8	Anisotropy of the vorticity tensor as a magnetic indicator of aromaticity. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1299-1305.	2.8	2
9	Static and optical anapole magnetizabilities and polarizabilities. <i>Journal of Chemical Physics</i> , 2020, 153, 074102.	3.0	4
10	Cubic magnetic response of diamagnetic molecules via third-order electronic current density. <i>Journal of Chemical Physics</i> , 2020, 153, 234112.	3.0	1
11	Tests of accuracy for computed magnetic properties via off-diagonal hypervirial relations. <i>Journal of Chemical Physics</i> , 2020, 153, 214108.	3.0	1
12	Continuity equations for electron charge densities and current densities induced in molecules by electric and magnetic fields. <i>Journal of Chemical Physics</i> , 2019, 151, 114108.	3.0	9
13	Stagnation graphs and separatrices of local bifurcations in velocity and current density planar vector fields. <i>Rendiconti Lincei</i> , 2019, 30, 515-535.	2.2	5
14	Frequency-dependent current density tensors as density functions of dynamic polarizabilities. <i>Journal of Chemical Physics</i> , 2019, 150, 184117.	3.0	13
15	Could Electronic Anapolar Interactions Drive Enantioselective Syntheses in Strongly Nonuniform Magnetic Fields? A Computational Study. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 961-971.	5.3	5
16	Anapolar interaction of aminoacids and sugars in nonuniform magnetic fields. <i>Rendiconti Lincei</i> , 2018, 29, 199-207.	2.2	2
17	Current density tensors. <i>Journal of Chemical Physics</i> , 2018, 148, 134109.	3.0	40
18	Polygonal current models for polycyclic aromatic hydrocarbons and graphene sheets of various shapes. <i>Journal of Computational Chemistry</i> , 2018, 39, 21-34.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Gauge invariance and origin independence of electronic charge density and current density induced by optical fields. <i>Journal of Chemical Physics</i> , 2018, 149, 154106. The abstract $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si264.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle G \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mathvariant="italic"} \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si137.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle G \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mathvariant="italic"} \rangle CPT \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. <i>Journal of</i>	3.0	18
20	Chiral discrimination in nuclear magnetic resonance spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 443001.	1.2	11
21	Chiral discrimination in nuclear magnetic resonance spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 443001.	1.8	18
22	Electric Dipole–Magnetic Dipole Polarizability and Anapole Magnetizability of Hydrogen Peroxide as Functions of the HOOH Dihedral Angle. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9369-9376.	2.5	8
23	Computational study of basis set and electron correlation effects on anapole magnetizabilities of chiral molecules. <i>Journal of Computational Chemistry</i> , 2016, 37, 1552-1558.	3.3	16
24	Topological definition of ring currents. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11765-11771.	2.8	17
25	On the definition of molecular dynamic magnetizability. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	1.4	4
26	Theoretical prediction of the optical rotation of chiral molecules in ordered media: A computational study of (<i>R</i>)-1,3-dimethylallene, (2 <i>R</i>)-2-methyloxirane, and (2 <i>R</i>)-N-methyloxaziridine. <i>International Journal of Quantum Chemistry</i> , 2015, 115, 900-906.	2.0	3
27	Chiral discrimination in NMR spectroscopy: computation of the relevant molecular pseudoscalars. <i>Molecular Physics</i> , 2015, 113, 1780-1785.	1.7	18
28	Six questions on topology in theoretical chemistry. <i>Computational and Theoretical Chemistry</i> , 2015, 1053, 2-16.	2.5	99
29	Theoretical estimates of the anapole magnetizabilities of C ₄ H ₄ X ₂ cyclic molecules for X=O, S, Se, and Te. <i>Journal of Chemical Physics</i> , 2014, 141, 094305.	3.0	15
30	Invariance of molecular response properties under a coordinate translation. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 1364-1392.	2.0	15
31	On the determination of the diagonal components of the optical activity tensor in chiral molecules. <i>Journal of Chemical Physics</i> , 2014, 140, 074105.	3.0	19
32	Delocalized Currents without a Ring of Bonded Atoms: Strong Delocalized Electron Currents Induced by Magnetic Fields in Noncyclic Molecules. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3367-3375.	2.5	14
33	Magnetizabilities of Diatomic and Linear Triatomic Molecules in a Time-Independent Nonuniform Magnetic Field. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6333-6342.	2.5	19
34	Polygonal Current Model: An Effective Quantifier of Aromaticity on the Magnetic Criterion. <i>Journal of Physical Chemistry A</i> , 2013, 117, 9083-9092.	2.5	39
35	Chiral discrimination via nuclear magnetic resonance spectroscopy. <i>Rendiconti Lincei</i> , 2013, 24, 283-289.	2.2	13
36	On the origin independence of the Verdet tensor $\langle \text{sup} \rangle \langle \text{sup} \rangle$. <i>Molecular Physics</i> , 2013, 111, 1405-1413.	1.7	5

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37	Parity violation energies of C ₄ H ₄ X ₂ molecules for X = O, S, Se, Te and Po ⁺ . <i>Molecular Physics</i> , 2013, 111, 2387-2391.	1.7	12
38	Gauge invariance of the nuclear spin/electron orbit interaction and NMR spectral parameters. <i>Journal of Chemical Physics</i> , 2012, 137, 074108.	3.0	14
39	Beyond NICS. <i>AIP Conference Proceedings</i> , 2012, , .	0.4	11
40	On the Chan-Das gauge for the calculation of molecular magnetizabilities. <i>Journal of Chemical Physics</i> , 2012, 137, 154105.	3.0	1
41	On the existence of a natural common gauge-origin for the calculation of magnetic properties of atoms and molecules via gaugeless basis sets. <i>Journal of Chemical Physics</i> , 2012, 136, 164110.	3.0	18
42	Methods of continuous translation of the origin of the current density revisited. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	23
43	Nuclear magnetic resonance J coupling constant polarizabilities of hydrogen peroxide: A basis set and correlation study. <i>Journal of Computational Chemistry</i> , 2012, 33, 1845-1853.	3.3	13
44	Correlation between the out-of-Plane Components of Magnetizability and Central Magnetic Shielding in Unsaturated Cyclic Molecules. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4553-4557.	2.5	38
45	Beyond NICS: estimation of the magnetotropy of inorganic unsaturated planar rings. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20666.	2.8	58
46	Electric field effects on nuclear spin-spin coupling tensors and chiral discrimination via NMR spectroscopy. <i>Theoretical Chemistry Accounts</i> , 2011, 129, 359-366.	1.4	18
47	Magnetic-field induced electronic anapoles in small molecules. <i>Rendiconti Lincei</i> , 2011, 22, 105-112.	2.2	24
48	Stagnation graphs and topological models of magnetic-field induced electron current density for some small molecules in connection with their magnetic symmetry. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 356-367.	2.0	22
49	Geometry distortion of the benzene molecule in a strong magnetic field. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 772-779.	2.0	5
50	The ring current model of the pentaprismane molecule. <i>Journal of Computational Chemistry</i> , 2011, 32, 1599-1611.	3.3	11
51	Magnetic Field-Induced Alignment of Molecular Rotor-Shaped Cyclophanes. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1463-1467.	4.6	3
52	Relative Weights of \tilde{I}_f and \tilde{I}_r Ring Currents in a Few Simple Monocycles. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 3343-3351.	5.3	82
53	Ring Current Model and Anisotropic Magnetic Response of Cyclopropane. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 2002-2018.	5.3	62
54	On the Aromatic Character of 1,2-Dihydro-1,2-azaborine According to Magnetic Criteria. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1563-1568.	4.6	51

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55	Assessment of the CTOCD-DZ method in a hierarchy of coupled cluster methods. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6163.	2.8	8
56	Understanding the ring current effects on magnetic shielding of hydrogen and carbon nuclei in naphthalene and anthracene. <i>Journal of Computational Chemistry</i> , 2009, 30, 551-564.	3.3	32
57	Ring current models for acetylene and ethylene molecules. <i>Chemical Physics</i> , 2009, 356, 153-163.	1.9	26
58	Topological models of magnetic field induced current density field in small molecules. <i>Theoretical Chemistry Accounts</i> , 2009, 123, 353-364.	1.4	29
59	Calculation of Hypershielding Contribution to Isotropic Nitrogen Shielding in Strong Magnetic Fields. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 1343-1349.	5.3	8
60	Can Induced Orbital Paramagnetism Be Controlled by Strong Magnetic Fields?. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 3049-3059.	5.3	5
61	Aromaticity of $\hat{I}\pm$ -Oligothiophenes and Equivalent Oligothienoacenes. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 1767-1775.	5.3	6
62	Induced Orbital Paramagnetism and Paratropism in Closed-Shell Molecules. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14465-14479.	2.5	20
63	Response tensors for chiral discrimination in NMR spectroscopy. <i>Theoretical Chemistry Accounts</i> , 2008, 119, 99-106.	1.4	22
64	Electronic Structure of the Ground and Excited States of \hat{I}^2 -Carboline. <i>ChemPhysChem</i> , 2008, 9, 896-901.	2.1	2
65	Relation between $\hat{I}\epsilon$ -Electron Localization/Delocalization and H-Bond Strength in Derivatives of $\langle i \rangle \langle /i \rangle$ -Hydroxy-Schiff Bases. <i>Journal of Organic Chemistry</i> , 2008, 73, 2138-2145.	3.2	44
66	Spatial Ring Current Model for the Prismane Molecule. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5175-5186.	2.5	14
67	Rototranslational sum rules for electromagnetic hypershielding at the nuclei and related atomic Cartesian derivatives of the optical rotatory power. <i>Journal of Chemical Physics</i> , 2008, 128, 244107.	3.0	2
68	Topology of magnetic-field induced electron current density in the cubane molecule. <i>Journal of Chemical Physics</i> , 2008, 128, 194305.	3.0	21
69	Calculation of the electric hypershielding at the nuclei of molecules in a strong magnetic field. <i>Journal of Chemical Physics</i> , 2007, 126, 154103.	3.0	10
70	General Connections Among Nuclear Electromagnetic Shieldings and Polarizabilities. <i>Advances in Chemical Physics</i> , 2007, , 507-549.	0.3	65
71	Assessment of $\hat{I}f$ -Diatropicity of the Cyclopropane Molecule. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8163-8169.	2.5	67
72	Spatial Ring Current Model of the [2.2]Paracyclophane Molecule. <i>Journal of Physical Chemistry A</i> , 2007, 111, 3110-3123.	2.5	25

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73	Nuclear Magnetoelectric Shieldings for Chiral Discrimination in NMR Spectroscopy. Theoretical Study of (<i>R</i>)-1,3-Dimethylallene, (<i>S</i>)-2-Methyloxirane, and (<i>S</i>)- <i>N</i> -Methyloxaziridine Molecules. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 1691-1698.	5.3	14
74	Chiral discrimination via nuclear magnetic shielding polarisabilities from NMR spectroscopy: Theoretical study of (<i>Ra</i>)-1,3-dimethylallene, (<i>2R</i>)-2-methyloxirane, and (<i>2R</i>)- <i>N</i> -methyloxaziridine. <i>Journal of Computational Chemistry</i> , 2007, 28, 2159-2163.	3.3	22
75	Parity violation energy of 5-pyrimidyl alkanol, a chiral autocatalytic molecule. <i>Chemical Physics Letters</i> , 2007, 435, 346-349.	2.6	11
76	Magnetotropy of five-membered heterocyclic molecules. <i>Theoretical Chemistry Accounts</i> , 2007, 117, 903-913.	1.4	16
77	Magnetotropy of phosphole and its arsenic analogue. <i>Theoretical Chemistry Accounts</i> , 2007, 118, 89-97.	1.4	16
78	Invariance of multipole polarisabilities of nuclear magnetic shielding within the approach of continuous transformation of the origin of the current density. <i>Theoretical Chemistry Accounts</i> , 2007, 118, 863-868.	1.4	3
79	Invariance of magnetic-field induced current density to a continuous transformation of the origin of the coordinate system. <i>Chemical Physics Letters</i> , 2006, 421, 21-26.	2.6	19
80	Parity violation energy of biomolecules ϵ^{III} : RNA. <i>Chemical Physics Letters</i> , 2006, 432, 263-268.	2.6	10
81	Forces on the Nuclei of a Molecule in Optical Fields. <i>Theoretical Chemistry Accounts</i> , 2006, 116, 420-426.	1.4	6
82	Structure, magnetizability, and nuclear magnetic shielding tensors of bis-heteropentalenes. IV. Dihydrophospholophosphole isomers. <i>Journal of Computational Chemistry</i> , 2006, 27, 344-351.	3.3	8
83	Diatropicity of tetraazanaphthalenes. <i>Journal of Computational Chemistry</i> , 2006, 27, 1980-1989.	3.3	9
84	From Pentalene to Dicyclopenta[b,g]naphthalene, or the Change towards Delocalized Structures. <i>ChemPhysChem</i> , 2006, 7, 240-244.	2.1	19
85	Critique of the Multipath Model for $1J(\text{C},\text{C})$ Nuclear Spin-Spin Coupling via Electron Current Induced by ^{13}C Nuclear Magnetic Dipoles. <i>ChemPhysChem</i> , 2006, 7, 679-684.	2.1	16
86	Calculation of the fourth-rank nuclear magnetic hypershielding of some small molecules. <i>Physical Review A</i> , 2006, 74, .	2.5	11
87	Topology of magnetic-field-induced current-density field in diatropic monocyclic molecules. <i>Physical Review A</i> , 2006, 74, .	2.5	59
88	Rototranslational sum rules for static and dynamic polarisabilities. <i>Computer Physics Communications</i> , 2005, 173, 131-139.	7.5	1
89	Ring-current signatures in shielding-density maps. <i>Chemical Physics Letters</i> , 2005, 401, 164-169.	2.6	58
90	The ring-current model of the paratropic pentalene molecule. <i>Chemical Physics Letters</i> , 2005, 401, 282-287.	2.6	16

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91	Parity violation energy of biomolecules " II: DNA. <i>Chemical Physics Letters</i> , 2005, 407, 522-526.	2.6	19
92	Sum rules for invariance of the fourth-rank hypermagnetisability in a gauge translation. <i>Chemical Physics Letters</i> , 2005, 408, 403-408.	2.6	9
93	Interpretation of vicinal spin-spin coupling constants in ethane via the current-density induced by nuclear magnetic dipoles. <i>Chemical Physics Letters</i> , 2005, 409, 177-186.	2.6	18
94	Ring current effects on nuclear magnetic shielding of carbon in the benzene molecule. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 316-320.	1.9	30
95	Fourth-rank hypermagnetizability of medium-size planar conjugated molecules and fullerene. <i>Physical Review A</i> , 2005, 72, .	2.5	12
96	Nonlinear response of the benzene molecule to strong magnetic fields. <i>Journal of Chemical Physics</i> , 2005, 122, 074318.	3.0	12
97	Current density maps, magnetizability, and nuclear magnetic shielding tensors of bis-heteropentalenes. III. Thieno-thiophene isomers. <i>Molecular Physics</i> , 2005, 103, 789-801.	1.7	10
98	Why Downfield Proton Chemical Shifts Are Not Reliable Aromaticity Indicators. <i>Organic Letters</i> , 2005, 7, 3457-3460.	4.6	78
99	Can aromaticity be connected with molecular polarizability? A theoretical study of benzene isomers and five-membered heterocyclic molecules. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2004, 4, 665-676.	0.2	0
100	Current density maps, magnetizability, and nuclear magnetic shielding tensors of bis-heteropentalenes. II. Furo-furan Isomers. <i>Journal of Chemical Physics</i> , 2004, 120, 6542-6550.	3.0	12
101	Calculation of electric dipole hypershieldings at the nuclei in the Hellmann-Feynman approximation. <i>Journal of Chemical Physics</i> , 2004, 120, 3142-3151.	3.0	11
102	Electric Field Gradient Effects on Magnetic Susceptibility. <i>Advances in Quantum Chemistry</i> , 2004, 47, 177-191.	0.8	3
103	Molecular response to a time-independent non-uniform magnetic-field. <i>Chemical Physics</i> , 2004, 304, 289-299.	1.9	33
104	The vibrational spectrum of camphor from ab initio and density functional theory and parity violation in the C-C-CO bending mode. <i>Chemical Physics Letters</i> , 2004, 383, 496-501.	2.6	18
105	Understanding proton magnetic shielding in the benzene molecule. <i>Chemical Physics Letters</i> , 2004, 390, 268-271.	2.6	38
106	Effects of strong magnetic fields on the electron distribution and magnetisability of rare gas atoms. <i>Chemical Physics Letters</i> , 2004, 400, 133-138.	2.6	13
107	Localisation and reversal of paratropic ring currents in molecules with formal anti-aromatic electron counts. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 289-294.	2.8	35
108	Calculation of the fourth-rank molecular hypermagnetizability of some small molecules. <i>Journal of Chemical Physics</i> , 2004, 120, 9556-9560.	3.0	19

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109	Are Ring Currents Still Useful to Rationalize the Benzene Proton Magnetic Shielding?. <i>Organic Letters</i> , 2004, 6, 2265-2267.	4.6	87
110	Assessment of aromaticity via molecular response properties. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 217-223.	2.8	415
111	Ring-Current Models from the Differential Biot-Savart Law. <i>Organic Letters</i> , 2004, 6, 4451-4454.	4.6	54
112	Calculation of Dipole-Shielding Polarizabilities ($\chi_{\pm}^{\text{Dipole}}$): The Influence of Uniform Electric Field Effects on the Shielding of Backbone Nuclei in Proteins. <i>Journal of the American Chemical Society</i> , 2003, 125, 9556-9557.	13.7	16
113	Magnetic response of dithiin molecules: is there anti-aromaticity in nature?. <i>Chemical Physics Letters</i> , 2003, 375, 583-590.	2.6	27
114	Electric field gradient effects on nuclear magnetic shieldings. <i>Computational and Theoretical Chemistry</i> , 2003, 633, 105-111.	1.5	7
115	Sum rules related to third-order properties: a numerical check. <i>Chemical Physics</i> , 2003, 288, 281-289.	1.9	8
116	Correlated and gauge invariant calculations of nuclear magnetic shielding constants using the continuous transformation of the origin of the current density approach. <i>Journal of Chemical Physics</i> , 2003, 118, 6830-6845.	3.0	46
117	Nuclear spin-spin coupling density in molecules. <i>Journal of Chemical Physics</i> , 2003, 118, 7165.	3.0	43
118	Parity-violating contributions to nuclear magnetic shielding. <i>Physical Review A</i> , 2003, 68, .	2.5	47
119	Theoretical determination of the magnetic properties of 2-pyrone and 4-pyrone, and o-benzoquinone and p-benzoquinone. <i>Molecular Physics</i> , 2003, 101, 2497-2509.	1.7	5
120	Current density maps, magnetizability, and nuclear magnetic shielding tensors of bis-heteropentalenes. I. Di-hydro-pyrrolo-pyrrole isomers. <i>Journal of Chemical Physics</i> , 2003, 119, 5518-5526.	3.0	18
121	Nuclear spin-spin coupling density functions and the Fermi hole. <i>Journal of Chemical Physics</i> , 2003, 119, 1343-1349.	3.0	44
122	Calculation of third-rank molecular hypermagnetizabilities by continuous transformation of the origin of the current density. <i>Journal of Chemical Physics</i> , 2002, 116, 9611-9615.	3.0	4
123	Ring Currents and Magnetic Properties of s-Indacene, an Archetypal Paratropic, Non-Antiaromatic Molecule. <i>Journal of Physical Chemistry A</i> , 2002, 106, 11806-11814.	2.5	38
124	The Leap-Frog Effect of Ring Currents in Benzene. <i>Journal of the American Chemical Society</i> , 2002, 124, 2008-2014.	13.7	37
125	Theoretical determination of magnetic properties of planar benzene isomers. <i>Journal of Chemical Physics</i> , 2002, 116, 964-973.	3.0	14
126	On the resolution of the optical rotatory power of chiral molecules into atomic terms. A study of hydrogen peroxide. <i>Journal of Chemical Physics</i> , 2002, 116, 6427-6434.	3.0	22

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127	Calculation of electric dipole hypershieldings at the nuclei in diatomic molecules. <i>Chemical Physics</i> , 2002, 284, 601-606.	1.9	6
128	Nuclear electromagnetic shieldings via charge and current density functions. <i>International Journal of Quantum Chemistry</i> , 2002, 90, 464-471.	2.0	1
129	An efficient coupled Hartree-Fock computational scheme for parity-violating energy differences in enantiomeric molecules. <i>Computer Physics Communications</i> , 2002, 144, 130-140.	7.5	2
130	Understanding parity violation in molecular systems. <i>Physical Review E</i> , 2001, 65, 011904.	2.1	35
131	Resolution of molecular polarizabilities of CH ₃ -X and CH ₃ -CH ₂ -X derivatives into atomic terms. <i>Journal of Chemical Physics</i> , 2001, 114, 4053-4057.	3.0	12
132	Some mathematical properties of gauge transformations with respect to the Coulomb gauge: Variational analysis of an energy functional. <i>International Journal of Quantum Chemistry</i> , 2000, 77, 599-606.	2.0	2
133	Thomas-Reiche-Kuhn populations in X-CH ₃ and X-C ₂ H ₅ series of molecules. <i>Chemical Physics</i> , 2000, 259, 1-9.	1.9	6
134	Ring currents. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2000, 36, 1-88.	7.5	437
135	Parity-violating effects in asymmetric chemical reactions: A theoretical study on the CHFClBr molecule. <i>Physical Review E</i> , 2000, 62, 8395-8399.	2.1	19
136	Shielding polarizabilities via continuous transformation of the origin of the current density in the set of small molecules: H ₂ O ₂ , F ₂ , H ₂ C ₂ , H ₂ CO, NH ₃ , HCN, and HNC. <i>Journal of Chemical Physics</i> , 2000, 112, 6141-6151.	3.0	12
137	Energetic stabilization of d-camphor via weak neutral currents. <i>Physical Review E</i> , 1999, 60, 871-874.	2.1	18
138	Thomas-Reiche-Kuhn populations in alkanes. <i>Chemical Physics</i> , 1999, 246, 75-85.	1.9	7
139	Current Density Maps, Magnetizability, and Nuclear Magnetic Shielding Tensors for Anthracene, Phenanthrene, and Triphenylene. <i>Journal of the American Chemical Society</i> , 1999, 121, 5513-5518.	13.7	78
140	Theoretical results which strengthen the hypothesis of electroweak bioenantioselection. <i>Physical Review E</i> , 1999, 59, 3382-3385.	2.1	45
141	On the stabilization of natural L-enantiomers of $\hat{\pm}$ -amino acids via parity-violating effects. <i>Chemical Physics Letters</i> , 1998, 286, 240-242.	2.6	49
142	Calculation of magnetic properties of HF, H ₂ O, NH ₃ , and CH ₄ molecules using a longitudinal gauge for the vector potential. <i>International Journal of Quantum Chemistry</i> , 1998, 66, 31-45.	2.0	2
143	Resolution of alkane molecular polarizabilities into atomic terms. <i>Journal of Chemical Physics</i> , 1998, 109, 2987-2993.	3.0	19
144	Forces at the nuclei of a molecule in the presence of non-uniform electric field. <i>Computational and Theoretical Chemistry</i> , 1997, 390, 57-60.	1.5	1

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145	Dependence of geminal ^1H - ^1H and ^31P - ^1H spin-spin coupling constants on the specific intramolecular C \cdots H...X interaction. Russian Chemical Bulletin, 1997, 46, 292-296.	1.5	4
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