# Antonio Rizzo

List of Publications by Year
in descending order

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|---|---|---|---|
| 161 papers | 4,004 citations | 101384 36 h-index | 189595 50 g-index |
| 168 all docs | 168 docs citations | 168 times ranked | 2014 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Predicting the Helical Sense of Poly(phenylacetylene)s from their Electron Circular Dichroism Spectra. Angewandte Chemie, 2018, 130, 3728-3732. | 1.6 | 16 |
| 2 | Predicting the Helical Sense of Poly(phenylacetylene)s from their Electron Circular Dichroism Spectra. Angewandte Chemie - International Edition, 2018, 57, 3666-3670. | 7.2 | 44 |
| 3 | A QM/MM and QM/QM/MM study of Kerr, Cottonâ€“Mouton and Jones linear birefringences in liquid acetonitrile. Physical Chemistry Chemical Physics, 2018, 20, 3831-3840. | 1.3 | 3 |
| 4 | Molecular Electric, Magnetic, and Optical Properties. , 2017, , 497-592. | | 5 |
| 5 | A complex-polarization-propagator protocol for magneto-chiral axial dichroism and birefringence dispersion. Physical Chemistry Chemical Physics, 2016, 18, 13267-13279. | 1.3 | 13 |
| 6 | Ab initio study of the enantio-selective magnetic-field-induced second harmonic generation in chiral molecules. Physical Chemistry Chemical Physics, 2016, 18, 1846-1858. | 1.3 | 3 |
| 7 | Origin-independent two-photon circular dichroism calculations in coupled cluster theory. Physical Chemistry Chemical Physics, 2016, 18, 13683-13692. | 1.3 | 8 |
| 8 | Theoretical investigation of the broad one-photon absorption line-shape of a flexible symmetric carbazole derivative. Physical Chemistry Chemical Physics, 2016, 18, 22889-22905. | 1.3 | 14 |
| 9 | A Combined Experimentalâ€“Computational Investigation to Uncover the Puzzling (Chiroâ€)optical Response of Pyridocyclophanes: Oneâ€•and Twoâ€Photon Spectra. Chemistry - A European Journal, 2015, 21, 12136-12147. | 1.7 | 15 |
| 10 | Applicability of medium-size basis sets in calculations of molecular dynamic polarisabilities. Molecular Physics, 2015, 113, 1786-1793. | 0.8 | 1 |
| 11 | Two-photon absorption and two-photon circular dichroism of hexahelicene derivatives: a study of the effect of the nature of intramolecular charge transfer. RSC Advances, 2015, 5, 17429-17437. | 1.7 | 32 |
| 12 | A computational protocol for the study of circularly polarized phosphorescence and circular dichroism in spin-forbidden absorption. Physical Chemistry Chemical Physics, 2015, 17, 19079-19086. | 1.3 | 15 |
| 13 | Circular and linear magnetic birefringences in xenon at Î» = 1064 nm. Journal of Chemical Physics, 2015, 142, 124313. | 1.2 | 6 |
| 14 | Molecular Electric, Magnetic, and Optical Properties. , 2015, , 1-97. | | 2 |
| 15 | Nuclear spin circular dichroism. Journal of Chemical Physics, 2014, 140, 134103. | 1.2 | 20 |
| 16 | On the origin of the very strong two-photon activity of squaraine dyes â€“ a standard/damped response theory study. Physical Chemistry Chemical Physics, 2014, 16, 8030-8035. | 1.3 | 7 |
| 17 | Two-Photon Circular Dichroism of an Axially Dissymmetric Diphosphine Ligand with Strong Intramolecular Charge Transfer. Journal of Physical Chemistry A, 2014, 118, 940-946. | 1.1 | 11 |
| 18 | Vibronic Coupling Dominates the Electronic Circular Dichroism of the Benzene Chromophore <sup>1</sup>L<sub>b</sub> band. Journal of Organic Chemistry, 2013, 78, 7398-7405. | 1.7 | 35 |

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| 19 | Applicability of medium-size basis sets in calculation of electric dipole dynamic polarisabilities and first hyperpolarisabilities of non-interacting molecules. Molecular Physics, 2013, 111, 1462-1469. | 0.8 | 4 |
| 20 | Ab initio study of the circular intensity difference in electric-field-induced second harmonic generation of chiral natural amino acids. Physical Chemistry Chemical Physics, 2013, 15, 1198-1207. | 1.3 | 13 |
| 21 | Communication: Nuclear quadrupole moment-induced Cotton-Mouton effect in noble gas atoms. Journal of Chemical Physics, 2013, 139, 181102. | 1.2 | 13 |
| 22 | A density functional theory study of magneto-electric Jones birefringence of noble gases, furan homologues, and mono-substituted benzenes. Journal of Chemical Physics, 2013, 139, 194311. | 1.2 | 1 |
| 23 | New basis sets for the evaluation of the COâ€“Ne van der Waals complex interaction induced electric dipole moment and polarizability surfaces. Molecular Physics, 2012, 110, 2503-2512. | 0.8 | 9 |
| 24 | The Effect of the Ï€-Electron Delocalization Curvature on the Two-Photon Circular Dichroism of Molecules with Axial Chirality. Journal of Physical Chemistry Letters, 2012, 3, 1808-1813. | 2.1 | 22 |
| 25 | First-order properties and Buckingham birefringence of N<sub>2</sub>O and OCS â€“ A computational (re)investigation. Molecular Physics, 2012, 110, 2543-2555. | 0.8 | 1 |
| 26 | Analysis of the Electronic Circular Dichroism Spectrum of (â^')â€“[9](2,5)Pyridinophane. Chirality, 2012, 24, 994-1004. | 1.3 | 6 |
| 27 | Molecular Electric, Magnetic, and Optical Properties. , 2012, , 361-441. | | 13 |
| 28 | Computational Challenges in Simulating and Analyzing Experimental Linear and Nonlinear Circular Dichroism Spectra.R-(+)-1,1â€²-Bis(2-naphthol) as a Prototype Case. Journal of Physical Chemistry B, 2011, 115, 811-824. | 1.2 | 29 |
| 29 | Two-Photon Polarization Dependent Spectroscopy in Chirality: A Novel Experimental-Theoretical Approach to Study Optically Active Systems. Molecules, 2011, 16, 3315-3337. | 1.7 | 23 |
| 30 | Damped response theory description of two-photon absorption. Journal of Chemical Physics, 2011, 134, 214104. | 1.2 | 42 |
| 31 | Ab initio study of excited state electronic circular dichroism. Two prototype cases: Methyl oxirane and R-(+)-1,1â€²-bi(2-naphthol). Journal of Chemical Physics, 2011, 134, 244109. | 1.2 | 20 |
| 32 | Relativistic four-component calculations of Buckingham birefringence using London atomic orbitals. Theoretical Chemistry Accounts, 2011, 129, 685-699. | 0.5 | 4 |
| 33 | Cavity field effects within a polarizable continuum model of solvation: Application to the calculation of electronic circular dichroism spectra of Râ€(+)â€3â€methylâ€cyclopentanone. International Journal of Quantum Chemistry, 2011, 111, 826-838. | 1.0 | 20 |
| 34 | David Bishop's approach to vibrational dynamic contributions to molecular properties: Application to Jones and magnetoelectric birefringences in diatomic molecules. International Journal of Quantum Chemistry, 2011, 111, 760-771. | 1.0 | 2 |
| 35 | Differences in Twoâ€Photon and Oneâ€Photon Absorption Profiles Induced by Vibronic Coupling: The Case of Dioxaborine Heterocyclic Dye. ChemPhysChem, 2011, 12, 3392-3403. | 1.0 | 22 |
| 36 | Twoâ€photon absorption circularâ€linear dichroism on axial enantiomers. Chirality, 2010, 22, E202-10. | 1.3 | 19 |

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| 37 | Twoâ€Photon Absorption Circular Dichroism: A New Twist in Nonlinear Spectroscopy. Chemistry - A European Journal, 2010, 16, 3504-3509. | 1.7 | 69 |
| 38 | Computational Study of the One- and Two-Photon Absorption and Circular Dichroism of (<scp>l</scp>)-Tryptophan. Journal of Physical Chemistry B, 2010, 114, 6500-6512. | 1.2 | 45 |
| 39 | Theory for Vibrationally Resolved Two-Photon Circular Dichroism Spectra. Application to (R)-(+)-3-Methylcyclopentanone. Journal of Physical Chemistry A, 2009, 113, 4198-4207. | 1.1 | 49 |
| 40 | Jones and magnetoelectric birefringence of pure substances â€" A computational study. Canadian Journal of Chemistry, 2009, 87, 1352-1361. | 0.6 | 5 |
| 41 | The COâ€"Ne van der Waals complex: ab initio intermolecular potential energy, interaction induced electric dipole moment and polarizability surfaces, and second virial coefficients. Physical Chemistry Chemical Physics, 2009, 11, 9871. | 1.3 | 19 |
| 42 | Analytic calculations of nonlinear mixed electric and magnetic frequency-dependent molecular properties using London atomic orbitals: Buckingham birefringence. Physical Chemistry Chemical Physics, 2009, 11, 816-825. | 1.3 | 14 |
| 43 | Ab Initio Study of the Magnetoâ€Optical Rotation of Diastereoisomers. ChemPhysChem, 2008, 9, 462-469. | 1.0 | 1 |
| 44 | Vibronically-induced change in the chiral response of molecules revealed by electronic circular dichroism spectroscopy. Chemical Physics Letters, 2008, 464, 144-149. | 1.2 | 47 |
| 45 | Vibronically Resolved Electronic Circular Dichroism Spectra of (R)-(+)-3-Methylcyclopentanone: A Theoretical Study. Journal of Physical Chemistry A, 2008, 112, 12401-12411. | 1.1 | 78 |
| 46 | Theoretical pressure and dielectric second virial coefficients of CO-Ar. Molecular Physics, 2008, 106, 881-892. | 0.8 | 6 |
| 47 | Solvent Effects on the Three-Photon Absorption of a Symmetric Charge-Transfer Molecule. Journal of Physical Chemistry B, 2008, 112, 4703-4710. | 1.2 | 15 |
| 48 | Strong Two-Photon Circular Dichroism in Helicenes:â€‰ A Theoretical Investigation. Journal of Chemical Theory and Computation, 2008, 4, 457-467. | 2.3 | 42 |
| 49 | Analytical calculations of frequency-dependent hypermagnetizabilities and Cottonâ€"Mouton constants using London atomic orbitals. Journal of Chemical Physics, 2008, 129, 164110. | 1.2 | 23 |
| 50 | Ab initio study of the one- and two-photon circular dichroism of R-(+)-3-methyl-cyclopentanone. Journal of Chemical Physics, 2008, 128, 164312. | 1.2 | 50 |
| 51 | Vibronic induced one- and two-photon absorption in a charge-transfer stilbene derivate. Journal of Chemical Physics, 2007, 126, 244509. | 1.2 | 34 |
| 52 | Recent Progress In The Computation Of Non Linear Optica Properties of Chiral Systems. AIP Conference Proceedings, 2007, , . | 0.3 | 0 |
| 53 | Ab initiostudy of interaction-induced NMR shielding constants in mixed rare gas dimers. Journal of Chemical Physics, 2007, 126, 074303. | 1.2 | 25 |
| 54 | Anab initioinvestigation of the Buckingham birefringence of furan, thiophene, and selenophene in cyclohexane solution. Journal of Chemical Physics, 2007, 127, 164321. | 1.2 | 13 |

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| 55 | Ab Initio Study of the Two-Photon Circular Dichroism in Chiral Natural Amino Acids. Journal of Physical Chemistry B, 2007, 111, 446-460. | 1.2 | 41 |
| 56 | Investigation of electric-field-gradient-induced birefringence in H2 and D2. Theoretical Chemistry Accounts, 2007, 117, 969-977. | 0.5 | 6 |
| 57 | Combined density functional/polarizable continuum model study of magnetochiral birefringence: Can theory and experiment be brought to agreement?. Journal of Chemical Physics, 2006, 125, 234105. | 1.2 | 23 |
| 58 | Optically induced circular and axial birefringences in achiral fluids: anab initiostudy of the optical Faraday effect. Molecular Physics, 2006, 104, 2173-2192. | 0.8 | 7 |
| 59 | Density dependence of electric properties of binary mixtures of inert gases. Molecular Physics, 2006, 104, 305-318. | 0.8 | 12 |
| 60 | Solvent effects on the conformational distribution and optical rotation of Î³-methyl paraconic acids and esters. Chirality, 2006, 18, 357-369. | 1.3 | 32 |
| 61 | The nuclear-spin-rotation constants of HCY, HSiY, and SiY2 (Y=F, Cl): An ab initio study. Journal of Chemical Physics, 2006, 124, 064302. | 1.2 | 18 |
| 62 | Nonlinear effects in the interaction of time-dependent fields and chiral systems: A computational investigation. Journal of Chemical Physics, 2006, 125, 054107. | 1.2 | 10 |
| 63 | Origin invariant approaches to the calculation of two-photon circular dichroism. Journal of Chemical Physics, 2006, 125, 064113. | 1.2 | 35 |
| 64 | Accurate Nonlinear Optical Properties for Small Molecules. Challenges and Advances in Computational Chemistry and Physics, 2006, , 51-99. | 0.6 | 23 |
| 65 | The magnetizability, rotational g tensor and quadrupole moment of the boron trihalides. Molecular Physics, 2006, 104, 847-856. | 0.8 | 4 |
| 66 | Critical analysis of the spin-rotation constants of CF2 and CCl2: A theoretical investigation. Chemical Physics Letters, 2005, 409, 118-123. | 1.2 | 24 |
| 67 | Response theory calculations of two-photon circular dichroism. Chemical Physics Letters, 2005, 414, 461-467. | 1.2 | 40 |
| 68 | Kerr effect of molecular oxygen at Î»=1064 nm. European Physical Journal D, 2005, 36, 261-269. | 0.6 | 7 |
| 69 | Effect of the environment on vibrational infrared and circular dichroism spectra of (s)-proline. International Journal of Quantum Chemistry, 2005, 104, 744-757. | 1.0 | 26 |
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| 71 | Density-functional theory study of electric and magnetic properties of hexafluorobenzene in the vapor phase. Journal of Chemical Physics, 2005, 122, 234314. | 1.2 | 27 |
| 72 | Four-component Hartreeâ€“Fock calculations of magnetic-field induced circular birefringenceâ€”Faraday effectâ€”in noble gases and dihalogens. Journal of Chemical Physics, 2005, 122, 074321. | 1.2 | 7 |

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| 73 | Birefringences: A Challenge for Both Theory and Experiment. Advances in Quantum Chemistry, 2005, , 143-184. | 0.4 | 26 |
| 74 | Quantum Mechanical Polarizable Continuum Model Approach to the Kerr Effect of Pure Liquids. Journal of Physical Chemistry B, 2005, 109, 18706-18714. | 1.2 | 29 |
| 75 | The molecular electric quadrupole moment and electric-field-gradient induced birefringence (Buckingham effect) of Cl2. Journal of Computational Methods in Sciences and Engineering, 2004, 4, 365-380. | 0.1 | 2 |
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| 77 | The Cotton-Mouton effect of neon and argon: A benchmark study using highly correlated coupled cluster wave functions. Journal of Chemical Physics, 2004, 121, 9461-9473. | 1.2 | 16 |
| 78 | Electric field effects on the shielding constants of noble gases: A four-component relativistic Hartree-Fock study. Journal of Chemical Physics, 2004, 121, 3051-3057. | 1.2 | 40 |
| 79 | Conformational Effects on the Optical Rotation of Alanine and Proline. Journal of Physical Chemistry A, 2004, 108, 4269-4276. | 1.1 | 103 |
| 80 | Coupled cluster calculations of the ground state potential and interaction induced electric properties of the mixed dimers of helium, neon and argon. Molecular Physics, 2004, 102, 101-110. | 0.8 | 65 |
| 81 | Relativistic effects on the electric polarizabilities and their geometric derivatives for hydrogen halides and dihalogens â€" a Diracâ€"Hartreeâ€"Fock study. Chemical Physics Letters, 2003, 370, 578-588. | 1.2 | 17 |
| 82 | Sternheimer shieldings and EFG polarizabilities: a density-functional theory study. Chemical Physics Letters, 2003, 372, 377-385. | 1.2 | 4 |
| 83 | Relativistic effects on Sternheimer shieldings and the polarizabilities of the electric-field gradient at the nucleus: HX (X=F,Cl,Br,I,At) and Br2. Computational and Theoretical Chemistry, 2003, 633, 163-176. | 1.5 | 7 |
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| 85 | Density dependence of the electric-field-gradient induced birefringence of the helium, neon and argon gases. Molecular Physics, 2003, 101, 1851-1865. | 0.8 | 7 |
| 86 | The Cottonâ€"Mouton effect of furan and its homologues in the gas phase, for the pure liquids and in solution. Journal of Chemical Physics, 2003, 118, 10712-10724. | 1.2 | 37 |
| 87 | Ab initio calculation of the refractivity and hyperpolarizability second virial coefficients of neon gas. Molecular Physics, 2003, 101, 1983-1995. | 0.8 | 30 |
| 88 | On the electric field gradient induced birefringence and electric quadrupole moment of CO, N[sub 2]O, and OCS. Journal of Chemical Physics, 2003, 118, 7329. | 1.2 | 37 |
| 89 | Jones birefringence in gases:Ab initioelectron correlated results for atoms and linear molecules. Journal of Chemical Physics, 2003, 119, 11064-11079. | 1.2 | 42 |
| 90 | Shielding polarizabilities calculated at the coupled-cluster singles and doubles level augmented by a perturbative treatment of triple excitations. Journal of Chemical Physics, 2002, 116, 869-877. | 1.2 | 18 |

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| 92 | Ab initiostudy of magnetochiral birefringence. Journal of Chemical Physics, 2002, 117, 6417-6428. | 1.2 | 51 |
| 93 | Interatomic interactions and the Cottonâ€"Mouton effect for helium. Molecular Physics, 2002, 100, 799-807. | 0.8 | 15 |
| 94 | The effect of intermolecular interactions on the electric properties of helium and argon. III. Quantum statistical calculations of the dielectric second virial coefficients. Journal of Chemical Physics, 2002, 117, 2609-2618. | 1.2 | 60 |
| 95 | Linear response coupled cluster calculation of Raman scattering cross sections. Journal of Chemical Physics, 2002, 116, 1259-1268. | 1.2 | 28 |
| 96 | Vibrational Raman and Raman Optical Activity Spectra ofd-Lactic Acid,d-Lactate, andd-Glyceraldehyde:Â Ab Initio Calculations. Journal of Physical Chemistry A, 2002, 106, 11008-11016. | 1.1 | 94 |
| 97 | A coupled cluster response study of the electric dipole polarizability, first and second hyperpolarizabilities of HCl. Physical Chemistry Chemical Physics, 2002, 4, 2884-2890. | 1.3 | 15 |
| 98 | The Cottonâ€"Mouton effect of gaseous CO2, N2O, OCS, and CS2. A cubic response multiconfigurational self-consistent field study. Journal of Chemical Physics, 2001, 114, 8372-8381. | 1.2 | 15 |
| 99 | Coupled-cluster calculation of dispersion contributions to interaction energies and polarizabilities. Theoretical Chemistry Accounts, 2001, 106, 251-258. | 0.5 | 17 |
| 100 | The Cottonâ€"Mouton effect of gaseous N2, CO, CO2, N2O, OCS and CS2: a density functional approach to high-order mixed electric and magnetic properties. Chemical Physics Letters, 2001, 346, 251-258. | 1.2 | 16 |
| 101 | On the molecular electric quadrupole moment and the electric-field-gradient-induced birefringence of CO2 and CS2. Chemical Physics Letters, 2000, 326, 269-276. | 1.2 | 83 |
| 102 | Gaussian Type Orbitals basis sets for the calculation of continuum properties in molecules: the differential photoionization cross section of acetylene. Chemical Physics, 2000, 252, 67-81. | 0.9 | 9 |
| 103 | Coupled cluster investigation of Sternheimer shieldings and electric field gradient polarizabilities. Journal of Chemical Physics, 2000, 113, 1688-1697. | 1.2 | 7 |
| 104 | Ab initio study of the electric-field-gradient-induced birefringence of a polar molecule: CO. Journal of Chemical Physics, 2000, 113, 3077-3087. | 1.2 | 36 |
| 105 | A Study of the Nitrogen NMR Spectra of Azoles and their Solvent Dependence. Journal of Physical Chemistry A, 2000, 104, 1466-1473. | 1.1 | 29 |
| 106 | A Density Functional Study of Open-Shell Cyclopentadienylâ^'Molybdenum(II) Complexes. A Comparison of Stabilizing Factors:â€‰ Spin-Pairing, Moâ^'X Ï€ Bonding, and Release of Steric Pressure. Inorganic Chemistry, 2000, 39, 517-524. | 1.9 | 16 |
| 107 | The effect of intermolecular interactions on the electric properties of helium and argon. I. Ab initio calculation of the interaction induced polarizability and hyperpolarizability in He2 and Ar2. Journal of Chemical Physics, 1999, 111, 10099-10107. | 1.2 | 75 |
| 108 | The effect of intermolecular interactions on the electric properties of helium and argon. II. The dielectric, refractivity, Kerr, and hyperpolarizability second virial coefficients. Journal of Chemical Physics, 1999, 111, 10108-10118. | 1.2 | 48 |

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| 109 | A study of the effect of circularly polarized light on NMF spectra and related properties of CS<sub>2</sub>. Molecular Physics, 1999, 96, 855-861. | 0.8 | 10 |
| 110 | Ab initiocalculation of the frequency-dependent interaction induced hyperpolarizability of Ar2. Journal of Chemical Physics, 1999, 110, 2872-2882. | 1.2 | 46 |
| 111 | The electric-field-gradient-induced birefringence of Helium, Neon, Argon, and SF6. Journal of Chemical Physics, 1999, 111, 7828-7836. | 1.2 | 26 |
| 112 | The differential magnetizability and the Cottonâ€"Mouton effect of gases. Molecular Physics, 1999, 96, 973-978. | 0.8 | 10 |
| 113 | Ab initio determinations of magnetic circular dichroism. Chemical Physics Letters, 1999, 300, 61-68. | 1.2 | 66 |
| 114 | The differential magnetizability and the Cotton-Mouton effect of gases. Molecular Physics, 1999, 96, 973-978. | 0.8 | 12 |
| 115 | A study of the effect of circularly polarized light on NMR spectra and related properties of CS2. Molecular Physics, 1999, 96, 855-861. | 0.8 | 14 |
| 116 | MCSCF nuclear magnetic shieldings and spin-rotation constants of 17O in 16O17O16O and 17O16O16O. Chemical Physics Letters, 1998, 287, 677-681. | 1.2 | 11 |
| 117 | MCSCF polarizability and hyperpolarizabilities of HCl and HBr. Chemical Physics Letters, 1998, 288, 677-688. | 1.2 | 21 |
| 118 | Some recent developments of high-order response theory. International Journal of Quantum Chemistry, 1998, 70, 219-239. | 1.0 | 33 |
| 119 | Coupled cluster investigation of the electric-field-gradient-induced birefringence of H2, N2, C2H2, and CH4. Journal of Chemical Physics, 1998, 109, 7176-7184. | 1.2 | 40 |
| 120 | Electric field gradient, generalized Sternheimer shieldings and electric field gradient polarizabilities by multiconfigurational SCF response. Journal of Chemical Physics, 1998, 109, 2264-2274. | 1.2 | 14 |
| 121 | The Cottonâ€"Mouton effect of liquid water. Part II: The semi-continuum model. Journal of Chemical Physics, 1998, 108, 599-603. | 1.2 | 20 |
| 122 | Gaussian-type-orbital basis sets for the calculation of continuum properties in molecules: The differential photoionization cross section of molecular nitrogen. Physical Review A, 1998, 57, 1895-1905. | 1.0 | 46 |
| 123 | Ab initio Study of Nitrogen-14 Nuclear Quadrupole Coupling and NMR Signal Linewidths in Some Azoles. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 362-369. | 0.7 | 4 |
| 124 | The hypermagnetizability of molecular oxygen. Journal of Chemical Physics, 1997, 106, 8552-8563. | 1.2 | 18 |
| 125 | The Cotton-Mouton effect in gases: Experiment and theory. International Reviews in Physical Chemistry, 1997, 16, 81-111. | 0.9 | 115 |
| 126 | Theoretical Study of the 15- and 17-Electron Structures of Cyclopentadienylchromium(III) and Cyclopentadienylmolybdenum(III) Complexes. Dichloride and Dimethyl Compounds. Journal of Physical Chemistry A, 1997, 101, 9801-9812. | 1.1 | 30 |

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| 127 | The Cotton-Mouton effect of liquid water. Part I: The dielectric continuum model. Journal of Chemical Physics, 1997, 107, 894-901. | 1.2 | 20 |
| 128 | Cotton-Mouton effect and shielding polarizabilities of ethylene: An MCSCF study. Chemical Physics, 1997, 216, 53-66. | 0.9 | 29 |
| 129 | Coupled cluster calculations of Verdet constants. Chemical Physics Letters, 1997, 281, 445-451. | 1.2 | 22 |
| 130 | MCSCF calculation of the frequency-dependent hyperpolarizability of the lithium atom. International Journal of Quantum Chemistry, 1996, 60, 487-492. | 1.0 | 5 |
| 131 | MCSCF calculations of hypermagnetizabilities and nuclear shielding polarizabilities of CO and CH<sub>4</sub>. Molecular Physics, 1996, 88, 931-947. | 0.8 | 39 |
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| 134 | Structure and properties of fractional charge molecular systems: Quark molecular hydrogen ions. Molecular Physics, 1995, 86, 397-414. | 0.8 | 2 |
| 135 | MCSCF calculation of response properties of Argon. Theoretica Chimica Acta, 1995, 90, 291-306. | 0.9 | 21 |
| 136 | Electric field dependence of magnetic properties: Multiconfigurational selfâ€consistent field calculations of hypermagnetizabilities and nuclear shielding polarizabilities of N2, C2H2, HCN, and H2O. Journal of Chemical Physics, 1995, 102, 8953-8966. | 1.2 | 89 |
| 137 | Multiconfiguration selfâ€consistent field quadratic response calculations of the twoâ€photon transition probability rate constants for argon. Journal of Chemical Physics, 1994, 101, 4931-4935. | 1.2 | 17 |
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| 139 | Gaussian type orbital basis sets for the calculation of continuum properties in molecules: The photoionization cross section of H2. Journal of Chemical Physics, 1993, 98, 8742-8748. | 1.2 | 41 |
| 140 | The magnetic hyperpolarizability anisotropy of the neon atom. Chemical Physics Letters, 1992, 191, 599-602. | 1.2 | 17 |
| 141 | Selected topics in ab initio computational chemistry in both very small and very large chemical systems. Chemical Reviews, 1991, 91, 679-699. | 23.0 | 56 |
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| 143 | Correlation energies in the isoelectronic series of He, Li, Be and Ne. Chemical Physics Letters, 1991, 177, 477-482. | 1.2 | 29 |
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| 145 | Angular distribution of photoelectrons from twoâ€photon ionization in molecules: H2O. Journal of Chemical Physics, 1990, 92, 2883-2890. | 1.2 | 8 |
| 146 | Characteristics and some peculiarities of multiconfigurational selfâ€consistent field stationary points of the Liâ^'ground state. Journal of Chemical Physics, 1990, 93, 8011-8020. | 1.2 | 12 |
| 147 | The multiconfigurational spin tensor electron propagator method (MCSTEP): Electron affinities of Li, Na, and K. Journal of Chemical Physics, 1989, 91, 5451-5454. | 1.2 | 28 |
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| 150 | AB initio linear response calculations of the dipole polarizability of the acetylene molecule. Chemical Physics Letters, 1988, 149, 79-84. | 1.2 | 25 |
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| 152 | Application of the multiconfiguration timeâ€dependent Hartreeâ€"Fock method to CH+: The auxiliary active space. Journal of Chemical Physics, 1988, 89, 3063-3070. | 1.2 | 11 |
| 153 | Accurate transition moments between theAâ€‰³Î£+u,Bâ€‰³Îg, andBâ€™â€‰³Î£â^'uof N2using multiconfigurational linear response. Journal of Chemical Physics, 1988, 89, 1533-1539. | 1.2 | 13 |
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