

Michał Tomza

Lista publikacji

z dnia 31 października 2014

Publikacje w czasopismach

1. Tomza M., 2014, **Ab initio properties of the ground-state polar and paramagnetic europium--alkali-metal-atom and europium--alkaline-earth-metal-atom molecules**, Phys. Rev. A 90, 022514
2. M. Tomza, Gonzalez-Ferez R., Koch C. P., Moszynski R., 2014, **Controlling magnetic Feshbach resonances in polar open-shell molecules with non-resonant light**, Phys. Rev. Lett. 112, 113201
3. Tomza M., Madison K. W. , Moszynski R., Krems R. V., 2013, **Chemical reactions of ultracold alkali-metal dimers in the lowest-energy $^3\Sigma$ state**, Phys. Rev. A 88, 050701(R)
4. Tomza M., 2013, **Prospects for ultracold polar and magnetic chromium--closed-shell-atom molecules**, Phys. Rev. A 88, 012519
5. Amaran S., Kosloff R., Tomza M., Skomorowski W., Pawłowski F., Moszynski R., Rybak L., Levin L., Amitay Z., Berglund J. M. , Reich D. M., Koch C. P., 2013, **Femtosecond two-photon photoassociation of hot magnesium atoms: A quantum dynamical study using thermal random phase wavefunctions**, J. Chem. Phys. 139, 164124
6. Tomza M., Skomorowski W., Musiał M., Gonzalez-Ferez R., Koch C. P., Moszynski R., 2013, **Interatomic potentials, electric properties and spectroscopy of the ground and excited states of the Rb₂ molecule: *ab initio* calculations and effect of a non-resonant field**, Mol. Phys. 111, 1781
7. Tomza M., Goerz M. H., Musiał M., Moszynski R., Koch C. P., 2012, **Optimized production of ultracold ground-state molecules: Stabilization employing potentials with ion-pair character and strong spin-orbit coupling**, Phys. Rev. A 86, 043424
8. Rybak L., Amaran S., Levin L., Tomza M., Moszynski R., Kosloff R., Koch C. P., Amitay Z., 2011, **Generating Molecular Rovibrational Coherence by Two-Photon Femtosecond Photoassociation of Thermally Hot Atoms**, Phys. Rev. Lett. 107, 273001
9. Rybak L., Amitay Z., Amaran S., Kosloff R., Tomza M., Moszynski R., Koch C. P., 2011, **Femtosecond coherent control of thermal photoassociation of magnesium atoms**, Farad. Discuss. 153, 383
10. Tomza M., Pawłowski F., Jeziorska M., Koch C. P., Moszynski R., 2011, **Formation of ultracold SrYb molecules in an optical lattice by photoassociation spectroscopy: theoretical prospects**, Phys. Chem. Chem. Phys. 13, 18893