

## **2013**

- [1] Kazuhide Ichikawa, Masahiro Fukuda and Akitomo Tachibana,  
“Study of Simulation Method of Time Evolution in Rigged QED”,  
International Journal of Quantum Chemistry, 113, 190-202 (2013)  
DOI: 10.1002/qua.24087
- [2] Akitomo Tachibana,  
“Electronic Stress with Spin Vorticity”,  
Concepts and Methods in Modern Theoretical Chemistry: Electronic Structure and Rea  
ctivity (Atoms, Molecules, and Clusters); Eds. by Swapan K.Ghosh and Pratim K.Chat  
taraj;  
Taylor & Francis / CRC Press, 2013; Chapter 12, pp.235-251
- [3] Masato Senami, Toshihide Miyazato, Soujirou Takada, Yuji Ikeda, Akitomo Tachibana,  
“Time Evolution of Heisenberg Operators of Nuclei and Electrons of QED System Ba  
sed on Field Theory”,  
Journal of Physics: Conference Series 454, 012052(7), (2013)  
[doi:10.1088/1742-6596/454/1/012052](https://doi.org/10.1088/1742-6596/454/1/012052)
- [4] Yuji Ikeda, Masato Senami, and Akitomo Tachibana,  
“Coupled perturbed Hartree-Fock method for non-Hermitian Hamiltonians”,  
Journal of Physics: Conference Series 454, 012053(9), (2013)  
[doi:10.1088/1742-6596/454/1/012053](https://doi.org/10.1088/1742-6596/454/1/012053)
- [5] Masahiro Fukuda, Masato Senami, Akitomo Tachibana,  
“Spin Torque and Zeta Force in Allene Type Molecules”,  
Advances in Quantum Methods and Applications in Chemistry, Physics, and Biology  
Progress in Theoretical Chemistry and Physics, Volume 27; Eds. Matti Hotokka, Erkki  
J. Brändas, Jean Maruani, Gerardo Delgado-Barrio;  
Springer, 2013, Chapter 7, pp 131-139.  
[doi:10.1007/978-3-319-01529-3\\_7](https://doi.org/10.1007/978-3-319-01529-3_7)
- [6] Yuji Ikeda, Masato Senami, and Akitomo Tachibana,  
“A Non-Hermitian Coupled Perturbed Hartree-Fock Method for Complex Potentials an  
d Calculations of Electronic Structures with Electric Currents”,  
Transactions of the Materials Research Society of Japan, 38[3] pp. 397-404

[7] Masato Senami, Youji Ogiso, Toshihide Miyazato, Fumiya Yoshino, Yuji Ikeda, and Akitomo Tachibana

“Rigged QED Analysis of Local Dielectric Response”,  
Transactions of the Materials Research Society of Japan

[8] Masato Senami, Soujiro Takada, and Akitomo Tachibana

“Description of Photon Field in Dynamics Simulation of Bound States Based on Quantum Field Theory”,  
Journal of the Physical Society of Japan Supplement