List of Poster Presentations

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	Quantization of chemical reaction: the dynamic correlation diagram method free from
	noncrossing rule
3PP-03	Boris N. Plakhutin (Russian Academy of Sciences)
	Additional variational condition in the ROHF method ensuring a fulfillment of Koopmans'
3PP-04	Tatiya Chokbunpiam (Chulalongkorn University)
	The electronic properties of organic dyes porphyrin-thiophene-perylene and its derivatives
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3PP-05	Ines Urdaneta (Benemerita Universidad Autonoma de Puebla)
	Franck-Condon factors for diatomic molecules for an arbitrary anharmonic potential
3PP-06	Matthias Degroote (Ghent University)
	Faddeev random phase approximation for molecules
3PP-07	Minoru Hoshino (Nissan Chemical Industries, LTD.)
	Development and applications of divide-and-conquer constrained self-consistent field method
3PP-08	Atsushi Kubo (Kyoto University)
	Gauge function optimization for accurate calculations of magnetic wavefunctions
3PP-09	Stella Stopkowicz (University of Mainz)
	Relativistic corrections via fourth-order direct perturbation theory
3PP-10	Lan Cheng (University of Mainz)
	Analytic energy derivatives in relativistic quantum chemistry: Rigorous treatments of both
	scalar-relativistic and electron-correlation effects
3PP-11	Masayuki Kawahata (Toyohashi University of Technology)
	Solution of time-dependent Schrodinger equation by quantum walk
3PP-12	Junji Seino (Waseda University)
	Local unitary transformation in two-component relativistic scheme for large-scale molecular
	systems
3PP-13	Vasile Georgescu (Romanian Academy)
	Thermoprogrammed reduction and thermoprogrammed desorption studies of metallic and
	oxidic catalysts
3PP-14	Takesi Nagata (Kyoto University)
	Recent development of the analytic gradient in the fragment molecular orbital method
3PP-15	Yuka Nakamura (Kyushu University)
	A perturbation theory for friction of a large particle immersed in a binary solvent
3PP-16	Zhendong Li (Peking University)
	Spin-adapted open-shell TDDFT

3PP-17	Shusuke Yamanaka (Osaka University)
	Assessment of density functional theory for calculations of magnetic interactions of
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3PP-18	Hui-Lung Chen (Chinese Culture University)
	Computational investigation on adsorption and dissociation of NH ₃ molecule on Fe(111)
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	Spin-orbit TDDFT calculations with long-range correction
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0	Analytic derivatives of quartic-scaling doubly hybrid XYGJ-OS functional: Theory and
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011 22	Implementation and numerical assessment of local response dispersion method
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511 24	On the external source method for Kubo-transformed quantum correlation functions
3PP-25	Ikuo Fukuda (RIKEN)
311-23	Zero-dipole summation method for precisely estimating electrostatic interaction in molecular
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3PP-26	Yusuke Ootani (RIKEN Advanced Institute for Computational Science)
011 20	Ab initio molecular dynamics approach to tunneling splitting in polyatomic molecules
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3PP-29	Potjaman Poolmee (Kasetsart University)
00	Photophysical properties and vibrational structure of ladder-type penta p-phenylene and
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	Analysis of the effect of intermolecular interactions on dielectric properties in hydrogen-
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	Theoretical study of luminescent vapochromic complexes including AuCu ₂ (NHC) ₂ core
3PP-49	Gergely Juhasz (Kyushu University)
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3PP-51	Hitomi Suto (Ochanomizu University)
	Structures and binding properties of noble gas compounds: NgBeO and NgBeOBH ₃ (Ng = He,
2DD 50	Ne, Ar) Masayuki Nakadaki (Kyoto University)
3PP-52	Masayuki Nakagaki (Kyoto University) Theoretical study of inverted candwich type dipusions complexes of othylone and dipitrogen
	Theoretical study of inverted sandwich type dinuclear complexes of ethylene and dinitrogen

molecules

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3PP-56	Cristopher Camacho (Nagoya University)
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3PP-57	Terutaka Yoshizawa (Kyoto University)
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3PP-58	Takashi Kawakami (Osaka University)
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3PP-59	Yutaka Imamura (Waseda Univeristy)
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	Characteristic fluxional behavior and bonding nature of hydrogen-bridged bis(silylene)
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	The internal configuration inversion of ortho-phenylene derivative
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	Simultaneous analyses of photoinduced electron transfer in the wild- and mutant-types of the
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3PP-66	Alexander V. Glushkov (Odessa University)
	Raman scattering of the light on metastable levels of diatomics with an account for nuclear motion contribution
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	Linearly conjugated chains exposed to an electric field: A closer look on the polarizabilities
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	Molecular modeling of silver adsorption on α-quartz surface

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	Theoretical study of [2+2] cycloaddition of cyclopentyne and ehtylene: Multireference and
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	Structural study of alpha-tetragonal boron by computational method
3PP-74	Mikiya Fujii (The University of Tokyo)
	Packing effects in organic donor-acceptor molecular heterojunctions
3PP-75	Yuh Hijikata (Kyoto University)
	Theoretical study of interaction between gas molecule and paddle-wheel unit of MOF
3PP-76	Akira Imamura (Hiroshima Kokusai Gakuin University)
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3PP-78	Go Tei (Osaka Prefecture University)
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3PP-79	Nanami Seki (Hokkaido University)
	Theoretical study on electronic structures of μ -oxo-bridged manganese complex

Sunday, September 4 (18:30 - 20:30)

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4PP-02	Debalina Sinha (Indian Association for the Cultivation of Science)
	Formulation and implementation of a state-specific multi-reference coupled-cluster (SS-MRCC) theory using an internally contracted reference function.
4PP-03	Boris N. Plakhutin (Russian Academy of Sciences)
	Active CI space for ionized systems as defined by Koopmans' theorem
4PP-04	Fan Wang (Sichuan University)
	Open-shell coupled-cluster theory with spin-orbit coupling
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	Multilevel extension of the cluster-in-molecule method for the chemical reactions of large molecules
4PP-06	Henryk A. Witek (National Chiao Tung University)
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4PP-07	Moto Tarumi (Waseda University)
	Antisymmetric product of strongly orthogonal geminals (APSG): Its acceleration and extension to open-shell systems
4PP-08	Masayuki Ochi (The University of Tokyo)
	Efficient algorithm of the transcorrelated method for periodic systems - feasible wavefunction based approach for solids -
4PP-09	Hideaki Ishikawa (Home)
	Numerical analysis for eigenvalue problems in quantum mechanics and atomic structure calculations
4PP-10	Robert Izsak (Bonn University)
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4PP-11	Hirofumi Sato (Kyoto University)
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4PP-13	Ye Cao (National University of Singapore)
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4PP-14	Kanjarat Sukrat (Chulalongkorn University)
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4PP-15	Tomoo Miyahara (Quantum Chemistry Research Institutte)
	Giant SAC-CI: Application to proteins
4PP-16	Joonho Park (Korea Advanced Institute of Science and Technology)
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4PP-17	Yasutaka Kitagawa (Osaka University)
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4PP-18	Tatsuji Sano (The University of Electro-Communications)
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4PP-20	Hiroaki Umeda (National Institute of Natural Sciences)
	OpenMP/MPI hybrid parallelization of GAMESS
4PP-21	Fengyi Liu (Kyoto University)
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4PP-22	Michio Katouda (Institute for Molecular Science)
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4PP-23	Takuma Yamamoto (Keio University)
	Calculation of rate constant for excitation energy transfer by Fermi's golden rule
4PP-24	Takeshi Yoshikawa (Waseda University)
	Divide-and-conquer symmetry-adapted cluster method
4PP-25	Lukman Hakim (Okayama University)
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4PP-26	Lukman Hakim (Okayama University)
	On the thermodynamic stability of hydrogen hydrates of ice Ic and ice II structures: A
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4PP-27	Marzio Rosi (University of Perugia)
	Theoretical study of reactions relevant for atmospheric models of Titan: Excited nitrogen
4DD 00	atoms with methane, ethene and ethane
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4DD 20	Description of time evolution and dielectric response based on rigged QED
4PP-29	Oscar Olvera-Neria (Universidad Autonoma Metropolitana Azcapotzalco)
	A comparative ab initio multireference Møller-Plesset perturbation study for N ₂ O binding and
4PP-30	activation by atomic excited states of Au, Pd, Pt and Rh
4FF-30	Yoshiumi Kawamura (Toyota Motor Corporation) First principle calculation for hydriding reaction of metal boride
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4PP-33	Masaki Okoshi (Waseda University)
- 111 00	Acceleration of CASSCF-MD simulation and its application to intramolecular charge transfer
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	Di i stady of methyly halogen exchange reaction of it complexes with phosphilic ligatio

4PP-36	Takayuki Fujiwara (Rikkyo University)
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4PP-42	Shinji Aono (Fukui Institute for Fundamental Chemistry, Kyoto University)
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4PP-43	Ken Sakata (Hoshi University)
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4PP-44	Masahiro Kunimoto (Waseda University)
	Theoretical study on catalytic activity of metal surfaces on P-H bond cleavage of
4PP-45	Yasumitsu Suzuki (The University of Tokyo)
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	multicomponent density functional theory
4PP-46	Junko Takahashi (University of Leiden)
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4PP-47	Yu Harabuchi (Hokkaido University)
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	tetrachloride: A molecular dynamics simulation
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	Molecular modeling on anti-tuberculosis agent to investigate the structural basis for
400 = 5	improving potency against M. tuberculosis strain
4PP-52	My Hoa Nguyen (Vietnam National University, Hanoi (VNU))
	Study on the mechanism for the reaction of PBP2a with beta-taclam inhibitors by ONIOM

4PP-53	ryo watanabe (Ibaraki University) Molecular dynamics study on complex between prostacyclin synthetase and prostaglandin H ₂
4PP-54	Kyohei Hanaoka (University of Tsukuba)
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4PP-55	Yu Takano (Osaka University)
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4PP-58	Takao Otsuka (RIKEN)
	Theoretical study on hydrated DNA systems by linear-scaling DFT code CONQUEST
4PP-59	Masaaki Saitow (Rikkyo University)
	Electronic excited state of a series of porphyrin molecules: Development of an effective renormalization scheme
4PP-60	Yuka Koyama (Ochanomizu University)
	Interaction analysis of HIV-1 antibody 2G12 and glycans using FMO calculations
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	Fragment-DFT calculation on the interaction energy between HIV-1 protease and its inhibitor
4PP-62	Lina Ding (Kyoto University)
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4PP-63	Takefumi Yamashita (University of Tokyo)
	Effects of phospholipid bilayers on the hydrated excess proton behavior: A computational
4PP-64	Osamu Miyashita (University of Arizona)
	Effect of crystal packing on protein conformation and dynamics
4PP-65	Kaori Ueno-Noto (Kitasato University)
	A theoretical analysis on the interaction between Siglec-7 and its ligand by molecular
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4PP-66	Tatsuya Joutsuka (Kyoto University)
	Electron transfer from cytochrome f to plastocyanin
4PP-67	Toru Matsui (Osaka University)
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4PP-68	Hirotaka Nishioka (Kyoto University)
	Electronic coupling calculation and pathway analysis of electron transfer reaction by using ab initio fragment-based method
4PP-69	Patchreenart Saparpakorn (Waseda University)
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4PP-70	Hiroaki Saito (Kanazawa University)
	Binding free energy of oxidized azurin-reduced cytochrome c551 complex

	Towards making periodic table of motifs in irreducible decomposition of protein folding
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	Effect of multivalent ion on attractive interaction between like-charged macromolecules
	immersed in an electrolyte solution
4PP-73	Kaori Fukuzawa (Mizuho Information & Research Institute Inc.)
	Fragment molecular orbital study for interaction between influenza virus neuraminidase and antiviral drug
4PP-74	Jun Ohnuki (Waseda University)
	Energetical validation of the cleft open-close and the lever-arm swing of molecular motor
4PP-75	Yuta Tsuji (Kyushu University)
	Orbital views of molecular conductance perturbed by anchor units
4PP-76	Hiroyuki Tamura (Tohoku University)
	Quantum dynamics for organic solar cells
4PP-77	Joonghan Kim (Fukui Institute for Fundamental Chemistry, Kyoto University)
	Determination of local chirality of irregular single-walled carbon nanotube based on individual hexagons
4PP-78	Haibei Li (Kyoto University)
	Fullerene formation from hydrocarbon combustions: Quantum chemical molecular dynamics
4PP-79	Tatsuhiko Ohto (The University of Tokyo)
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	Functional features of voids of nanosized golden fullerenes
4PP-81	Shotaro Watanabe (University of Tsukuba)
	Theoretical investigation of charge-transport properties in organic single crystals from
	constrained density functional theory
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	Catalytic activity of gold clusters on the "inert" h-BN surface
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	QM/MD simulations of graphene hydrogenation
4PP-84	Noriyuki Mizoguchi (Meiji Pharmaceutical University)
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4PP-85	Alexander V. Glushkov (Odessa University)
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4PP-71 Masanori Yamanaka (Nihon University)