No.	Author(s)	Affiliation(s)	Title
	Kenichi Koizumi, Katsuyuki Nobusada, Mauro Boero	Institute of Molecular science, Japan, ESICB, Kyoto University, Japan, IPCMS, France	Simple but efficient method for inhibiting sintering of catalytic Pt nano-clusters on metaloxide support evidenced by Car-Parrinello Molecular Dynamics Simulation
2	Sagarmoy Mandal, Jayashrita Debnath, Nisanth N Nair	Department of Chemistry, Indian Institute of Technology Kanpur, India	Ab Initio MD Simulations with Hybrid Functionals: Implementation and Application
3	Tatsuhiko Ohto	Graduate School of Engineering Science, Osaka University, Japan	Trimethylamine-N-oxide: its hydration structure and surface activity, viewed by vibrational spectroscopy and molecular dynamics simulations
4	Sushma Yadav, Amalendu Chandra	Department of Chemistry, Indian Institute of Technology Kanpur, India	Anisotropic Solvation Structure, Polarity and Dynamics of Polyoxyanions in Aqueous Solutions from Car-Parrinello Molecular Dynamics Simulations
5	K. Soniya, S. Awasthi, N.N. Nair and A. Chandra	Department of Chemistry, Indian Institute of Technology Kanpur, India	Mechanism and Free Energy Pathways of Transimination Reaction at the Active Site of Aspartate Aminotransferase (AspAT) in Aqueous Medium
6	Danjo De Chavez, Jun-ya Hasegawa H. Sawada, K.	Graduate School of Chemical Sciences and Engineering, Hokkaido University, Japan	Directional Dependence of <i>Ea</i> Changes in Mechanochemical Activation
	Kawakami, F. Kormann, B.	Nippon Steel & Sumitomo Metal Corporation, Japan, Max-Planck-Institut für Eisenforschun, GmbH, Germany	Partitioning of Cr and Si between cementite and ferrite derived from first-principles thermodynamics
8	Akira Nakayama, Masazumi Tamura, Ken-ichi Shimizu, Jun-ya Hasegawa	Institute for Catalysis, Hokkaido University, Japan, JST PRESTO, Japan, Graduate School of Engineering, Tohoku University, Japan	Catalytic Reactions at the Water/CeO2 Interface: Hydration of 2-Cyanopyridine
	Hiroshi Nakano, Hirofumi Sato	Graduate School of Engineering & Elements Strategy Initiative for Catalysts and Batteries, Kyoto University, Japan	A Variational and perturbative approach to calculate nonequilibrium free energies for studying electron transfer reactions
	Naoki Tsunoda, Yu Kumagai, Fumiyasu Oba	Institute of Innovative Research & MCES, Tokyo Institute of Technology, Japan	
	Toshikazu Fujimori, Masato Kobayashi, Tetsuya Taketsugu	Graduate School of Chemical Sciences and Engineering, Hokkaido University, Japan, JST PRESTO, Japan, Elements Strategy Initiative for Catalysts and Batteries, Kyoto University, Japan	Automatic error control in the divide and conquer quantum chemical calculations
12	M. Shishkin, H. Sato	Element Strategy Initiative for Catalysts and Batteries (ESICB) & Department of Molecular Engineering, Kyoto University, Japan	Analysis of redox and magnetic properties of transition metal compounds using DFT+U with magnetic exchange method
	Sho Imoto, Dominik Marx	Lehrstuhl für Theoretische Chemie, Ruhr- Universtät Bochum, Germany	Theoretical Vibrational Spectroscopy of Aqueous TMAO Solution under High Hydrostatic Pressure Conditions
14	Hiroki Uratani, Koichi Yamashita	Department of Chemical System Engineering, School of Engineering, The University of Tokyo, Japan, JST CREST, Japan	Inorganic Lattice Fluctuation Induces Charge Separation in Lead Iodide Perovskites: Theoretical Insights
	Koichiro Kato, Masahiko Machida, Motoyuki Shiga	Mizuho Information and Research Institute Inc., Japan, CCSE, Japan Atomic Energy Agency, Japan	Nuclear quantum effects of light and heavy water studied by all-electron first principles path integral simulations
16	Yasuhide Mochizuki, Hirofumi Akamatsu, Yu Kumagai, Fumiyasu Oba	Institute of Innovative Research & Materials Research Center for Element Strategy, Tokyo Institute of Technology, Japan	Peierls Instability of a Layered Perovskite La3Ni2O7 under Biaxial Compressive Strain via First-Principles Calculations
17	Yoshitaka Tateyama	Center for Green Research on Energy and Environmental Materials, National Institute of Materials Science (NIMS), Japan, JST-ACCEL, Japan, Department of Chemistry, Keio University, Japan	Termination effects on CO2 Reduction at Boron- doped Diamond electrodes: An Ab-initio Study
18	Shun Kikuchi, Shin Kiyohara, Teruyasu Mizoguchi	Institute of Industrial Science, The University of Tokyo, Japan	Making "Universal"-predictor to achieve high- throughput structure determination of oxcide grain boundaries
	Lucie Szabova, Matteo Farnesi Camellone, Fabio Negreiros Ribeiro, Yoshitaka Tateyama, Stefano Fabris	Center for Green Research on Energy and Environmental Materials, National Institute for Materials Science (NIMS), Japan, CNR-IOM DEMOCRITOS & SISSA, Italy	Molecular dynamics simulation of water dynamics at the water/solidinterface of ceria- supported Pt clusters

	T	One divists Only at EE/MO Mars and division and	!
20	Hong	Graduate School of EEWS, Korea Advanced Institute of Science and Technology, Korea, Department of Materials Science and Engineering, Hanbat National University, Korea	Understanding the Phase Stabilization Induced by Compositional Engineering of Organic- Inorganic Hybrid Perovskites
21	Miso Lee, Doyeon Kim, Kanghoon Yim, Seungwu Han	Department of Materials Science and Engineering, Seoul National University, Korea, Korean Institute of Energy Research, Korea	Non-oxide High-k Materials Screened by Automated Ab Initio Calculations
22	Masato Takenaka, Takeshi Iwasa, Tetsuya Taketsugu2	Graduate School of Chemical Sciences and Engineering, Hokkaido University, Japan	Theoretical Study on Near-field Infrared Absorption Spectroscopy using the Multipolar Hamiltonian
- 1	Shota lizuka, Yoshitaka Tateyama	Center for Green Research on Energy and Environmental Materials (GREEN), National Institute for Materials Science (NIMS), Japan	DFT-D3 implementation in CPMD program for investigation of organic electrolyte solution
24	M. H. N. Assadi, Y. Tateyama	Center for Green Research on Energy and Environmental Materials, National Institute for Materials Science (NIMS), Japan, Center for Computational Sciences, University of Tsukuba, Japan.	Oxygen Contribution to Redox in Ilmenite Type 4d Transition Metal Oxides; Applications in Na ion Batteries
	Makito Takagi, Satoshi Maeda Yoritaka Furukawa,	Graduate School of Chemical Sciences and Engineering, Hokkaido University, Japan	Exhaustive search for carbon crystal structures by artificial force induced reaction method Determining the densities of amorphous
26	Yu-ichiro Matsushita	The University of Tokyo, Japan	materials from first-principles calculations
27	Kyuhyun Lee, Wonseok Jeong, Dongheon Lee, Seungwu Han	Department of Materials Science and Engineering Seoul National University, Korea	Development of neural network interatomic potential and improve its reliability using training data analysis
	Randy Jalem,	JST-PRESTO, Japan, Global Research Center for Environment and Energy based on Nanomaterials Science & Center for Materials research by Information Integration (CMI^2), Research and Services Division of Materials Data and Integrated System (MaDIS), National Institute for Materials Science (NIMS), Japan	Informatics-aided DFT-based Solid Electrolyte Search for Rechargeable Battery Application
29	Takaki Tokiwa, Mitsuo Shoji, Naoki Shibata, Yoshiki Higuchi, Kunishige Kataoka, Yasuteru Shigeta, Fuminori Misaizu	Graduate School of Science, Tohoku University, Japan, Graduate School of Pure and Applied Sciences & Center for Computational Sciences, University of Tsukuba, Japan, Graduate School of Life Science, University of Hyogo, Japan	QM/MM Study on the T1 Cu site structures and the Redox Potentials in Bilirubin Oxidase (BOD)
	Shin Kiyohara, Tomohiro Miyata, Teruyasu Mizoguchi	Institute of Industrial Science, The University of Tokyo, Japan	Data driven approaches to reconstruct and interpret
	Ashu Choudhary, Keitaro Sodeyama, Yoshitaka Tateyama	Center for Green Research on Energy and Environmental Materials (GREEN) & Center for Materials Research by Information Integration (CMI2),, National Institute for Materials Science (NIMS), Japan	Car-Parrinello Molecular Dynamics (CPMD) Study on Electrolytes based on Grignard Reagents for Magnesium-lon Battery
32	Yu-ichiro Matsushita, Atsushi Oshiyama	The University of Tokyo, Japan	Ab initio calculations for interface/near-interface states at SiC/SiO2
33	Takuma Kobayashi, Yu-ichiro Matsushita, Tsunenobu Kimoto, Atsushi Oshiyama	Kyoto University, Japan, The University of Tokyo, Japan	Microscopic Mechanism of the Removal of Carbon-Associated Defects at a SiO2/SiC Interface due to Phosphorus Treatment
34	Yukihiro Okuno, Keisuke Ushirogata, Keitaro Sodeyama, Yoshitaka Tateyama	Research and Development Management Headquarters, FUJIFILM Corporation, Japan, Center for Green Research on Energy and Environmental Materials (GREEN), National Institute for Materials Science (NIMS), Japan,	Ab Initio Study on Adsorption Structure and Decomposition Reactions of Electrolytes on the LiNi0.5Mn1.5O4
35	Masato Kimatsuka, Yasuteru Shigeta, Mitsuo Shoji	Graduate School of Pure and Applied Sciences & Center for Computational Sciences, University of Tsukuba, Japan	Molecular Dynamics Studies on the effects of Anti-Freeze Protein (AFP) on ice growth
36	Atsushi Ishikawa, Keitaro Sodeyama, Yoshitaka Tateyama	JST PRESTO, Japan, Center for Green Research on Energy and Environmental Materials & Center for Materials Research by Information Integration (CMI2), National Institute for Materials Science (NIMS), Japan.	NO + CO Reaction on Rh Surface: DFT Investigation Combined with Microkinetic Analysis
38	Naoyuki Karasawa, Ayori Mitsutake, Hiroshi Takano	Department of Physics, Faculty of Science and Technology, Keio University, Japan	Relaxation Mode Analysis of an Erythropoietin and Its Receptors

	E Muttorion !!	1	:
39	F. Muttaqien, H. Oshima, Y. Hamamoto, K. Inagaki, I. Hamada, Y. Morikawa	Department of Precision Science and Technology, Graduate School of Engineering, Osaka University, Japan	Formate Decomposition on Cu(111): Importance of CO2 Bending Vibrational Mode
40	Sotaro Yamasaki, Mitsuo Shoji, Yasuteru Shigeta	Graduate School of Pure and Applied Science, University of Tsukuba, Japan	A QM/MM study on the oxygen-binding structures of alternative oxidase
41	M. Kayanuma, M. Shoji, Y. Aikawa, M. Umemura, Y. Shigeta	Center for Computational Sciences & Graduate School of Pure and Applied Sciences, University of Tsukuba, Japan	Surface Hopping Simulation on the Photodissociation of Methanol
42	Fumihiro Imoto, Jun- Ichi Iwata, Mauro Boero, Atsushi Oshiyama	Department of Applied Physics, The University of Tokyo, Japan, IPCMS, France	Initial Formation Mechanisms of Graphene on SiC(0001) Surfaces: Reaction Pathways and Free-Energy Barriers
43	Takuro Tsutsumi, Rina Yamamoto, Yu Harabuchi, Tetsuya Taketsugu	Graduate School of Chemical Sciences and Engineering, Hokkaido University., Japan	Spin-Flip TDDFT Study of Photoisomarization Dynamics of Monomethyl-stilbene
44	Ando, Emi Minamitani, Satoshi Watanabe	Department of Materials Engineering, The University of Tokyo, Japan, Research Center for Computational Design of Advanced Functional Materials (CD-FMat), National Institute of Advanced Industrial Science and Technology (AIST), Japan	Study of atomic diffusion in amorphous structures using neural network potentials
45	Yuta Yamamoto, Tomoharu Motoyama, Vladimir Sladek, Kozmon Stanislav, Shogo Nakano, Shohei Ito, Hiroaki Tokiwa	Department of Chemistry & Research Center of Smart Molecules, Rikkyo University, Japan, Graduate Division of Nutritional and Environmental Sciences, University of Shizuoka, Japan, Center for Glycomics, Slovak Academy of Sciences, Slovakia	Computational Study of Enzyme Reaction Mechanism in monomeric L-threonine 3- dehydrogenase
46	Mitsuki Togoshi, Satoru. S. Kano, Yasunari Zempo	Computer and Information Sciences, Hosei University, Japan	Maximum entropy method applied to TDDFT time-series data
	Masafuyu Matsui1, Shigeyoshi Sakaki	Element Strategy Initiative for Catalysts and Batteries (ESICB), Kyoto University, Japan	Embedded Cluster Model Incorporating Periodic Electrostatic Potential
48	Mitsuo Shoji, Hiroshi Isobe, Yasuteru Shigeta, Takahito Nakajima, Kizashi Yamaguchi	Center for Computational Sciences, University of Tsukuba, Japan, Faculty of Science, Okayama University, Japan, Advanced Institute for Computational Science (AICS), RIKEN, Japan	QM/MM study on a S4 -> S0 reaction of the Oxygen Evolving Complex in Photosystem II
49	Yun-Wen Chen,Jer-Lai Kuo	Institute of Atomic and Molecular Sciences, Academia Sinica, Taiwan	Ab Initio Study of Water Dissociation on GaN Surfaces
51	Minho Kim, Hyung Kyu Lim, Hyungjun Kim	Graduate School of Energy, Environment, Water and Sustainability (EEWS), Korea Advanced Institute of Science and Technology (KAIST), South Korea	Grid-based mean-field QM/MM study on the oxygen reduction reaction with classical explicit solvent model
52	Dongsun Yoo, Yong Youn, Hochul Song, Seungwu Han	Department of Materials Science and Engineering and Research Institute of Advanced Materials, Seoul National University, Korea	Molecular Orientation in Vapor-deposited Organic Semiconductors and Its Effect on Charge Transport
53	Taedaehyeong Eom, Hyungjun Kim	Graduate school of energy, environment, water, and sustainability (EEWS), Korea Advanced institute of Science and technology (KAIST), South Korea	Modified cluster expansion method for estimating CO2 reduction reaction efficiency
	Pham Tien Lam, Hiori Kino, Dam Hieu Chi	Japan Advanced Institute of Science and Technology, Japan, Elements Strategy Initiative Center for Magnetic Materials, National Institute for Materials Science, Japan	Deep Neural network for Learning Pairwise atomic forces
	Jun Haruyama, Minoru Otani	National Institute of Advanced Industrial Science and Technology (AIST), Japan	Electrochemical Reaction Simulations at Metal/Water Interfaces Using Density Functional + Implicit Classical Solvation Theory
	So Fujikake, Emi Minamitani, Satoshi Watanabe	Department of Materials Engineering, The University of Tokyo, Japan	Thermal Characteristics of Si-Ge Alloy by Machine-Learning Potential
5/	Minoru Otani	and Technology (AIST), Japan	Hybrid DFT/RISM simulation of electrochemical reactions at electrode/electrolyte interface
58	Aditya Wibawa Sakti, Yoshifumi Nishimura, Chien-Pin Chou, Hiromi Nakai	Department of Chemistry and Biochemistry & Research Institute for Science and Engineering, Waseda University, Japan, JST CREST, Japan, Elements Strategy Initiative for Catalysts and Batteries, Kyoto University, Japan	Fast excess proton diffusion in ice phases: A molecular dynamics study at approximate density-functional level

	Jl. Iwata, Y. Shigeta, K. Koizumi, M. Boero, A. Oshiyama1	Department of Applied Physics, The university of Tokyo, Japan, Center for Computational Sciences, University of Tsukuba, Japan, Institute for Molecular Science, Japan, IPCMS, France	A Real-Space Car-Parrinello Molecular Dynamics (RS-CPMD) simulation code: implementation for massively-parallel and GPGPU supercomputers
61	Toshiharu Ohnuma, Takeshi Kobayashi	Central Research Institute of Electric Power Industry (CRIEPI), Japan	Na ion diffusion in inorganic solid electrolyte Na4Mg3(PO4)2P2O7
	Yoshiki ISHII, Ryosuke ISHIZUKA, Nobuyuki MATUBAYASI	Department of Chemical Engineering, Osaka University, Japan	Atomic Charge Distribution for the Force-Field Development of Ionic Liquids
63	Tsuyoshi Miyazaki, David R. Bowler	International Center for Materials Nanoarchitectonics (WPI-MANA), National Institute for Materials Science (NIMS), Department of Physics and Astronomy & London Centre for Nanotechnology, University College London (UCL), UK	Million-atom DFT simulations with the CONQUEST code
64	Duong-Nguyen NGUYEN, Hieu-Chi DAM, Tien-Lam PHAM	Japan Advanced Institute of Science and Technology, Japan, Elements Strategy Initiative Center for Magnetic Materials, National Institute for Materials, Japan, JST PRESTO, Japan	Regression-based feature network construction: unveil the actuation mechanism of Curie temperature