Koichi Ohno

List of Publications by Year
in descending order

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267	7,133	71102	85541
papers	citations	41 h-index	71 g-index

270	270	270	4019
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High performance global exploration of isomers and isomerization channels on quantum chemical potential energy surface of <scp>H₅C₂NO₂</scp>. Journal of Computational Chemistry, 2021, 42, 192-204.	3.3	5
2	Quantum Chemical Exploration of Intermolecular Reactions of Acetylene. Journal of Computational Chemistry, 2020, 41, 687-697.	3.3	2
3	Migrations and Catalytic Action of Water Molecules in the Ionized Formamideâ€“(H2O)2Cluster. Journal of Physical Chemistry A, 2020, 124, 2802-2807.	2.5	0
4	Conformation Search of Glycine by Applying the Scaled Hypersphere Search Method to Discrete Atoms in the Molecule. Chemistry Letters, 2020, 49, 826-827.	1.3	1
5	Searching the crystal structure of silicon using the generalized scaled hypersphere search method with the rapid nuclear motion approximation. Japanese Journal of Applied Physics, 2020, 59, 035503.	1.5	3
6	Quantum chemical exploration of polymerized forms of polycyclic aromatic hydrocarbons: D6h tetramer and polymer of coronene. Chemical Physics Letters, 2020, 747, 137366.	2.6	3
7	Crystal Structure Exploration of Boron Nitride Polymorphs Using Anharmonic Downward Distortion Following Method with Potential Energy Surface Modified by the Inverse of Lattice Volume. Chemistry Letters, 2019, 48, 1288-1291.	1.3	4
8	Geometry optimizations and evaluation of electronic properties of prism carbon tubes by density functional theory using plane waves. Chemical Physics Letters, 2019, 718, 32-37.	2.6	1
9	Quantum chemical exploration of new Ï€-electron systems: Capsule-formed dimers of polycyclic aromatic hydrocarbons. Chemical Physics Letters, 2019, 725, 59-65.	2.6	5
10	The Rise of Catalyst Informatics: Towards Catalyst Genomics. ChemCatChem, 2019, 11, 1146-1152.	3.7	72
11	Quantum chemical exploration of dimeric forms of polycyclic aromatic hydrocarbons, naphthalene, perylene, and coronene. Chemical Physics Letters, 2019, 716, 147-154.	2.6	6
12	Exploration of Carbon Allotropes with Fourâ€membered Ring Structures on Quantum Chemical Potential Energy Surfaces. Journal of Computational Chemistry, 2019, 40, 14-28.	3.3	8
13	Core Electron Topologies in Chemical Compounds: Case Study of Carbon versus Silicon. Angewandte Chemie, 2018, 130, 7130-7136.	2.0	6
14	Core Electron Topologies in Chemical Compounds: Case Study of Carbon versus Silicon. Angewandte Chemie - International Edition, 2018, 57, 7012-7018.	13.8	6
15	Frontispiz: Core Electron Topologies in Chemical Compounds: Case Study of Carbon versus Silicon. Angewandte Chemie, 2018, 130, .	2.0	0
16	Quantum chemical exploration of conversion pathways and isomeric structures of C16 molecules. Chemical Physics Letters, 2018, 711, 60-65.	2.6	3
17	Quantum chemical exploration of formaldehyde clusters (H₂CO)_n (nâ€‰=â€‰2â€“4). Journal of Computational Chemistry, 2018, 39, 1498-1507.	3.3	11
18	Frontispiece: Core Electron Topologies in Chemical Compounds: Case Study of Carbon versus Silicon. Angewandte Chemie - International Edition, 2018, 57, .	13.8	0

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19	Limited Search Characteristics of the Scaled Hypersphere Search Method: A Systematic Case Study for Isomers of BCNOS. Bulletin of the Chemical Society of Japan, 2018, 91, 1625-1629.	3.2	0
20	Global exploration of isomers and isomerization channels on the quantum chemical potential energy surface of H₃CNO₃. Journal of Computational Chemistry, 2017, 38, 669-687.	3.3	15
21	Defect-Induced Vibration Modes of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Ar</mml:mi></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mrow> -Irradiated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mrow> Physical Review Applied, 2017, 7, ...	3.8	58
22	Potential Energy Surface-Based Automatic Deduction of Conformational Transition Networks and Its Application on Quantum Mechanical Landscapes of<scp>d</scp>-Glucose Conformers. Journal of Chemical Theory and Computation, 2016, 12, 5293-5308.	5.3	20
23	An Automated Exploration of Hexagonal Boron Nitride Structures by Using Quantum Chemical Calculations. Chemistry Letters, 2016, 45, 333-335.	1.3	2
24	Reply to the â€˜Comment on â€œTheoretical studies on a carbonaceous molecular bearing: association thermodynamics and dual-mode rolling dynamicsâ€â€™ by E. M. Cabaleiro-Lago, J. Rodriguez-Otero and A. Gil, Chem. Sci., 2016, 7, DOI: 10.1039/C5SC04676A. Chemical Science, 2016, 7, 2929-2932.	7.4	17
25	Study of Potential Energy Surfaces towards Global Reaction Route Mapping. Chemical Record, 2016, 16, 2198-2218.	5.8	9
26	An automated efficient conformation search of l-serine by the scaled hypersphere search method. Chemical Physics Letters, 2016, 652, 209-215.	2.6	11
27	A Prism Carbon Molecule C20. Chemistry Letters, 2015, 44, 712-714.	1.3	12
28	Isomers of Benzene on Its Global Network of Reaction Pathways. Bulletin of the Chemical Society of Japan, 2015, 88, 1284-1290.	3.2	9
29	"Maizo"-chemistry Project: toward Molecular- and Reaction Discovery from Quantum Mechanical Global Reaction Route Mappings. Journal of Computer Chemistry Japan, 2015, 14, 77-79.	0.1	6
30	Prism-C2n carbon dimer, trimer, and nano-sheets: A quantum chemical study. Chemical Physics Letters, 2015, 633, 120-125.	2.6	14
31	Theoretical studies on a carbonaceous molecular bearing: association thermodynamics and dual-mode rolling dynamics. Chemical Science, 2015, 6, 2746-2753.	7.4	56
32	From Roaming Atoms to Hopping Surfaces: Mapping Out Global Reaction Routes in Photochemistry. Journal of the American Chemical Society, 2015, 137, 3433-3445.	13.7	91
33	Wavy carbon: A new series of carbon structures explored by quantum chemical calculations. Chemical Physics Letters, 2015, 639, 178-182.	2.6	12
34	A quantum chemical study of novel carbon structures: Prism carbon tubes. Chemical Physics Letters, 2015, 635, 180-184.	2.6	11
35	Automated exploration of isomerization and dissociation pathways of ethylene sulfide cation by the global reaction route mapping method. Chemical Physics Letters, 2015, 641, 97-103.	2.6	5
36	Theoretical Mechanistic Studies on Methyltrioxorhenium-Catalyzed Olefin Cyclopropanation: Stepwise Transfer of a Terminal Methylene Group. Organometallics, 2014, 33, 3840-3846.	2.3	7

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37	Isolable 2,3â€Disilaâ€1,3â€butadiene from a Double Silaâ€Peterson Reaction. Chemistry - A European Journal, 2014, 20, 9424-9430.	3.3	18
38	Anharmonic Downward Distortion Following for Automated Exploration of Quantum Chemical Potential Energy Surfaces. Bulletin of the Chemical Society of Japan, 2014, 87, 1315-1334.	3.2	41
39	Exploration of Isomers of Benzene by GRRM/SCC-DFTB. Chemistry Letters, 2014, 43, 702-704.	1.3	11
40	Direct Pathway for Waterâ€“Gas Shift Reaction in Gas Phase. Chemistry Letters, 2014, 43, 193-195.	1.3	6
41	Systematic exploration of the mechanism of chemical reactions: the global reaction route mapping (GRRM) strategy using the ADDF and AFIR methods. Physical Chemistry Chemical Physics, 2013, 15, 3683.	2.8	456
42	Two-Dimensional Penning Ionization Electron Spectroscopy of Open-Shell Metallocenes: Outer Valence Ionic States of Vanadocene and Nickelocene. Journal of Physical Chemistry A, 2013, 117, 3025-3033.	2.5	3
43	Anthryl-Substituted 3-Silylene-2-silaaziridine Obtained by Isomerization of Disilacyclopropanimine: An Exocyclic Silene Showing a Distinct Intramolecular Charge Transfer Transition. Journal of the American Chemical Society, 2013, 135, 10606-10609.	13.7	30
44	Exploring Multiple Potential Energy Surfaces: Photochemistry of Small Carbonyl Compounds. Advances in Physical Chemistry, 2012, 2012, 1-13.	2.0	29
45	Systematic Exploration of Chemical Structures and Reaction Pathways on the Quantum Chemical Potential Energy Surface by Means of the Anharmonic Downward Distortion Following Method. Progress in Theoretical Chemistry and Physics, 2012, , 381-394.	0.2	2
46	Anionic Polymerization Mechanism of Acrylonitrile Trimer Anions: Key Branching Point between Cyclization and Chain Propagation. Journal of Physical Chemistry A, 2012, 116, 7937-7942.	2.5	5
47	Automated Exploration of Chemical Reaction Pathways. Molecular Science, 2011, 5, A0042-A0042.	0.2	2
48	Ab initio anharmonic calculations of vibrational frequencies of benzene by means of efficient construction of potential energy functions. Chemical Physics Letters, 2011, 503, 322-326.	2.6	12
49	Two-dimensional Penning ionization electron spectroscopy of CH3I and CH2I2by He*(23S) metastable atoms. Journal of Physics: Conference Series, 2010, 235, 012014.	0.4	0
50	A systematic study on the RuHClâ€“BINAP-catalyzed asymmetric hydrogenation mechanism by the global reaction route mapping methodâ˜†. Journal of Molecular Catalysis A, 2010, 324, 133-140.	4.8	14
51	Theoretical Investigation of the Reaction Pathway of O Atom on Si(001)-(2 Ã— 1). Journal of Physical Chemistry C, 2010, 114, 15671-15677.	3.1	11
52	Long-Range Migration of a Water Molecule To Catalyze a Tautomerization in Photoionization of the Hydrated Formamide Cluster. Journal of Physical Chemistry A, 2010, 114, 11896-11899.	2.5	21
53	Adsorption of Small Molecules with the Hydroxyl Group on Sodium Halide Cluster Ions. Journal of Physical Chemistry A, 2010, 114, 1432-1436.	2.5	6
54	A Theoretical Study on the Photodissociation of Acetone: Insight into the Slow Intersystem Crossing and Exploration of Nonadiabatic Pathways to the Ground State. Journal of Physical Chemistry Letters, 2010, 1, 1841-1845.	4.6	58

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55	Valence ionized states of iron pentacarbonyl and Î·5-cyclopentadienyl cobaltâ€‰dicarbonylâ€‰studiedâ€‰byâ€‰symmetry-adaptedâ€‰cluster-configuration interaction calculation and collision-energy resolved Penning ionization electron spectroscopy. Journal of Chemical Physics, 2010, 132, 084302.	3.0	11
56	Synthesis and structure of stable base-free dialkylsilanimines. New Journal of Chemistry, 2010, 34, 1637.	2.8	55
57	Updated Branching Plane for Finding Conical Intersections without Coupling Derivative Vectors. Journal of Chemical Theory and Computation, 2010, 6, 1538-1545.	5.3	137
58	Systematic Search for Isomerization Pathways of Hexasilabenzene for Finding Its Kinetic Stability. Organometallics, 2009, 28, 2218-2224.	2.3	56
59	Penning ionization electron spectra of pyrene, chrysene, and coronene in collision with metastable He(2â€‰3S) atoms in the gas phase. Journal of Chemical Physics, 2009, 130, 024306.	3.0	8
60	Automated exploration of stable isomers of H⁺(H₂O)_n (n = 5â€“7) via ab initio calculations: An application of the anharmonic downward distortion following algorithm. Journal of Computational Chemistry, 2009, 30, 952-961.	3.3	44
61	Water-catalyzed gas-phase reaction of formic acid with hydroxyl radical: A computational investigation. Chemical Physics Letters, 2009, 469, 57-61.	2.6	64
62	Stereodynamics and Outer Valence Ionic States of Ferrocene in Collisional Ionization with a He*(2³S) Metastable Atom by Two-Dimensional Penning Ionization Electron Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 521-526.	2.5	4
63	Collision-Energy-Resolved Penning Ionization Electron Spectroscopy of Glycine with He(2³S) Metastable Atoms: Conformational Isomers in Collisional Ionization. Journal of Physical Chemistry A, 2009, 113, 10779-10786.	2.5	5
64	An Automated and Systematic Transition Structure Explorer in Large Flexible Molecular Systems Based on Combined Global Reaction Route Mapping and Microiteration Methods. Journal of Chemical Theory and Computation, 2009, 5, 2734-2743.	5.3	60
65	Automated Global Mapping of Minimal Energy Points on Seams of Crossing by the Anharmonic Downward Distortion Following Method: A Case Study of H₂CO. Journal of Physical Chemistry A, 2009, 113, 1704-1710.	2.5	92
66	Anisotropic interactions and valence ionic states of dibenzenechromium observed by collision-energy-resolved penning ionization electron spectroscopy with He*(2³S) metastable atoms. Journal of Physics: Conference Series, 2009, 185, 012020.	0.4	1
67	Phonon dispersion and vibronic coupling in carbon nanoribbons. Journal of Physics: Conference Series, 2009, 185, 012055.	0.4	1
68	Outer Valence Ionic States of Cr(CO)₆and (Î·⁵-C₅H₅)Co(CO)₂Observed by Two-Dimensional Penning Ionization Electron Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 14559-14564.	2.5	5
69	Decomposition of alkyl hydroperoxide by a copper(I) complex: insights from density functional theory. Tetrahedron Letters, 2008, 49, 6841-6845.	1.4	8
70	A new global reaction route map on the potential energy surface of H2CO with unrestricted level. Chemical Physics Letters, 2008, 460, 55-58.	2.6	32
71	Microsolvation of Hydrogen Sulfide:â€‰Exploration of H₂SÂ·(H₂O)_n and SH⁻Â·H₃O⁺Â·(H₂O)_n₋₁ (n = 5â¯7) Cluster Structures on Ab Initio Potential Energy Surfaces by the Scaled Hypersphere Search Method. Journal of Physical Chemistry A, 2008, 112, 2962-2968.	2.5	31
72	Conformation-Specific Raman Bands and Electronic Conjugation in Substituted Thioanisoles. Journal of Physical Chemistry A, 2008, 112, 12220-12227.	2.5	7

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73	Lowest Transition State for the Chirality-Determining Step in Ru((R)-BINAP)-Catalyzed Asymmetric Hydrogenation of Methyl-3-Oxobutanoate. Journal of the American Chemical Society, 2008, 130, 17228-17229.	13.7	48
74	DFT Study on Isomerization and Decomposition of Cuprous Dialkyldithiophosphate and Its Reaction with Alkylperoxy Radical. Journal of Physical Chemistry A, 2008, 112, 5720-5726.	2.5	12
75	Finding important anharmonic terms in the sixth-order potential energy function by the scaled hypersphere search method: An application to vibrational analyses of molecules and clusters. Journal of Chemical Physics, 2008, 128, 144111.	3.0	31
76	Intramolecular vibrational frequencies of water clusters (H2O)nâ€ˆ(n=2â€“5): Anharmonic analyses using potential functions based on the scaled hypersphere search method. Journal of Chemical Physics, 2008, 129, 074315.	3.0	35
77	Phonon dispersions of hydrogenated and dehydrogenated carbon nanoribbons. Physical Review B, 2008, 77, .	3.2	54
78	Molecular vibrations of [n]oligoacenes (n=2â˜5 and 10) and phonon dispersion relations of polyacene. Journal of Chemical Physics, 2007, 126, 064904.	3.0	32
79	Automated Exploration of Adsorption Structures of an Organic Molecule on RuH₂â˜BINAP by the ONIOM Method and the Scaled Hypersphere Search Method. Journal of Physical Chemistry A, 2007, 111, 13168-13171.	2.5	25
80	Quantum Chemistry Study of H⁺(H₂O)₈:â€‰ A Global Search for Its Isomers by the Scaled Hypersphere Search Method, and Its Thermal Behavior. Journal of Physical Chemistry A, 2007, 111, 10732-10737.	2.5	65
81	Structures of Water Octamers (H2O)8:â€‰ Exploration on Ab Initio Potential Energy Surfaces by the Scaled Hypersphere Search Method. Journal of Physical Chemistry A, 2007, 111, 4527-4534.	2.5	118
82	Infrared Photodissociation Spectroscopy of Al+(CH3OH)n(n= 1â˜4). Journal of Physical Chemistry A, 2007, 111, 5995-6002.	2.5	7
83	Insight into Global Reaction Mechanism of [C2, H4, O] System from ab Initio Calculations by the Scaled Hypersphere Search Method. Journal of Physical Chemistry A, 2007, 111, 5099-5110.	2.5	48
84	Determination of outer molecular orbitals by collisional ionization experiments and comparison with Hartree-Fock, Kohn-Sham, and Dyson orbitals. Physical Review A, 2007, 75, .	2.5	20
85	Observation of anisotropic interactions between metastable atoms and target molecules by two-dimensional collisional ionization electron spectroscopy. International Reviews in Physical Chemistry, 2007, 26, 93-138.	2.3	20
86	Computational Study of Titanocene-Catalyzed Dehydrocoupling of the Adduct Me2NHÂ·BH3:Â An Intramolecular, Stepwise Mechanism. Organometallics, 2007, 26, 3597-3600.	2.3	106
87	Global reaction route mapping on potential energy surfaces of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" display="inline" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>C</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/. Chemical Physics Letters, 2007, 447, 21-26.	2.6	32
88	Large Raman-scattering activities for the low-frequency modes of substituted benzenes: Induced polarizability and stereo-specific ring-substituent interactions. Journal of Chemical Physics, 2006, 124, 104301.	3.0	24
89	Global Reaction Route Mapping on Potential Energy Surfaces of Formaldehyde, Formic Acid, and Their Metal-Substituted Analogues. Journal of Physical Chemistry A, 2006, 110, 8933-8941.	2.5	270
90	Anisotropic Interaction and Stereoreactivity in a Chemi-Ionization Process of OCS by Collision with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 2006, 110, 11010-11017.	2.5	4

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91	Collision-Energy-Resolved Penning Ionization Electron Spectroscopy of Phenylacetylene and Diphenylacetylene by Collision with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 2006, 110, 1783-1790.	2.5	7
92	Collision-Energy-Resolved Penning Ionization Electron Spectroscopy of Thiazole and Benzothiazole:Â Study of Ionic States and Anisotropic Interactions between a Metastable He*(23S) Atom and Hetero Cyclic Compounds. Journal of Physical Chemistry A, 2006, 110, 7097-7104.	2.5	10
93	Spectroscopic and vibronic properties of dehydrogenated polycyclic aromatic hydrocarbons and honeycomb carbon clusters. AIP Conference Proceedings, 2006, , .	0.4	0
94	Global Mapping of Small Carbon Clusters Using the Scaled Hypersphere Search Method. AIP Conference Proceedings, 2006, , .	0.4	3
95	Dâ€“L Conversion Pathways between Optical Isomers of Alanine: Applications of the Scaled Hypersphere Search Method to Explore Unknown Reaction Routes in a Chiral System. Chemistry Letters, 2006, 35, 492-493.	1.3	18
96	Global analysis of reaction pathways on the potential energy surface of cyanoacetylene by the scaled hypersphere search method. Chemical Physics Letters, 2006, 418, 208-216.	2.6	32
97	Collision-energy-resolved angular distribution of Penning electrons for N2â€“Heâˆ—(23S). Chemical Physics Letters, 2006, 426, 43-48.	2.6	2
98	Aromaticity of Giant Polycyclic Aromatic Hydrocarbons with Hollow Sites: Super Ring Currents in Super-Rings. Chemistry - A European Journal, 2006, 12, 5757-5769.	3.3	47
99	Photodissociation of Mg+â€“XCH3 (X=F, Cl, Br, and I) complexes. I. Electronic spectra and dissociation pathways. Journal of Chemical Physics, 2006, 125, 094309.	3.0	15
100	Photodissociation of Mg+â€“XCH3 (X=F, Cl, Br, and I) complexes. II. Fragment angular and energy distributions. Journal of Chemical Physics, 2006, 125, 094310.	3.0	10
101	Probing anisotropic interaction potentials of unsaturated hydrocarbons with He*(2S3) metastable atom: Attractive-site preference of Ïƒ-direction in C2H2 and Ï€-direction in C2H4. Journal of Chemical Physics, 2006, 124, 104308.	3.0	6
102	Conversion pathways between a fullerene and a ring among C20 clusters by a sphere contracting walk method: Remarkable difference in local potential energy landscapes around the fullerene and the ring. Journal of Chemical Physics, 2006, 124, 174306.	3.0	35
103	Energies of Low-lying Excited States and Reactivity of Giant Polycyclic Aromatic Hydrocarbons with a Hole Inside. Chemistry Letters, 2005, 34, 506-507.	1.3	7
104	Two-dimensional Penning ionization electron spectroscopic study on outer characteristics of molecules. Journal of Electron Spectroscopy and Related Phenomena, 2005, 142, 283-293.	1.7	6
105	A new approach for finding a transition state connecting a reactant and a product without initial guess: applications of the scaled hypersphere search method to isomerization reactions of HCN, (H2O)2, and alanine dipeptide. Chemical Physics Letters, 2005, 404, 95-99.	2.6	66
106	A scaled hypersphere interpolation technique for efficient construction of multidimensional potential energy surfaces. Chemical Physics Letters, 2005, 414, 265-270.	2.6	25
107	Development of a cooled He*(2S3) beam source for measurements of state-resolved collision energy dependence of Penning ionization cross sections: Evidence for a stereospecific attractive well around methyl group in CH3CN. Journal of Chemical Physics, 2005, 123, 194308.	3.0	9
108	Penning ionization electron spectroscopy of C6H6 by collision with He*(2â€Š3S) metastable atoms and classical trajectory calculations: Optimization ofab initiomodel potentials. Journal of Chemical Physics, 2005, 122, 044303.	3.0	15

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109	ADSORPTION REACTION OF POLAR ORGANIC MOLECULES ON ${m Si}^+_n$ CLUSTER IONS. International Journal of Modern Physics B, 2005, 19, 2502-2507.	2.0	0
110	Global Investigation on the Potential Energy Surface of CH3CN:â€‰ Application of the Scaled Hypersphere Search Method. Journal of Physical Chemistry A, 2005, 109, 7319-7328.	2.5	57
111	Probing the Shape and Stereochemistry of Molecular Orbitals in Locally Flexible Aromatic Chains:â€‰ A Penning Ionization Electron Spectroscopy and Green's Function Study of the Electronic Structure of Biphenyl. Journal of Physical Chemistry A, 2005, 109, 10535-10546.	2.5	28
112	Collision-Energy-Resolved Penning Ionization Electron Spectroscopy of HCOOH, CH3COOH, and HCOOCH3by Collision with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 2005, 109, 4721-4727.	2.5	6
113	Size-dependent structures of NanInâ^'1+ cluster ions with a methanol adsorbate: A combined study by photodissociation spectroscopy and density-functional theory calculation. Journal of Chemical Physics, 2005, 123, 161101.	3.0	4
114	Global Mapping of Equilibrium and Transition Structures on Potential Energy Surfaces by the Scaled Hypersphere Search Method:â€‰ Applications to ab Initio Surfaces of Formaldehyde and Propyne Molecules. Journal of Physical Chemistry A, 2005, 109, 5742-5753.	2.5	310
115	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2005, 48, 403-408.	0.2	0
116	EXCITED STATE CHARGE TRANSFER AND DISSOCIATION OF Mg⁺-CH₃I COMPLEX. , 2005, , .		0
117	INTRACLUSTER ANIONIC POLYMERIZATION INDUCED BY ELECTRON TRANSFER FROM ALKALI METAL ATOM TO UNSATURATED HYDROCARBON MOLECULES. , 2005, , .		0
118	Collision-energy-resolved Penning ionization electron spectroscopy of bromomethanes (CH3Br,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 3074-3086.	3.0	8
119	Multiple Photofragmentation Pathways with Different Recoil Anisotropy from a Metal-Ionâ€“Ligand Complex. Physical Review Letters, 2004, 93, 193401.	7.8	11
120	Collision-energy-resolved Penning ionization electron spectroscopy ofp-benzoquinone: Study of electronic structure and anisotropic interaction with He*(2â€Š3S) metastable atoms. Journal of Chemical Physics, 2004, 120, 11062-11070.	3.0	9
121	Novel series of giant polycyclic aromatic hydrocarbons: electronic structure and aromaticity. Chemical Physics Letters, 2004, 385, 512-518.	2.6	23
122	Intracluster cyclization reaction producing a benzene derivative: photoionization mass spectrometric study of alkali metalâ€“methyl propiolate clusters. International Journal of Mass Spectrometry, 2004, 232, 41-50.	1.5	2
123	Penning ionization electron spectroscopy of (Î·6-C6H6)Cr(CO)3 and (Î·5-C5H5)Mn(CO)3. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 313-317.	1.7	4
124	Collision-energy-resolved Penning ionization electron spectroscopy of substituted ethylenes. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 319-324.	1.7	1
125	A crossed-molecular beam study on collisional ionization dynamics of acetonitrile and benzene molecules with He*(23S) metastable atoms. Chemical Physics Letters, 2004, 384, 73-79.	2.6	9
126	A scaled hypersphere search method for the topography of reaction pathways on the potential energy surface. Chemical Physics Letters, 2004, 384, 277-282.	2.6	360

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127	Photoelectron spectroscopy and density functional theory calculation of Nan(CS2)â˜ cluster negative ions for n=1 and 2. Chemical Physics Letters, 2004, 389, 241-246.	2.6	2
128	Determination of outer shape of molecular orbitals based on two-dimensional Penning ionization electron spectroscopy for N2 and CO by He*23S. Chemical Physics Letters, 2004, 391, 366-373.	2.6	3
129	Low velocity experiments for collision energy dependence of partial ionization cross-sections of C2H2 with He*(23S) metastable atoms. Chemical Physics Letters, 2004, 397, 242-246.	2.6	7
130	No activation barrier synthetic route of glycine from simple molecules (NH3, CH2, and CO2) via carboxylation of ammonium ylide: a theoretical study by the scaled hypersphere search method. Chemical Physics Letters, 2004, 398, 240-244.	2.6	50
131	An overlap expansion method for improvingab initiomodel potentials: Anisotropic intermolecular potentials of N2, CO, and C2H2 with He*(2â€Š3S). Journal of Chemical Physics, 2004, 120, 781-790.	3.0	19
132	Photoionization Efficiency Curve Measurements of Alkali Metal Atomâ˜Methyl Propiolate Clusters:Â Observation of Intracluster Cyclotrimerization Products. Journal of Physical Chemistry A, 2004, 108, 5944-5949.	2.5	2
133	Two-Dimensional Penning Ionization Electron Spectroscopy of 2-Aminoethanol and Related Molecules by He*(23S) Atoms:â€‰ Influence of Intramolecular Hydrogen Bonding on Collisional Ionization. Journal of Physical Chemistry A, 2004, 108, 4211-4218.	2.5	12
134	Exterior Characteristics of Molecular Orbitals and Molecular Surfaces as Studied by Atomic Probes. Bulletin of the Chemical Society of Japan, 2004, 77, 887-908.	3.2	32
135	Ab initio Studies on Synthetic Routes of Glycine from Simple Molecules via Ammonolysis of Acetolactone: Applications of the Scaled Hypersphere Search Method. Chemistry Letters, 2004, 33, 1372-1373.	1.3	26
136	Collision-energy-resolved Penning ionization electron spectroscopy of OCS with He*(23S) metastable atoms. Chemical Physics Letters, 2003, 379, 332-339.	2.6	14
137	A new method for constructing multidimensional potential energy surfaces by a polar coordinate interpolation technique. Chemical Physics Letters, 2003, 381, 177-186.	2.6	30
138	Photodissociation spectroscopy of MgCH3I+: dissociation processes via charge transfer and/or chemical bond rupture. Chemical Physics Letters, 2003, 382, 283-290.	2.6	9
139	Intramolecular Hydrogen Bonding in 2-Chloroethanol and 2-Bromoethanol and Anisotropic Interactions with He*(23S) Metastable Atoms:â€‰ Two-Dimensional Penning Ionization Electron Spectroscopy Combined with Quantum Chemistry Calculations. Journal of Physical Chemistry A, 2003, 107, 53-62.	2.5	11
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